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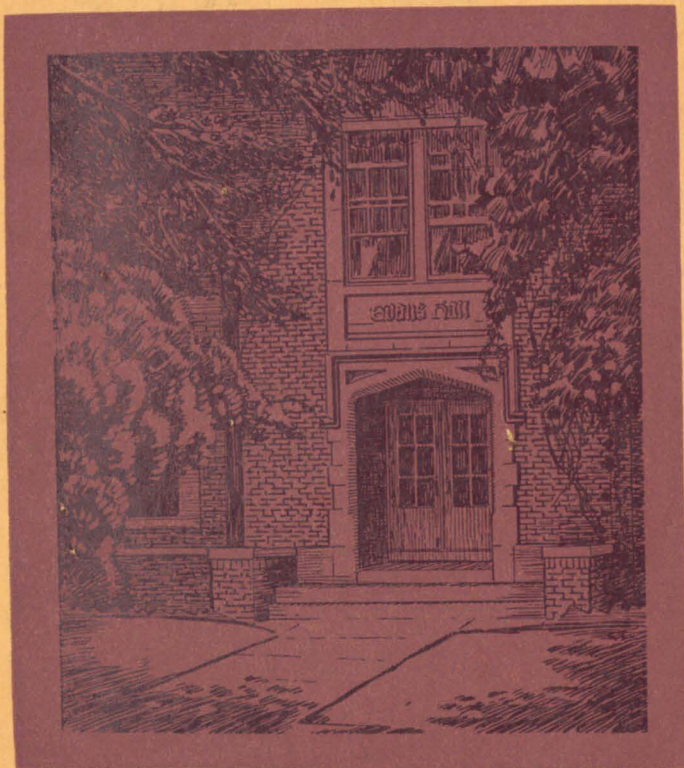
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**BULLETIN OF
PRAIRIE VIEW AGRICULTURAL AND
MECHANICAL COLLEGE OF TEXAS
1952-53**

UNDERGRADUATE AND GRADUATE

1876

The Seventy-Sixth Year

1952

1952

CALENDAR

1952

JANUARY

S	M	T	W	T	F	S
.....	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31

FEBRUARY

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MARCH

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APRIL

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MAY

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JUNE

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JULY

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AUGUST

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SEPTEMBER

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OCTOBER

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NOVEMBER

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DECEMBER

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1953

CALENDAR

1953

JANUARY

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FEBRUARY

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MARCH

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APRIL

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JULY

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AUGUST

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SEPTEMBER

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OCTOBER

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NOVEMBER

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DECEMBER

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BULLETIN OF PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS

Vol. 43

AUGUST 1952

No. 4



SEVENTY-THIRD CATALOG EDITION
1951-52

WITH ANNOUNCEMENTS FOR
1952-53

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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 Colleges and Secondary Schools, the American Association of Colleges for Teacher Education, and the Association of Texas Colleges. Also it is approved by the American College of Surgeons.

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THE COLLEGE CALENDARS

SUMMER SESSION — 1952

June 2	Registration, First Term
June 3	Classes Begin
June 7	Registration Closes
July 12	First Term Closes
July 14	Registration, Second Term
July 15	Classes Begin
July 19	Registration Closes
August 23	Second Term Closes

REGULAR SESSION — 1952-53

September 8-13	Faculty Orientation
September 15-18	Orientation and Registration
September 18	Classes Begin
September 24	Registration Closes
November 12-13	Mid-semester Examinations
November 27	Thanksgiving Holiday
December 15-20	Pre-Registration
December 20	Christmas Holidays Begin

1953

January 2	Classes Resume
January 19-23	Final Examinations
January 25	First Semester Ends
January 26	Second Semester, Classes Begin
February 1	Registration Closes
March 24-25	Mid-semester Examinations
April 21	San Jacinto Day
May 18-22	Final Examinations
May 23	Second Semester Closes

SUMMER SESSION — 1953

June 1	Registration, First Term
June 2	Classes Begin
June 6	Registration Closes
July 12	First Term Closes
July 13	Registration, Second Term
July 14	Classes Begin
August 22	Second Term Closes

THE TEXAS AGRICULTURAL AND MECHANICAL COLLEGE SYSTEM

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

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

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 RETA L. BLAND, M.S., *Dean of Women*
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 BERNICE B. BROOKS, B.A., *Record, Research and Transcript Clerk*
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 LA VAUGHN C. MOSLEY, B.S., *Cashier*
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 SAMUEL C. USHER, B.S., *Vouchers and Orders Clerk*
 EVELYN L. JEFFERSON, B.A., *Clerk, Tax, Retirement, etc.*
 J. B. DEBOSE, B.A., *Assistant Bookkeeper*
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 OLLIE C. POLK, B.A., *Inventory Clerk and Checker*
 FANNIE BELLE WASHINGTON, *Secretary*

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 MRS. B. E. JOHNSON, M.S., *Associate Director of Student Life*
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 HARRY E. FULLER, *Dean of Men*
 MARCELLUS F. HARMON, B.A., *Assistant Dean of Men*
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 MRS. MARGUERITE RANDALL, *Secretary to Deans*
 JAMES P. BROWN, *Veteran's Counselor*
 CLARENCE G. BARRENS, *Assistant Military Property Custodian*

RESIDENCE HALLS

MRS. ALBERTA B. BRADY	Lucky Hall
MRS. ADA V. GIBSON, M.S.	Evans Hall
MRS. A. M. JOHNSON,	Anderson Hall
MRS. C. B. KNIGHTON, B.S.	Crawford Hall
MRS. NETTIE LEWIS	Suarez Hall
MRS. WESTERFIELD KIMBLE, B.A.	Blackshear Hall

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ORESTES J. BAKER, M.L.S., *Librarian*
 LENORA Y. BENSON, B.S., *Circulation Assistant*
 MRS. MABLE F. BRADLEY, M.S., *Circulation Associate*
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 THELMA M. POWELL, B.S. in L.S., *Serials Assistant*
 MRS. BENNIE L. SHIELDS, B.S. in L.S., *Instructor in Library-Service Education*
 MRS. WILMA M. STEARNS, B.S., *Reference Assistant*
 MRS. JIMMIZINE B. TAYLOR, B.S. in L.S., *Circulation Librarian*

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CHARLES F. CALLOWAY, M.D., *Director of Division of Health*
 GENERAL E. HAMILTON, D.D.S., *Resident Dentist*
 EMORY R. OWENS, M.D., *Resident Physician*
 DAISY B. PHILLIPS, R.N., *Nurse Administrator*
 MRS. ORA L. BRACY, R.N., *Nurse*
 SOPHIA L. CONLEY, R.N., *Nurse*
 ARDELIA CULBERSON, R.N., *Nurse*
 EDITH HENRY, R.N., *Nurse*
 MINNIE V. DURANT, B.S., M.T., *Medical Technician*
 EUNICE DALE SNOW, *Secretary*
 ANNIE RICHARDS, *Ward Maid*
 MABEL WELLS, *Ward Maid*
 JAMES OAKS, *Janitor*
 ZULA THOMAS, *Matron*

JOHNNIE PUNCH, *Matron*
 CLEMONTINE RICHARD, *Matron*
 HORTENSE BRYANT, *Dietician*

COLLEGE EXCHANGE

NATHANIEL C. HARDEN, B.S., *Manager*
 EMORY R. SARGENT, B.S., *Assistant Manager*
 MARJORIE BIGSBY, B.S., *Clerk*
 ROSEMARY DEAN, B.S., *Clerk*
 BILLIE JEAN HARRIS, B.S., *Secretary*

DINING HALL

JACOB L. BOYER, JR., M.S., *Manager*
 COMPTON H. JOHNSON, M.S., *Supervisor, Student Cafeteria*
 MADISON KILPATRICK, *Chef Cook*
 WILLIE B. HAYNES, *Assistant Chef*
 BUFORD B. HARRISON, *Storeroom Manager*
 DURIA L. HENDERSON, *Head Baker*
 CLARA E. TORRY, *Supervisor, Faculty Cafeteria*
 BOBBYE J. PATCH, *Secretary, Dining Hall Department*
 BETTYE L. RICHARDS, *Hostess-Cook*
 VIVIAN BLEDSOE, *Cook*
 JAMES BRANDYBURG, *Head Dishwasher*
 MAVIS JONES, *Baker*
 CALVIN LEAKS, *Cook*
 WILLIE MCGOWEN, *Kitchen Helper*
 JAMES OSBY, *Baker*
 TERRY POWELL, *Yardman*
 DEWITT RUTLEDGE, *Nightman*
 EDWARD TAPSCOTT, *Storeroom Helper*
 JAMES R. TAPSCOTT, *Cook*

UTILITIES AND SERVICES DIVISION

CLAUDE L. WILSON, M.E., M.S., *Director*
 ANDREW E. CHARLESTON, B.S., *Engineer, Steam Plant*
 HENRIETTA T. FARRELL, B.S., *Superintendent of Laundry*
 FRANCIS G. FRY, B.S., in E.E., *Chief Engineer, Steam Plant*
 MARY ETHEL FRY, B.S., *Telephone Operator*
 LUTHER FRANCIS, B.S., *Chief Clerk, School of Engineering*
 ROSELLA E. HARTSFIELD, *Secretary, School of Engineering*
 JOE JONES, *Fireman, Steam Plant*
 DOROTHY A. LEE, *Secretary, School of Engineering*
 MRS. ELLIE A. MATHIS, B.S., *Telephone Operator*
 ALFRED RICHARDS, *Engineer, Steam Plant*
 Q. D. THOMAS, *Engineer, Steam Plant*
 ELI THOMPSON, *Fireman, Steam Plant*
 MRS. EDNA TURNER, B.S., *Telephone Operator*
 HAROLD G. WASHINGTON, *Cleaning and Pressing*
 ADDISON I. WATSON, *Engineer, Steam Plant*
 MRS. CLOCEAL C. WATSON, *Telephone Operator*
 WILL WEST, *Fireman, Steam Plant*
 VEIDA N. WILLIAMSON, *Secretary, School of Engineering*

MAINTENANCE DEPARTMENT

ALVIS A. LEE, *Superintendent of Maintenance*
WILLIAM EVANS, *Assistant Superintendent of Maintenance*
WALTER B. WATKINS, B.S., *Chief Clerk*
QUEEN E. JONES, *Secretary*
VERA ARNIC, B.S., *Payroll Clerk*
JOHN G. EVANS, SR., *Head Janitor*
KETCHUM CLAY, *Janitor, Administration Building*
EMMA COLEMAN, *Janitress, Household Arts Building*
GROVER COLTER, *Custodian, Gymnasium*
JAMES E. DAILY, B.S., *Electrician*
MRS. EARLINE DAVIS, *Janitress, Agriculture Building*
CECIL DYSON, *Janitor, Science Building*
WARREN FREEMAN, *Janitor, Education Building*
BRYANT RICHARDS, *Transportation Department*
W. S. KIDD, *Plumber Repairman*
MRS. JOHNETTA KING, *Janitress, Gymnasium*
MRS. GEORGIA M. LANE, *Janitress, Industrial Education Building*
MYRTLE SNELL, *Janitress, Animal Industry Building*
MRS. ALMA K. SWAINS, *Janitress, Library*
IRA TOMPKINS, *Carpenter Repairman*

DEPARTMENT OF CARE AND MAINTENANCE OF GROUNDS

HAROLD PERKINS, B.S., *Superintendent*
A. B. ALEXANDER, *Worker*
ISAAC BENNETT, *Worker*
CLAUD CLARK, *Foreman*
COSIE DAVIS, *Worker*
JOE NATHAN DAVIS, *Worker*
BEHN HOLSTER, *Worker*
A. B. SCOTT, *Assistant Foreman*

OFFICERS OF INSTRUCTION, 1951-52

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

- ALEXANDER, AARON CHARLES (1950) *Social Science*
 A.B., Prairie View A. & M. College 1947; M.A., Ohio State University 1950.
- ASHFORD, JAMES TIMOTHY (1947) *Music*
 B.S., Wilberforce University, 1945; M.A., New York University, 1947; Columbia University, Summers, 1948-49; University of Iowa, Summer, 1950, 1950-51.
- ATKINS, GEORGIA MAXINE (1950) *French*
 A.B., Spelman College 1949; M.A., Middlebury College 1950.
- BAILEY, ROBERT ERNEST (1946) *Shoe Repairing*
 Certificate in Shoemaking, Prairie View College 1922.
- BARKER, MELBA BERNARD (1951) *English*
 B.A., Southern University, 1948; M.A., University of Illinois, 1951.
- BASS, MARSHALL B., 1st Lt., USA (1950) *Assistant Professor
 of Military Science and Tactics*
- BASS, ROBERT A. (1951) *Engineering*
 B.S., Kansas State Teachers College, 1950.
- BELL, WENDOLYN YVONNE (1951) *Spanish*
 B.A., West Virginia State College, 1948; M.A., University of Wisconsin, 1950.
- BELL, WILLIE JAMES (1949) *Printing*
 Certificate in Printing, Prairie View A. & M. College, 1947; Certificate in Mechanism of the Linotype Machine, Mergenthaler Linotype School 1951.
- BLACK, GORHAM L., JR., Captain, Infantry, USA (1951) *Assistant
 Professor of Military Science and Tactics*
- BLED SOE, VIVIAN (1951) *Cooking and Baking*
 Certificate, Chesnut Cooking and Baking School, 1950.
- BRADFORD, MOLLYE KATHRYN (1946) *Home Economics*
 B.S., Tennessee State College, 1936; M.Ed., Wayne University, 1944.
- BRADLEY, MABLE FRANCIS (1945) *Library*
 A.B., Paul Quinn College, 1940; M.A., Prairie View College, 1948.
- BROOKS, GEORGE WILLIAM (1943) *Political Science*
 B.S., Indiana University, 1941; M.S., *ibid*, 1942; LL.B., La Salle University, 1947.
- BROWN, JONEL LEONARD (1943) *Head of Department of Economics
 and Business Administration and Director of Extra-Mural Services*
 A.B., Morehouse College, 1930; M.A., University of Wisconsin, 1941; Ph.D., *ibid*, 1946.
- BROWN, WILLIS LITTLETON (1951) *History and Political Science*
 B.A., Ohio State University, 1946; M.A., Ohio State University, 1948.
- BURDINE, DOROTHY I. (1933, 1938) *Education*
 A.B., A.M., Colorado State College of Education, 1933; University of Denver, Summers 1936, 1942, 1947.
- BURLEY, ROY W., CAPT., INFANTRY USA (1949) *Assistant Professor
 of Military Science and Tactics*
 Prairie View College, 1940-1943; Certificate, U. S. Army Information and Education School, 1948; Officers Candidate School, 1944; Graduate Basic Engineering A.S.T.P. Howard University, 1944.
- BURNS, MRS. LILLIE PALEY (1941) *Home Economics*
 B.S., Prairie View College, 1934; M.S., Kansas State College, 1941; Columbia University, Summer, 1948.
- CALVIN, ALBERT WESLEY (1949) *Mathematics*
 A.A., Kansas State Teachers, 1942; M.A., Columbia University, 1948.
- CAMBRIC, PERCY (1948) *Engineering*
 Certificate in Commercial Dietetics, Prairie View A. & M. College, 1948.

- CAMPBELL, ANNA LUCILLE (1932) *Head, Department of English*
A.B., Bradley Polytechnic Institute, 1930; M.A., Northwestern University, 1935;
New York University, 1946-1948.
- CHASE, HYMAN Y., LT. COLONEL, INFANTRY, USA (1950) *Professor*
of Military Science and Tactics
B.S., Howard University, 1926; M.S., *ibid*, 1929; Ph.D., Stanford University, 1934.
Graduate, Infantry Officers Advanced Course, The Infantry School, Fort Benning,
Ga., 1941; Graduate, The Command and General Staff School, Fort Leavenworth,
Kansas, 1942.
- CLEAVER, ARTHUR G. (1926) *Broom and Mattress Making*
Diploma, Prairie View State College, 1911; Certificate in Broom and Mattress
Making and Agriculture, 1911; Tuskegee Institute, Summer 1924.
- COLEMAN, ZELIA S. (1947) *Home Economics*
B.S. in Ed., Bishop College, 1930; B.S. in H.E., Prairie View College 1938; M.S.,
Kansas State College, 1947; University of Wisconsin, Summer, 1948 and 1949.
- COLLINS, SAMUEL ROBERT (1949) *Plumbing*
B.S., Prairie View A. & M. College, 1949.
- CORUTHERS, JOHN M. (1937) *Agricultural Economics*
B.S., Hampton Institute, 1925; M.S., University of Wisconsin, 1928; Ph.D., Cornell
University, 1934.
- COSS, MRS. CARRIE BELL (1946) *Psychology*
A.B., Howard University, 1926; B.E., University of Cincinnati, 1927; M.A., Columbia
University, 1940.
- CULLINS, ELLA WEBB (1942) *Department of Music*
B.A., Philander Smith College, 1940; M.A., Boston University, 1942.
- DAVIS, MALCOLM ADKINS (1943) *English*
A.B., Virginia State College, 1936; M.A., New York University, 1939; New York
University, 1939-40, 1940-41, Summer 1948. (Residence and Preliminary Comprehen-
sive completed toward Ed.D.)
- DAVIS, ROBERT LEE (1949) *Agriculture*
B.S., Virginia State College, 1942; M.S., University of Wisconsin, 1949.
- *DAVIS, SAMUEL WALTER (1948) *Education*
B.S., Southern Illinois Normal University, 1941; M.S., Loyola University, 1948; Uni-
versity of Chicago, Summer, 1948.
- DOOLEY, THOMAS P. (1934) *Dean of School of Arts and Sciences*
B.A., Morehouse College, 1927; M.S., University of Iowa, 1931; Ph.D., *ibid*, 1939.
- DREW, JESSE MONROE (1943) *Dean of College, Director of*
Graduate Study
B.S., Lincoln University, 1929; M.S., Kansas University, 1939; Ed.D., Harvard Uni-
versity, 1944.
- ELLIS, MRS. DELIA MAE (1947) *Home Economics*
B.S., 1935; M.S., 1945, Prairie View College; University of California, summer 1946.
- ELLISON, JOSEPH EMMETT (1946) *Education and Physics*
A.B., Fisk University, 1910; M.A., University of Michigan, 1946.
- ENGRAM, LEWIS W. (1948) *Agriculture*
B.S., Hampton Institute, 1940; M.S., Michigan State College, 1946.
- ESPY, MYRTLE STAFFORD (1951) *Library Science*
A.B., Tillotson College, 1944.
- FOREMAN, PEARL E. (1942) *Home Economics*
A.B., Howard University, 1935; B.S., Columbia University, 1938; M.A., *ibid*, 1939;
University of California at Los Angeles, 1946.
- FUSSELL, JOHN LEE (1951) *Mathematics*
B.S., Morehouse College, 1951.
- GALLOWAY, MRS. ELIZABETH C. MAY (1923) *Dean of School of*
Home Economics
B.S., Kansas State College, Summer, 1919; M.S., *ibid*, 1933; University of Chicago,
1930; University of Minnesota, 1933-39.
- GARNETT, LILLIAN BELL (1951) *Business Administration*
B.S., Emporia Teachers College, 1936; M.S., Emporia Teachers College, 1951.

* On Leave

- GARRETT, CONNALLY SHELTON (1948) *Music*
 B.A., Prairie View State College, 1943; M. Music, New England Conservatory of Music, 1948; Harvard University, Summer, 1949.
- GOINS, HERMIONE R. (1951) *Music*
 B.Mus.Ed., Northwestern University, 1949.
- GOULD, MIRIAM INEZ (1950) *Education*
 B.S., Virginia State College, 1944; School of Museum of Fine Arts, 1948, 1949, 1950.
- GRAHAM, FREDERICK MITCHELL (1950) *Civil Engineering*
 B.S., Iowa State College, 1948; M.S., Iowa State State College, 1950.
- GRAY, GRANT SYLVESTER (1950) *Physical Education*
 A.B., Kentucky State College, 1946; M.A., Ohio State University, 1947; Indiana University, 1949.
- GREAU, AUSTIN E. (1951) *Architecture*
 B.A., The Catholic University of America, 1950, *ibid*, 1950, *ibid* 1951.
- HALL, JULIA KATHRYN (1948) *Home Economics*
 B.S., Morgan State College, 1942; M.A., New York University, 1948; New York University, Summer 1948.
- HALL, WALTER JACKSON (1950) *Machine Shop Practice*
 B.S., Kansas State Teachers College, 1940; University of Arizona, 1943; Kansas State Teachers College, 1949-50.
- HARDEMAN, ELBERT (1950) *English*
 B.S., Bradley University, 1949; M.A., Bradley University, 1950.
- HENDERSON, DURIA L. (1941) *Cooking and Baking*
 Certificate in Baking, Prairie View A. & M. College, 1940; Certificate in Radio Engineering, Prairie View A. & M. College, 1943.
- HENRY, EDGAR GEORGE (1946) *Mathematics*
 B.A., Prairie View A. & M. College, 1931.
- HERNDON, DANIEL NORRIS (1946) *Laundry*
 B.S., Prairie View State College, 1939.
- HIGH, EDWARD GARFIELD (1946) *Chemistry*
 A.B., 1940; A.M., 1941; Ph.D., 1949; Indiana University.
- HILL, JESSIE LEON (1945) *Tailoring*
 B.S., Prairie View College, 1940.
- HOLLEY, THOMAS L. (1945) *Trade and Industrial Education*
 B.S., Prairie View A. & M. College, 1930; B.S., *ibid*, 1931; M.E., Colorado A. & M. College, 1947.
- HOUSTON, HASKELL S. (1942) *General Engineering*
 B.S., Prairie View College, 1933; Polytechnic Institute of Brooklyn, Summer, 1948.
- HOWELL, VERNER KARL (1951) *Education*
 B.S., Indiana State Teachers College, 1929; M.S., *ibid*, 1945.
- JAMES, LEE BANNER (1947) *Industrial Education*
 B.S., Lincoln University, 1939; M.S., Wayne University, 1944.
- JOHNSON, BLANCHE EDWARDS (1945) *Political Science and Associate Director of Student Life*
 B.S., Prairie View A. & M. College, 1932; M.S., Prairie View A. & M. College, 1946.
- JOHNSON, EDWARD J. (1927) *Auto Mechanics*
 Certificate in Auto Mechanics, Prairie View College, 1919.
- JOHNSON, EVERETT BERTRAM (1950) *Printing*
 B.S., Hampton Institute, 1950; *ibid*, Summer, 1950.
- JOLLIE, WILLIAM JONES (1949) *Painting*
 Trade Certificate, Hampton Institute, 1930; Trade Certificate, R. T. Cole Trade School, 1925.
- JONES, HERMAN T. (1947) *Natural Science*
 A.B., University of Kansas, 1931; A.M., *ibid*, 1933; *ibid* 1946.
- JONES, JULIUS BENTRAM (1951) *Music*
 B.S. Music, Ithaca College, 1931.
- JONES, N. A. *Auto Mechanics and Machine Shop Practice*
 1920, 1920, 1938, Kansas State Teachers College.

- JORDAN, KATHRYN NELL *Music*
 B.A., Langston University, 1945; M.A., State University of Iowa, 1949.
- LANE, RUTHCELA I. (1944) *Home Economics, Clothing*
 A.B., Fisk University, 1939; M.A., Columbia University, 1944; Pratt Institute, 1943.
- LEONARD, KATHERINE ESTELLE (1951) *Library Science*
 A.B., Morgan State College, 1949; M.L.S., Atlanta University, 1951.
- LEVISTER, ELZAR DYU (1950) *Music*
 A.B., Knoxville College, 1947; New York College of Music, 1947.
- LINDSAY, GLORIA JOYCE (1951) *Romance Languages*
 A.B., Hunter College, 1945; A.M., Columbia University, 1946.
- MCKINNIS, HUGH L. (1950) *Physical Education*
 B.S., Indiana University, 1949; M.S., *ibid*, 1950.
- MCNEELY, LIGGETT (1948) *Shoe Repair*
 Certificate in Shoe repairing, Prairie View A.&M. College, 1948.
- MARTIN, ADURAN KENT (1919) *Mathematics*
 B.S., Kentucky State College; M.S., Wayne University, 1949.
- MARTIN, DANIEL W. (1919) *Electricity*
 B.S., Mechanic Arts, Prairie View College, 1928; Kansas State Teachers College, Summer 1933; Prairie View College, Summers 1940-41.
- MARTIN, LEON W. (1949) *Brick Masonry*
 Certificate in Brickmasonry, 1947.
- MASON, LEON ULYSSES (1951) *Agriculture*
 B.S., Prairie View A. & M. College, 1939; M.S., Prairie View A. & M. College, 1947.
- MILLER, CLEOPHAS WILTHROX (1950) *Electrical Engineering*
 B.S., Howard University, 1950; E.E., Howard University, 1950.
- MITCHELL, LUTHER J. (1950) *Radio*
 B.S., Prairie View A. & M. College, 1950.
- MITCHELL, WILLIE (1951) *Biology*
 B.S., Prairie View A. & M. College, 1949; M.S., Prairie View A. & M. College, 1951.
- *MOORE, BRADLEY GEORGE (1949) *Music*
 B.S., Alabama State Teachers College, 1936; M.A., Ohio State University, 1949.
- MORRIS, DORIS GEORGENE (1951) *English*
 A.B., Boston University, 1948; M.A., Smith College, 1950.
- NICHOLAS, CHARLES HAWKINS (1943) *Chairman of Biology Section*
Natural Science Department
 A.B., Talladega College, 1930; M.S., University of Michigan, 1939; Columbia University, Summer, 1934; Atlanta University Workshop, Summer, 1941; Chicago University, Summer 1947, 1947-48 and Summer 1948.
- NICKS, WILLIAM JAMES (1945) *Head, Department of*
Physical Education
 A.B., Morris Brown College, 1928; M.A., Columbia University, 1941.
- NOEL, MARGARET ANNABELL (1951) *Library Science*
 B.A., North Carolina College, 1945; B.S.L.S., North Carolina College, 1951.
- NORRIS, ERNEST MISHEAL (1927-28, 1937-45, 1946) *Agriculture*
 B.S., Prairie View State College, 1927; M.S., Cornell University, 1931; Ph.D., *ibid*, 1934.
- O'BANION, ELMER E. (1939) ... *Head, Department of Natural Sciences*
 A.B., Indiana University, 1934; M.A., 1935, Ph.D., *ibid*, 1942.
- O'NEAL, LEON H., WARRANT OFFICER, U.S.A. (1949) *Assistant*
Adjutant and Administrative Officer
- OUTLAW, RUTH EVANGELINE (1950) *Education*
 B.S., Howard University, 1949; M.A., University of Chicago, 1950.
- PANKEY, ELDRIDGE T., CAPTAIN, INFANTRY, U.S.A. (1950) ... *Assistant*
Professor of Military Science and Tactics
 B.S., Virginia State College, 1939; Graduate, Infantry Officers' Candidate School, Fort Benning Ga., 1942.
- PARKER, GRACE HAYNES (1950) *English*
 A.B., Talladega College, 1928; M.A., Atlanta University, 1946.

- PHELPS, DOROTHY BELLE (1951) *Physical Education*
B.S., Tennessee A. & I. State College, 1944; M.A. Teachers College, Columbia University, 1948.
- 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 A. & M. College, 1933; Margaret Hague Maternity Hospital, 1946.
- PHILLIPS, JAMES EDWARD (1949) *Social Science*
B.S., Indiana University, 1947; M.A., Columbia University, 1949.
- PIERSON, HELEN GERALDINE (1949) *Music*
B.M., Kansas University, 1945; Kansas University, 1945-46; Juilliard School of Music 1948-49.
- POINDESTER, ALFRED N. (1945) *Veterinary Medicine*
D.V.M., Kansas State College, 1945.
- PORTER, THADDEUS GILMORE (1949) *Carpentry*
- POWELL, JOHN R. (1951) *Agricultural Education*
B.S., Prairie View A. & M. College, 1937; M.S., Prairie View A. & M. College, 1948.
- POWELL, THELMA MADRIA (1951) *Library Science*
A.B., West Virginia State College, 1940; B.L.S., Atlanta University, 1948.
- PRATT, EMMA THERESA MAE (1943, 1946) *Home Economics*
B.S., Prairie View College, 1935; M.F.A., University of Colorado, 1946.
- PRESTON, ANNIE C. (1933-44, 1945) *Education*
B.S., Virginia State College, 1931; M.A., Columbia University, 1932, 1938-39.
- PRUNTY, CAROLYN YVONNE (1951) *Education*
B.A., Shaw University, 1949; M.A., University of Illinois, 1950.
- RANDALL, ALBERT W. (1923) *Head, Department of Mathematics*
B.S., Alcorn A. & M. College, 1916; A.M., University of Colorado, 1929; Summers, 1937, 1940.
- *RANDALL, JAMES A. (1948) *Sociology*
B.A., University of Michigan, 1947; M.A., *ibid*, 1949.
- RAWLS, JOHN CADMUS (1950) *Economics*
B.S., A. & T. College, 1948; M.A., University of Iowa, 1950.
- RAYFORD, ROBERT WILLIE (1950) *Dry Cleaning*
B.S., Prairie View A. & M. College, 1947; M.S., *ibid*, 1949.
- REEVES, GEORGE W. (1930) *Education*
A.B., Atlanta University, 1924; A.M., University of Michigan, 1932; *ibid*, Summer, 1938; North Carolina College for Negroes Workshop, Summer, 1942; University of Chicago, Summer 1945.
- RILEY, GEORGE EMERSON (1950) *Biology*
A.B., Syracuse University, 1949; M.A., Oberlin College, 1950.
- ROBINSON, WILLIAM H. (1951) *English*
B.A., New York University, 1951; New York University, Summer 1951.
- ROSS, JOHN R. (1945) *Agriculture*
B.S., Virginia State College, 1936; M.S., Cornell University, 1945; *ibid*, 1949-50.
- SALLEE, GLADYSE LORRAINE (1949) *Physical Education*
B.S., Tennessee A. & I. State College, 1946; M.A., University of Michigan, 1948.
- SAMUEL, WILLIAM A. (1945) *Chemistry*
B.S., Johnson C. Smith University, 1933; M.S., Atlanta University, 1940; *ibid*, Summer, 1942, 1943; Ohio State University, 1948-49 and Summer, 1949.
- SHEEN, EDWIN DRUMMOND (1943) *English*
A.B., James Millikin University, 1925; M.A., University of Illinois, 1927; University of Chicago, 1929, 1936-37, Summer 1938, Summer 1942, 1946-47; Northwestern University, Summers, 1930-31; University of Illinois, 1947-48, Summer 1948.
- SHIELDS, MRS. BENNIE L. J. (1946) *Library Science Education*
B.A., Prairie View College, 1941; B.S. in L.S., University of Denver, 1947.

* On leave

- SINGLETERY, JAMES DANIEL (1950) *Education*
 B.S., New York State College for Teachers, 1944; A.M., The University of Chicago, 1946; Ph.D., The University of Chicago, 1950.
- SMITH, GEORGE L. (1931) *Dean, School of Agriculture and Superintendent of Agricultural Experiment Station*
 B.S., Hampton Institute, 1929; M.S., Kansas State College, 1941; *ibid.*, 1940-41.
- SMITH, OLIVER EMMIT (1949) *Agriculture*
 B.S., Prairie View A. & M. College, 1947; M.S., University of Nebraska, 1949.
- SOLOMON, THOMAS R. (1939) *Head, Department of History, Philosophy and Political Science*
 A.B., Wayne University, 1929; M.S., *ibid.*, 1933; Ph.D., University of Michigan, 1939.
- SPALDING, SYDNEY W. (1944) *English*
 A.B., Eureka College, 1929; A.M., University of Illinois, 1930; University of Michigan, 1933-34, 1937-39.
- SPRAGGINS, IGAL E. (1951) *Sociology*
 B.S., Wilberforce University, 1941; M.Litt., University of Pittsburgh, 1947.
- STEIN, ANDREW MARK (1951) *Chemistry*
 A.B., Texas College, 1940; M.S., State University of Iowa, 1942.
- STEVENS, JAMES A. (1947) *Physical Education, Director of Athletics*
 B.S., Kansas State Teachers College, 1929; M.S., University of Southern California, 1947; *ibid.*, 1947.
- STICKNEY, WILLIAM H. (1945) *Printing*
 Diploma and Certificate in Printing, Alabama Agricultural and Mechanical Institute, 1924; Mergenthaler Linotype School, Summer, 1925; Colorado State College, Summer, 1931; Carnegie Institute of Technology, Summer, 1933; *ibid.*, year 1934-35.
- SWINDALL, WELLINGTON D. (1951) *Economics and Business Administration*
 B.S., Bluefield State College, 1949; M.A., Kent State University, 1950.
- TAYLOR, JIMMIZINE B. (1945) *Library*
 A.B., Arkansas State College, 1940; B.S.L.S., Atlanta University, 1943.
- *THOMAS, ALVIN IGNACE (1949) *Woodwork*
 B.S., Kansas State Teachers College, 1948; M.S., *ibid.*, 1949.
- THOMAS, JESSIE IRVIN, JR. (1949) *Health Education*
 B.S., Prairie View A. & M. College, 1948; M.S., North Carolina College, 1949.
- THOMAS, OSCAR J. (1938) *Itinerant Teacher Trainer*
 B.S., Prairie View State College, 1926; M.S., Prairie View College, 1945; Cornell University, Summers 1946 and 1948.
- THOMAS, RICHARD GARLAND (1950) *Physics*
 B.S., Hampton Institute, 1943; M.A., Columbia University, 1950.
- TOLSON, MELVIN BEAUNORUS, JR. (1946) *Romance Languages*
 B.S., Wiley College, 1942; B.D., Gammon Theological Seminary, 1946; M.A., Oklahoma A. & M. College, 1950.
- VON CHARLTON, RUDOLPH EVERETT (1942) *Head, Department of Music*
 B.S., in Music, Hampton Institute, 1931; M.Mus., University of Michigan, 1939; Ph.D., Columbia University, 1948.
- WALDEN, JENELSIE (1946, 1951) *Education*
 B.A., Spelman College, 1941; B.F.A., Chicago Art Institute, 1945; Chicago Art Institute, 1950-51.
- WARD, CLIFFORD LOUDIN (1951) *Biology*
 B.S., Ohio State University, 1935; M.S., Ohio State University, 1936.
- WASHINGTON, HAROLD G. (1947) *Dry Cleaning*
 Certificate, C. C. Hubbard School of Dry Cleaning.
- WELLS, VERNON (1950) *Physical Education*
 B.S., Tillotson College, 1946; M.S., University of Southern California, 1948.
- WILLIAMS, JOHN CALVIN (1940) *Agriculture*
 B.S., Hampton Institute, 1932; M.S., Kansas State College, 1940; *ibid.*, 1948-49 and Summer 1949.
- WILSON, CLAUD L. (1925) *Dean, School of Engineering*
 B.S., Mechanical Engineering, Kansas State College, 1925; M.E., *ibid.*, 1929; M.S., *ibid.*, 1933.

- WILSON, JESSE M. (1931) *Tailoring*
 Certificate in Tailoring, Tuskegee Institute, 1927; Certificate in Designing, Master Designer's School of Designing, 1934; B.S., Kansas State Teachers College, 1941.
- WOOD, CURTIS ALEXANDER (1947) *Health Education and Office of Information*
 A.B., Knoxville College, 1938; M.A., Columbia University, 1946.
- WOODS, JOHNNIE J. (1945) *Agriculture*
 B.S., Prairie View State College, 1938; Prairie View State College 1944; M.S., Kansas State College, 1948.
- WOOLFOLK, GEORGE RUBLE (1943) *History*
 A.B., Louisville Municipal College, 1937; M.A., Ohio State University, 1938; Ph.D., University of Wisconsin, 1947.
- WORK, WARREN LEROY (1951) *Engineering*
 B.S., Kansas State Teachers College, 1951.
- YARBROUGH, DEAN SCRUGGS (1949) *Sociology*
 B.A., Miles College, 1923; M.H., Springfield College, 1925; M.A., University of Pittsburgh, 1926; Ph.D., *ibid*, 1934.

OTHER OFFICERS AND ASSISTANTS

- NATHANIEL BEAL, *Night Watchman*
- MERTON E. BROWN, *Sergeant First Class, U. S. A., Instructor—Clerk, Department of Military Science*
- MRS. HORTENSE BRYANT, *Dietician, Hospital*
- DANIELS, JAMES N., *Sergeant First Class, U. S. A., Instructor, Department of Military Science*
- GRACE L. ETTER, *Secretary, Office of the President*
- ALPINE H. FREEMAN, *Master Sergeant, U. S. A., Supply NCO, Department of Military Science*
- ARLENE V. GREENWOOD, *Secretary, Dean of School of Home Economics*
- THELMA HACKWORTH, B.S., *Secretary, Director of Extra-Mural Services*
- GOLLIA HANCOCK, *Secretary to Superintendent of Agriculture Experiment Station*
- JAMES O. HILL, *Sergeant First Class, U.S.A., Instructor—Maintenance NCO, Department of Military Science*
- *EZRA L. HENDERSON, *Secretary, Office of the President*
- INSELL, HENRY S., *Sergent First Class, U. S. A., Instructor—Maintenance Department of Military Science*
- ERNEST KIMBLE, *Manager, College Barber Shop*
- *MRS. GERTHA MAE MUNSON, *Secretary to Dean of School of Home Economics*
- MARY E. MOORE, *Certificate, Secretary, School of Arts and Sciences*
- MRS. LUBERTA D. MURPHY, *Maid, Hospital*
- CASSIE NICKERSON, B.A., *Secretary to State Itinerant Teacher in Vocational Home Economics*
- JAMES OAKS, *Janitor, Hospital*
- LEON H. O'NEAL, *Sergeant First Class, Clerk, Department of Military Science*
- OSCAR PIPKINS, *Night Watchman*
- MRS. AMIE RICHARDS, *Ward Maid, Hospital*
- LEVESTER SMITH, B.S., *Laboratory Supervisor and Keeper of Storeroom in Natural Science Department*
- MRS. VALERIE A. STAFFORD, B.A., *Secretary, School of Agriculture*
- SANDERS STREDICK, *Night Watchman*

* On leave

- LULA M. TURMAN, Secretarial Certificate, *Secretary, School of Agriculture*
 MRS. MARJORIE B. WILCOTS, B.S., *Secretary, Office of Dean of Instruction*
 MAYE RUTH WILLIAMS, B.S., *Assistant to Manager of Snack Bar*
 WINGATE, CASSIE S., JR., *Sergeant, U. S. A., Instructor, Department of Military Science*

GRADUATE FELLOWS FOR THE YEAR 1951-1952

- ERMA SHAW COIT, A.B., Prairie View A. & M. College, 1950
 *HENRY L. MOORE, B.S., in Agriculture, Prairie View A. & M. College, 1947.
 MILLARD C. PIGFORD, B.S. in Education, Prairie View A. & M. College, 1934
 CLIFFORD J. POLLARD, B.S., Prairie View A. & M. College, 1950
 *THEODORE C. R. RANDALL, B.S., in Agriculture, Prairie View A. & M. College, 1951
 CLYDE B. WEDGEWORTH, B.S. in Agriculture, Prairie View A. & M. College, 1935

COOPERATIVE EXTENSION SERVICE

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

HEADQUARTERS STAFF

- W. C. DAVID *State Leader*
 Normal Graduate in Agriculture, Prairie View State Normal and Industrial College, 1917; B.S. in Pharmacy, Howard University, 1924; Prairie View State College, Summers, 1939, 1941.
 MARSHALL V. BROWN *Administrative Assistant*
 B.S. in Agriculture, 1931; Prairie View State College, Summers 1941, 1942; *ibid*, 1942-43.
 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; M.S., *ibid*, 1949.
 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. EZELE M. GREGORY *District Home Demonstration Agent*
 B.S. in Home Economics, Prairie View State College, 1938.
 MYRTLE E. GARRETT *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 *District Agent*
 Normal Graduate in Agriculture, 1912, Prairie View State College; *ibid*, Summers, 1929, 1930, 1941.
 GRAYCE E. DANIELS *Extension Secretary*
 MAURICE CARTER *Extension Secretary*
 EASTER D. JOHNSON *Extension Secretary*

* Part of the Year

ALUMNI ACTIVITIES

OFFICERS OF THE ASSOCIATION

EXECUTIVE COMMITTEE

RAY HARRISON, '25
President

W. D. THOMPSON, '40
First Vice-President

L. U. MASON, '39
Second Vice-President

L. C. MOSLEY, '29
Executive Secretary

MRS. NELLIE J. L. PUNCH, '41
Secretary

A. W. McDONALD, '34
Treasurer

EDGAR HENRY, '31
Editor

BOARD OF DIRECTORS

E. M. NORRIS, '27, Prairie View
Chairman

I. T. HUNTER, '26, Tyler

MRS. LULA WHITE, '28, Houston

T. L. HOLLEY, '30, San Antonio

MRS. MABLE KILPATRICK, '31,
Houston

C. B. BUNKLEY, '42, Dallas

W. M. DAVIS, '29, Baytown

The Alumni and Ex-students Association is functioning under a constitution which was revised in May 1950 and a state Charter issued in November 1950. The association was organized in 1901 and includes in its membership both graduates and former students. It is a member of the National Alumni Association. The voting privilege is restricted to those who have paid their dues and are classified as active members. Two meetings are held each year—one in the fall and one the day before commencement in the spring. 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. The office of the alumni association located in the Administration Building acts as a central clearing agency for all alumni business.

GENERAL INFORMATION

LOCATION

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

PURPOSE

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

Firstly, it is a normal school for the preparation and training of colored teachers.

Secondly, it is a four-year college offering liberal arts and scientific curricula.

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

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

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

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

INSTRUCTIONAL ORGANIZATION

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

- THE SCHOOL OF AGRICULTURE
- THE SCHOOL OF ARTS AND SCIENCES
- THE SCHOOL OF HOME ECONOMICS
- THE SCHOOL OF ENGINEERING
- THE DIVISION OF NURSING EDUCATION
- THE GRADUATE SCHOOL

HISTORY

The Fifteenth Legislature of the State of Texas met in the year 1876. One of the acts of that Legislature provided for the establishment of "An Agricultural and Mechanical College" for Negro citizens to be located in Waller County. L. M. Minor was elected first teacher of the school (Alta Vista Agricultural College). He served in this capacity from 1878 to 1879. In the last year of his principalship a legislative act provided for reorganization of the college and made funds available for the training of public school teachers therein. The second principal, E. H. Anderson, served from 1879 to 1884; and L. C. Anderson, the third principal, held the position for the next twelve years. The gray stone Administration Building, whose architectural design was widely admired, was erected in 1889, and the Old Agriculture Building was erected in 1890.

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

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

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

In 1926 W. R. Banks became the seventh principal of Prairie View. He served until August 31, 1947, at which time he be-

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

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

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

In 1936 the first buildings were built to house the N.Y.A. resident center, a new chapter in Vocational Training for youth was opened. The project was enlarged and made a training center for Negro men in critical occupations for support of the war effort. The men filled positions as welders, mechanics, pipe fitters, machine operators, and moulders in ship yards, foundries, and machine shops all over the nation. The project terminated in July, 1943. The facilities are now being used for vocational trade courses.

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

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

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

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

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

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

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

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

A new women's dormitory was completed in September 1950 at a cost of \$350,000.00. This dormitory was named for the late Dean of Women, Miss M. E. Suarez. It houses 247 seniors and has facilities for recreational and social entertainment. A similar building, J. M. Alexander, was completed for the men in 1952. The E. B. Evans Animal Industries Building was completed in 1951, and the Engineering Building in 1952.

THE W. R. BANKS LIBRARY

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

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

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

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

EXTRA-CURRICULAR ACTIVITIES

RELIGIOUS INFLUENCES

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

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

STUDENT ORGANIZATIONS

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

ATHLETICS

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

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

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

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

AWARDS AND PRIZES

Prizes and awards are made for accomplishments in various fields of endeavor throughout the College. They are sometimes monetary in nature and sometimes in the form of keys, cups, pins, or insignia. A short description of them is given below.

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

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

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

T. K. LAWLESS AWARD. A cash award to the graduating senior who,

during four years at Prairie View A. & M. College, has made the most outstanding contributions to the institution.

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

VOCATIONAL REHABILITATION

The Texas Education Agency, 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 officer or to the Director of Vocational Rehabilitation, 302 Walton Building, Austin, Texas.

LOAN FUNDS

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

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

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

THE MARY GIBBS JONES AND JESSE H. JONES SCHOLARSHIP PRIZES

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

Mr. and Mrs. Jesse H. Jones of Houston, Texas have also made available \$25,000.00 for Nursing Education Scholarships. This Scholarship fund is known as the A. Jeannette Jones Scholarship Fund.

All inquiries and applications for these scholarships should be addressed to the Chairman of the Scholarship Committee, Prairie View A. & M. College, Prairie View, 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.

STATE SCHOLARSHIPS

The State of Texas exempts citizens of Texas who are high school graduates of the state orphanages of Texas from all required fees, including fees for correspondence courses. Applicants should request this exemption of the Registrar.

REGULATIONS

DISCIPLINE AND GOVERNMENT

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

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

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

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

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

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

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

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

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

It is his prerogative to act alone or delegate his authority to other personnel of the College.

AUTOMOBILE REGULATIONS

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

HAZING

Hazing is prohibited by law in state educational institutions of Texas. The law provides that: "Any student of any state educational institution of Texas who commits the offense of hazing shall be fined not less than \$25.00 nor more than \$250.00 or shall be confined not less than ten days nor more than three months, or both."

TOTAL FEES FOR ALL STUDENTS EXCEPT NURSES

(These fees are subject to change without notice)

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

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

STUDENT FEES

The following student fees are hereby approved effective September 1, 1952, to remain in effect until changed by order of the Board of Directors, and all fees in conflict herewith are hereby cancelled:

MATRICULATION, REGISTRATION OR TUITION FEE

Regular Session

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

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

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

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

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

Summer Session

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

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

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

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

LATE REGISTRATION

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

September 15-18 is the registration period for the first semester,
1952-53.

January 26 is the registration day for the second semester, 1952-53.

DEGREES, CERTIFICATES, ETC.

College Diploma Fee	\$ 5.00
Graduate School Diploma and Graduation Fee	\$ 10.00
Graduate Nursing Diploma	\$ 7.50
Transcript Fee (per copy after first copy)	\$ 1.00
Trade Certificate Fee	\$ 2.00
Entrance Examination Fee for students from non-accredited high schools	\$.50
Deficiency Examination Fee, per course	\$ 1.00
Deficiency grades are I and K.	

EXTENSION COURSES

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

CORRESPONDENCE COURSES FEE

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

LABORATORY FEES

PER COURSE, PER SEMESTER OR TERM

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

COMMERCIAL FEES

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

STUDENT ACTIVITIES FEE

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

MUSIC FEES

Regular Session

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

Summer Session

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

R. O. T. C. UNIFORM HANDLING FEE

Regular Session	\$ 7.00
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MAINTENANCE FEE

Regular Session

Room rent, board and laundry per month (Room rent \$7.00, board \$21.75, laundry \$2.75)	\$ 34.75
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Summer Session

Room rent, board and laundry, per term of 6 weeks	\$ 57.45
(Room rent \$9.80, board \$39.90, laundry \$4.20)	
Graduate students only—room rent for Summer Session per term of six weeks	\$ 15.40
Roomers only pay \$10.00 per month for room and laundry	
Room Key Deposit, returnable	\$ 1.00

REFUNDS

For all Colleges of Texas Agricultural and Mechanical College System

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

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

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

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

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

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

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

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

EXPENSES AND FEES FOR 1952-53

(These fees are subject to change without notice)

FIRST SEMESTER

	Men	Women	Veterans ¹
Tuition (Non residents pay \$150) . . .	\$ 25.00	\$ 25.00	\$
Student Health and Activity Fee . . .	10.00	10.00	
*Maintenance Sept. 15-Oct. 10, 1952 . .	30.12	30.12	30.12
Uniform Service Charge	7.00		
<i>Total Fees for Entrance</i>	<i>\$ 72.12</i>	<i>\$ 65.12</i>	<i>\$ 30.12</i>
*Maintenance—October 11-Nov. 10 . .	34.75	34.75	34.75
*Maintenance—November 11-Dec. 10 . .	34.75	34.75	34.75
*Maintenance—Dec. 11-20-Jan. 1-10 . .	23.17	23.17	23.17
*Maintenance—Jan. 11-Feb. 10, 1952 . .	34.75	34.75	34.75
<i>Total Fees for First Semester</i>	<i>\$199.54</i>	<i>\$192.54</i>	<i>\$157.54</i>
Books and Supplies—estimated	20.00	20.00	
<i>Total expenses—First Semester</i>	<i>\$219.54</i>	<i>\$212.54</i>	<i>\$157.54</i>

SECOND SEMESTER

Tuition (Non residents pay \$150) ¹ . . .	\$ 25.00	\$ 25.00	\$
Student Health and Activity Fee . . .	10.00	10.00	
*Maintenance—Feb. 11-Mar. 10	34.75	34.75	34.75
**Total Fees for Entrance	\$ 69.75	\$ 69.75	\$ 34.75
*Maintenance—March 11-Apr. 10	34.75	34.75	34.75
*Maintenance—April 11-May 10	34.75	34.75	34.75
*Maintenance—May 11-23	15.06	15.06	15.06
<i>Total Fees Second Semester</i>	<i>\$154.31</i>	<i>\$154.31</i>	<i>\$119.31</i>
Books and Supplies—estimated	20.00	20.00	
<i>Total Expenses Second Semester</i>	<i>\$174.31</i>	<i>\$174.31</i>	<i>\$119.31</i>
<i>Total Fees Regular Session</i>	<i>\$351.85</i>	<i>\$346.85</i>	<i>\$276.85</i>
<i>Total Expenses Regular Session</i>	<i>\$391.85</i>	<i>\$386.85</i>	<i>\$276.85</i>

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

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

* Maintenance includes board, room and laundry.

** Male students entering college in February must pay an additional \$7.00 for Uniform Service Charge.

NURSING FEES

FIRST YEAR

FIRST SEMESTER

Tuition (non-residents pay \$150)	\$ 25.00
Student Activity Fee	10.00
Maintenance—Sept. 15-Oct. 10, 1952	30.12
	<hr/>
	\$ 65.12

*Maintenance—Oct. 11-Nov. 10	34.75
*Maintenance—Nov. 11-Dec. 10	34.75
*Maintenance—Dec. 11-20-Jan. 1-10	23.17
*Maintenance—Jan. 11-Feb. 10	34.75

 \$192.54

Books and supplies—estimated	20.00
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 \$212.54

SECOND SEMESTER

Tuition (non-residents pay \$150)	\$ 25.00
Student Activity Fee	10.00
Maintenance—Feb. 11-Mar. 10	34.75
Uniforms	79.50

 \$149.25

*Maintenance—Mar. 11-Apr. 10	34.75
*Maintenance—Apr. 11-May 10	34.75
*Maintenance—May 11-May 23	15.06

 Total for Second Semester
 \$233.81 |

 Total for First Semester
 \$212.54 |

 Total for both Semesters
 \$446.35 |

SUMMER SESSION

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

 \$ 42.00

 Room and board for first summer furnished by Prairie View
 Hospital

 Total for First Year
 \$488.35 |

 * Maintenance, including board, room and laundry.

SECOND YEAR

FIRST SEMESTER

Tuition (non-residents pay \$150)	\$ 25.00
Books (estimated)	30.30
Uniforms (estimated)	40.00
Room and board furnished by Jefferson Davis Hospital	
	\$ 95.00

SECOND SEMESTER

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

Total for both Semesters	\$120.00
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SUMMER

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

Total for Second Year	\$155.00
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THIRD YEAR

FIRST SEMESTER

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

SECOND SEMESTER

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

Total both semesters	\$ 92.50
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SUMMER SESSION

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

Total for third year	\$134.50
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Total for Three Years	\$777.85
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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 and an inexpensive watch with second hand.

NON-RESIDENT STUDENT REGISTRATION FEES

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

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

8. All aliens shall be classified as non-resident students except that an alien who has applied for naturalization in the United States and has received his first citizenship papers shall have the same privilege of qualifying as a resident student as a citizen of the United States. The twelve (12) months' residence required to establish the status of a resident student shall not begin until after such first citizenship papers have been issued to the alien.
9. Members of the Army, Air Corps, Navy or Marine Corps of the United States who are stationed in Texas on active military duty shall be permitted to enroll their children by paying the tuition fees and charges provided for resident students without regard to the length of time such member of the Armed Service shall have been stationed on active duty within the State. This provision shall extend only during active military service in Texas; and upon such member of the Armed Service being transferred outside the State of Texas, his children shall be classified as to residence under Section One (1) of these regulations. Any student claiming the privilege of this section shall submit at each registration a statement by the commanding officer of the post or station at which his parent is on active duty verifying the fact of his parent's military status.
10. Appointment as a member of the teaching or research staffs or the holding of a fellowship, scholarship, or assistantship shall not affect a student's residence status or the tuition fee to be paid.
11. It shall be the responsibility of the student to pay the correct fee at the beginning of each semester or term for which he may register, and a penalty of five dollars (\$5.00) shall be assessed for failure to pay the proper fee.

ACTIVITY FEE

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

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

ACADEMIC INFORMATION

ADMISSION

GENERAL ADMISSION REQUIREMENTS

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

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

ADMISSION BY CERTIFICATE

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

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

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

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

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

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

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

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

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

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

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

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

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

Students entering to major in applied music (piano, voice, and violin) should show evidence of satisfactory elementary training and technique. Those who do not meet entrance re-

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

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

quirements 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 Texas Education Agency, mainly for the convenience of students in non-accredited high schools who wish to satisfy college entrance requirements.

Fall entrance examinations will be given at Prairie View A. & M. College September 12 and 13, 1952, for graduates of four-year non-accredited high schools who wish to qualify for admission.

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

ADMISSION TO ADVANCED STANDING

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

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.

Credit for undergraduate courses in extension and/or correspondence in the major subject or for the requirements for the baccalaureate degree shall be limited to one-fourth of the total credit hours required. Transfer credit will be allowed only for extension and/or correspondence courses meeting the above qualifications.

Students applying for advanced standing in music courses that lead to a degree must show evidence of satisfactory com-

pletion of courses equivalent to those outlined in the music curriculum of the college and must pass acceptably an examination in applied music. Standing in music courses will be determined in consultation with the head of the Music Department.

ADMISSION BY INDIVIDUAL APPROVAL

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

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

ADMISSION AS IRREGULAR STUDENT

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

SPECIAL ADMISSION REQUIREMENTS FOR VETERANS

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

Prairie View A. & M. College normally admits high school graduates upon the recommendation of their high school principals. They must have fifteen units of high school work. Veterans may be admitted on individual approval even though they do not have fifteen units of high school work. Those admitted must complete the first year's work in college and pass the prescribed examinations to validate the high school credit.

SCHOLASTIC REGULATIONS

UNIT OF CREDIT

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

EXPLANATION OF COURSE NUMBERS

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

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

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

CLASSIFICATION

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

CLASS ATTENDANCE

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

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

At the end of every third week in a semester, or whenever a student accumulates the maximum number of unexcused absences indicated in No. 2 below, faculty members shall report to the Dean of Instruction the names of students whose absences have been numerous enough to affect their work adversely.

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

if his total unexcused absences in a single five-semester-course exceeds fifteen

3. Students who have accumulated an excessive number of absences and have been dropped from a sufficient number of courses to reduce their course loads below the minimum of twelve semester hours may be dropped from the institution at the discretion of the Dean of Instruction.

CHANGE OF PROGRAM

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

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

EXTRA LOADS

Any credit course taken in addition to a program of 17 semester hours constitutes an extra load in the School of Arts and Sciences and 18 semester hours in the other Schools. To carry an extra load the student must obtain written permission from the Classification Committee. 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); F (below 65); I—Incomplete; K—Delinquent Account; W—Official Withdrawal. A grade of "I" means that some relatively small part of the session's work remains undone

because of illness or other unavoidable reason. Grades of "I" and "K" are considered deficient for passing. Grades of "I" or "K" may become passing upon completion of the work prescribed by the instructor. (See section on Incomplete Classwork.)

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

INCOMPLETE CLASS WORK

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

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

GRADE POINTS

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

HONOR ROLL

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

FAILING TO PASS—PROBATION

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

GRADE REPORTS FROM THE REGISTRAR

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

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

EXAMINATIONS AND TESTS

SEMESTER EXAMINATIONS

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

MID-SEMESTER TESTS

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

ABSENCE FROM EXAMINATIONS

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

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

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," "B," and "C" 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 cor-

responding time in a later semester if he can come back. If he is out a considerable length of time, he should return earlier in order that the first part of the semester's work should be fresh in his mind when he comes to the latter part.

DEGREES, DIPLOMAS AND CERTIFICATES

APPLYING FOR GRADUATION

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

DEGREES AND DIPLOMAS OFFERED

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

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

REQUIREMENTS FOR DEGREES AND DIPLOMAS

Semester Hour and Grade Point Requirement. To qualify for any degree a student must not only present at least 120 semester hours and 120 grade points, but must also satisfy the specific course hour and grade point requirements listed for

the school in which he is enrolled. One grade point for each semester hour presented in Residence for graduation is required of all candidates for degrees. Transfer credits do not carry grade points. (For evaluation of grades see "Grade Points.")

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

Credit for undergraduate courses in extension and/or correspondence in the major subject or for the requirements for the baccalaureate degree shall be limited to one-fourth of the total credit hours required. Transfer credit will be allowed only for extension and/or correspondence courses meeting the above qualifications.

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

Credit for undergraduate courses in extension and/or correspondence in the major subject or for the requirements for the baccalaureate degree shall be limited to one-fourth of the total credit hours required. Transfer credit will be allowed only for extension and/or correspondence courses meeting the above qualifications.

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

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

government and at least three (3) hours of credit in a course in Military Science as provided in an approved Senior R.O.T.C. unit."

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

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

***Essay Requirement.** Every candidate for the bachelor's degree must write a report or an essay on some practical topic or project in his field of concentration. The report or essay must be typewritten, double-spaced on plain white bond paper, and must be approved by the advisor under whose supervision it has been written, and the Head of the Department. Two copies must be bound at the expense of the student. The original and first carbon must be filed in the Dean's office not later than May first of the academic year in which the degree is to be conferred. Candidates for the degree at the Summer School Commencement must file their reports or essay before August first.

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

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

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

Second Baccalaureate Degree Requirement. No second bachelor's degree will be conferred until the candidate has completed

at least thirty semester hours in addition to those counted toward the first Bachelor's degree. The credit subsequent to the first undergraduate degree required for presentation on the second undergraduate degree must be done in residence. It is provided further that the last actual credit presented in the second undergraduate degree must be done in residence.

REQUIREMENTS FOR TRADE CERTIFICATES

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

REQUIREMENTS FOR TEACHING CERTIFICATE

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

REQUIREMENTS FOR THE VARIOUS CERTIFICATES STATE OF TEXAS

1. *Elementary Four-Year or High School Two-Year Certificate*

30 hours total college credit, which must include

6 hours in English

6 hours in Education

A course in Texas and Federal 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

6 hours in English

12 hours in Education, 6 of which is Secondary

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; and Practice Teaching
 A course in Texas and Federal Governments

5. *Permanent High School Certificate*

- (1) 120 hours total college credit—Standard Degree
 24 hours in Education, 8 Secondary in nature
 6 hours in English; and Practice Teaching
 A course in Texas and Federal Governments
- (2) Teach three years aggregating 27 months since degree was issued, if applicant has had 12 hours in Education, 6 of which must be Secondary in nature

6. *Permanent Elementary Certificate*

- (1) Regular college course in any State Teachers' College
- (2) Teach five years aggregating 30 months on six-year elementary certificate.

Administrative Certificate

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

SCHOOL OF AGRICULTURE

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

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

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

An Agricultural Experiment Station which is located on the premises of the campus is directly beneficial to students in agriculture. Through these research discoveries students learn to apply new scientific principles to the business of farming.

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

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

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

BASIC WORK IN THE FRESHMAN AND SOPHOMORE YEARS

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

SOPHOMORE YEAR

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

AGRICULTURAL EDUCATION MAJORS

JUNIOR YEAR

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

SENIOR YEAR

SENIOR YEAR	
First Semester	Second Semester
Hrs.	Hrs.
Agricultural Education 426	Agronomy 423
6	3
Practice Teaching	Soil Conservation and Land
3	3
Education 383	Use Planning
3	3
Educational Psychology	Agricultural Engineering 313
3	3
Horticulture 343	Farm Drainage
3	3
Food Preservation	Agricultural Economics 423
3	3
Animal Husbandry 423	Farm Management
3	3
Incubation and Brooding	Horticulture 423
3	3
Animal Husbandry 343	Landscape Gardening
3	2
Farm Meats	Animal Husbandry 422
3	3
Military Science 413	Problems
3	3
Advanced	Agricultural Education 433
	3
	Special Problems
	3
	Military Science 423
	3
	Advanced
	17 or 20
<hr/>	<hr/>
18 or 21	17 or 20

* Agricultural Engineering majors take Math. 113 and 123

AGRICULTURAL ENGINEERING MAJORS

JUNIOR YEAR

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

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Agricultural Engineering 414	4	Agricultural Engineering 423	3
Farm and Home Utilities		Farm Engineers and Tractors	
Agricultural Engineering 403	3	Agricultural Engineering 443	3
Farm Motors		Terracing and Erosion Control	
Agronomy 413	3	Agricultural Engineering 463	3
Soil Science		Farm Building Construction	
Elective	7	Elective	8
Military Science 413	3	Military Science 423	3
Advanced		Advanced	
	17 or 20		17 or 20

AGRONOMY MAJORS

JUNIOR YEAR

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

SENIOR YEAR

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

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Agricultural Economics 313	3	Agricultural Economics 323	3
Cooperatives		Marketing Farm Products	3
Agricultural Economics 333	3	Agricultural Economics 343	3
Advanced Economics		Records and Accounts	
English 213	3	Sociology 413	3
Business and Professional Speech		Rural Sociology	
Agricultural Economics 353	3	Political Science 203	3
Legal Relations of the Farmer		State Government	
Political Science 263	3	Agricultural Economics 363	3
American National Government		Agricultural Credit	
Elective	2	Elective	3
Military Science 313	3	Military Science 323	3
Advanced		Advanced	
	<hr/> 17 or 20		<hr/> 18 or 21

SENIOR YEAR

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

ANIMAL HUSBANDRY MAJORS

JUNIOR YEAR

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

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Animal Husbandry 433	3	Animal Husbandry 403	3
Beef Cattle and Horse Management		Animal Breeding	
Animal Husbandry 453	3	Animal Husbandry 423	3
Animal Physiology		Animal Nutrition	
Animal Husbandry 412	2	Animal Husbandry 443	3
Meat Selection and Cuttings		Swine and Sheep Management	
Animal Husbandry 401	1	Animal Husbandry 462	2
Seminar		Fitting and Showing Livestock	
Elective	8	Elective	6
Military Science 413	3	Military Science 423	3
Advanced		Advanced	
	<hr/> 17 or 20		<hr/> 17 or 20

DAIRY HUSBANDRY MAJORS

JUNIOR YEAR

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

SENIOR YEAR

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

DAIRY MANUFACTURING

JUNIOR YEAR

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

SENIOR YEAR

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

HORTICULTURE

JUNIOR YEAR

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

SENIOR YEAR

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

ORNAMENTAL HORTICULTURE MAJOR

JUNIOR YEAR

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

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 254	4	Horticulture 483	3
Principles of Genetics		Green House Operation	
Horticulture 443	3	Plant Science 443	3
Floriculture		Plant Breeding	
Plant Science 463	3	Horticulture 463	3
Plant Nutrition		Advanced Landscape Gardening	
Elective	7	Elective	8
Military Science 413	3	Military Science 423	3
Advanced		Advanced	
	17 or 20		17 or 20

POULTRY MAJORS

JUNIOR YEAR

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

SENIOR YEAR

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

DESCRIPTION OF COURSES

AGRICULTURAL EDUCATION

111. ORIENTATION. (1-0) *Credit 1.*

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

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

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

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

426. OBSERVATION AND PRACTICE TEACHING IN AGRICULTURE. *Credit 6.*

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

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

* For second semester in Agricultural Education

AGRONOMY

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

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

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

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

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

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

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

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

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

ANIMAL HUSBANDRY

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

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

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

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

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

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

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

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

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

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

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

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

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

AGRICULTURAL ECONOMICS

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

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

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

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

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

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

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

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

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

AGRICULTURAL ENGINEERING

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

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

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

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

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

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

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

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

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

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

BIOLOGY

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

DAIRYING

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

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

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

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

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

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

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

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

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

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

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

ENTOMOLOGY

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

HORTICULTURE

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

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

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

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

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

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

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

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

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

POULTRY

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

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

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

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

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

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

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

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

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

VETERINARY SCIENCE

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

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

PLANT SCIENCE

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

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

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

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

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

VETERINARY SCIENCE

401. ANATOMY AND PHYSIOLOGY. (2-2) *Credit 3.* I. Structure and function of the organs of the body; the systems of the body; the sense organs; the reproductive organs; the endocrine system; the nervous system; the circulatory system; the respiratory system; the excretory system; the digestive system; the integumentary system.

402. HISTOLOGY AND EMBRYOLOGY. (2-2) *Credit 3.* II. The structure and function of the tissues of the body; the development of the body from the fertilized egg to the adult stage.

PLANT SCIENCE

403. PLANT PHYSIOLOGY AND ANATOMY. (2-2) *Credit 3.* I. The structure and function of the organs of the plant; the systems of the plant; the sense organs; the reproductive organs; the endocrine system; the nervous system; the circulatory system; the respiratory system; the excretory system; the digestive system; the integumentary system.

SCHOOL OF ARTS AND SCIENCES

COLLEGE OF LIBERAL ARTS

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

The first two years' work is designed to give the student a general education background and an opportunity to survey some of the general fields in the School of Arts and Sciences. 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 semester in college.

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

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

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

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

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

REQUIREMENTS FOR GRADUATION

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

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

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

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

MAJOR AND MINOR REQUIREMENTS

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

* Rural Education or Sociology 233.

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

DEGREES

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

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

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

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

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

GENERAL CURRICULUM IN THE SCHOOL OF ARTS AND SCIENCES

FRESHMAN YEAR

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

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113 (French or Spanish) Elementary French or Elementary Spanish	3	Foreign Language 123 (French or Spanish) Elementary French or Elementary Spanish	3
Elective	3	Elective (or Education 283)	3
Political Science 263	3	Political Science 203	3
American National Government		American State Government	
English 213	3	Elective	3
Public Speaking		English 223	3
Physical Education 211 (Women)	1	Introduction to Literature	
Sophomore Practice		Military Science 221 (Men) Elem.	1
Military Science 211 (Men) Elem.	1	Physical Education 221 (Women)	1
Elective (or Education 273)	3	Sophomore Practice	
	<hr/> 16		<hr/> 16

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213 (French or Spanish) Reading and Grammar	3	Foreign Language 223 (French or Spanish) Reading and Grammar	3
Physical Education Theory (or Elective)	3	Physical Education Theory (or Elective)	3
Elective (or Major)	3	Elective (or Major)	3
Military Science 313 (or Elective) Advanced	3	Military Science 323 (or Elective) Advanced	3
Elective (or Education)	3	Elective (or Education 333)	3
	<hr/> 15		<hr/> 15

SENIOR YEAR

First Semester	Hrs.
History 463 (or Elective)	3
Education (Electives)	12
Electives (or Major and Minor Work)	3
Military Science 413 and 423 (or Electives) Advanced	6
	<hr/> 30

THE DEPARTMENT OF ECONOMICS AND BUSINESS ADMINISTRATION

The Department of Economics and Business Administration offers (1) A major or minor in Economics or Business Administration, (2) A teaching major in Economics or Business Administration, and (3) A two-year course in Secretarial Science. Those persons selecting a teaching major in the department are expected to select a teaching minor outside the department.

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

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

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

SUGGESTED PROGRAM—(TEACHING) MAJORS IN BUSINESS ADMINISTRATION

FRESHMAN YEAR

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

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113	3	Foreign Language 123	3
Elementary French or Elem. Spanish		Elementary French or Elem. Spanish	
Economics 213	3	Economics 223	3
Principles of Economics		Principles of Economics	
English 213	3	English 223	3
Public Speaking		Public Speaking	
Business Administration 232	2	Business Administration 242	2
Typewriting		Typewriting	
Political Science 263	3	Political Science 203	3
National Government		National Government	
Education 273	3	Education 283	3
Pupil Growth and Development		Pupil Growth and Development	
Military Science 211	1	Military Science 221	1
Elementary or		Elementary or	
Physical Education 211	1	Physical Education 221	1
Practice		Practice	
	<hr/>		<hr/>
	19		10

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213	3	Foreign Language 223	3
Advanced Grammar and Reading	3	Advanced Grammar and Reading	3
Business Administration 253	3	Business Administration 263	3
Shorthand (Lab. Period)		Shorthand (Lab. Period)	
Business Administration 254	4	Business Administration 264	4
Principles of Accounting		Principles of Accounting	
Business Administration 282	2	Teaching Minor	3
Secretarial Practice		Education 323	3
Education 393	3	High School Curriculum	
Educational Problems			
	15		16

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Business Administration 463	3	Business Administration 343	3
Business Law		(9 Wks.) Personnel Management	
Teaching Minor	3	Teaching Minor	3
Business Administration 373	3	Education 406	6
Advanced Typing		Student Teaching	
Business Administration 423	3	Elective	3
Teaching of Business Subjects			
Education 423	3		
School and Community Relations			
	15		15

SUGGESTED PROGRAM—MAJOR IN (GENERAL)

BUSINESS ADMINISTRATION

FRESHMAN AND SOPHOMORE YEARS SAME AS REQUIRED OF STUDENTS TAKING A TEACHING MAJOR IN BUSINESS ADMINISTRATION

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213 (Fren. or Span.)....	3	Foreign Language 223 (Fren. or Span.)....	3
Advanced Grammar and Reading	3	Advanced Grammar and Reading	3
Bus. Adm. 263	3	Economics 353	3
Business Law		Statistics	
Economics 323	3	Bus. Adm. 363	3
Consumers Economics		Salesmanship	
English 213	3	English 223	3
Public Speaking		World Literature	
Elective	3	Economics 343	3
		Personnel Management	
	15		15

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Economics 453	3	Bus. Adm. 343	3
Labor Problems		Personnel Management	
Bus. Adm. 473	3	Economics 463	3
Occupational Guidance		Economic Thought	
Bus. Adm. 313	3	Elective	6
Marketing		Economics 403	3
Elective	3	Money and Banking	
Economics 413	3		
Labor Legislation			
	15		15

SUGGESTED PROGRAM FOR ECONOMICS MAJORS

FRESHMAN YEAR

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

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
English 213	3	English 223	3
Public Speaking		World Literature	
Economics 213	3	Economics 223	3
Principles of Economics		Principles of Economics	
Foreign Language 113	3	Foreign Language 123	3
Elementary French or Elementary Spanish		Elementary French or Elementary Spanish	
Natural Science 113	3	Natural Science 123	3
College Science		College Science	
Bus. Adm. 254	4	Bus. Adm. 264	4
Accounting		Accounting	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
Physical Education 211	1	Physical Education 221	1
Sophomore Practice		Sophomore Practice	
	17		17

JUNIOR YEAR

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

SENIOR YEAR

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

* Practice Teaching may be either semester.

TWO-YEAR COURSE—SECRETARIAL SCIENCE

FIRST YEAR

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

SECOND YEAR

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

DESCRIPTION OF COURSES

BUSINESS ADMINISTRATION

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

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

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

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

254-264. ACCOUNTING (3-2) *Credit 4.* I and II. Basic accounting principles and practices.

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

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

312-322. OFFICE MACHINES. (0-4) *Credit 2.* I and II. An opportunity to attain proficiency in the operation of office machines. Prerequisites: B. A. 242, 263.

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

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

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

373. **TYPEWRITING.** (0-6) *Credit 3.* I. Emphasis upon speed, accuracy, letter writing, business forms, tabulations, and manuscript writing.

423. (Educ. 333 A) **TEACHING OF BUSINESS SUBJECTS** (3-0) *Credit 3.* II. Recent trends in teaching typewriting, shorthand, use of office machines, and commercial subjects on high School level.

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

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

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

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

ECONOMICS

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

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

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

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

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

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

353. **ECONOMIC STATISTICS.** (2-2) *Credit 3.* I. Techniques of gathering, presenting, analysing and interpreting numerical data. Prerequisites: Economics 213 and 223.

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

401. SENIOR RESEARCH. (1-0) *Credit 1*. I or II. Required of all economic and business administration majors. Techniques of research; credit allowed upon satisfactory completion of student's study.

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

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

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

463. MODERN ECONOMIC THOUGHT. (3-0) *Credit 3*. II. Analysis and appraisal of recent and contemporary economists and their contribution to public policy. Prerequisite: Economics 323, 413.

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

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

DEPARTMENT OF EDUCATION

MAJOR REQUIREMENTS

Students wishing to prepare themselves for teaching in the elementary school should follow the suggested program for a major in Elementary Education. This program includes the necessary work in General Education, Professional Education (including student teaching), endorsements and electives to meet the Texas Education Agency's requirements for a Permanent Elementary Certificate. Elementary Education majors should select their minor from an area that is related to their teaching field (English, Social Studies, Sciences, Mathematics, Commercial Subjects, Music, Library Service, Health and Physical Education, etc.) They will find it valuable to be able to play simple piano accompaniments.

Students wishing to prepare themselves for teaching in the secondary school should follow the suggested program for majoring in one of the usual high school fields like Language

Arts (English), Social Studies (History), Science (General Science, Biology, Chemistry), Mathematics, Commercial Subjects, Music, Health and Physical Education, Industrial Arts, Agriculture, Homemaking Education, or Vocational Industrial Education. It is advisable to have a minor which may be used as a second teaching subject.

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

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

MINOR REQUIREMENTS

A minor in Elementary Education has the prerequisite of a teaching major in some content field or at least the Professional core (Education 273-283, Education 393, Education 423 and Methods).

The required eighteen semester hours for a minor in Elementary Education are as follows:

Art Education 253-263	6
Elementary School Art	
Music 253-263	6
Elementary School Music	
Education 473	3
Elementary School Sciences	
Education 463	3
Elementary School Reading and Literature	

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SUGGESTED PROGRAM FOR A MAJOR IN ELEMENTARY EDUCATION

FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
English 113	3	English 123	3
Grammar and Composition		Reading and Composition	
Orientation 103	3	Geography 173	3
General Orientation		Economic Geography	
Social Science 113	3	Social Science 123	3
Introduction to Social Science or		Man and Society	
History 113	3	Mathematics 183	3
European 1500-1815		Applied Mathematics	
Mathematics 173	3	Natural Science 123	3
Applied Mathematics or		College Science	
Mathematics 113	3	Physical Education 121 (Women)	3
College Algebra		Freshman Practice or	
Natural Science 113	3	Military Science 121 (Men)	1
College Science		Elementary	
Physical Education 111 (Women)	3	Industry	2
Freshman Practice or			
Military Science 111 (Men)	1		
Elementary			
Industry	2		

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SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113	3	Foreign Language 123	3
Elementary French or Elementary Spanish		Elementary French or Elementary Spanish	
English 213	3	English 223	3
Public Speaking		World Literature	
Music 253	3	Music 263	3
Elementary School Music		Elementary School Music	
Art Education 253	3	Art Education 263	3
Elementary School Art		Elementary School Art	
Education 273	3	Education 283	3
Pupil Growth and Development		Pupil Growth and Development	
Physical Education 211 (Women)		Physical Education 221 (Women)	
Sophomore Practice or		Sophomore Practice or	
Military Science 211 (Men)	1	Military Science 221 (Men)	1
Elementary			
	16		16

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Political Science 263	3	Political Science 203	3
American National Government		American State Government	
Physical Education (Theory) 223	3	Physical Education (Theory) 233	3
Personal Hygiene		Methods and Materials for Teaching Health and Physical Education in Elementary Schools	
Education 393	3	Education 473	3
Educational Problems		Elementary School Science	
Education 363	3	Education 483	3
Elementary School Curriculum		Elementary School Social Studies	
Education 453	3	Education 463	3
Teaching the Tool Subject		Elementary School Reading and Literature	
Military Science 313 (Men)	3	Military Science 323 (Men)	3
Advanced or		Advanced or	
Elective		Elective	
	15 or 18		15 or 18

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Education 423	3	Electives (Minor)	12
School and Community Relations		Military Science 423 or Elective	3
Education 306	6	Advanced	
Student Teaching in Elem. Schools			
Military Science 413 or Elective	3		
Advanced			
Elective	3		
	15		15

SUGGESTED ELECTIVES

Education 443	3	History 453	3
Tests and Measurements		Contemporary U. S. History	
English 303	3	Sociology 303	3
Journalism		The Family	
Sociology 213-223	6	Physical Education 261	1
Introductory		Folk Dancing	
Biology 134	4		
General Botany			

DESCRIPTION OF COURSES

ORIENTATION

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

PSYCHOLOGY

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

EDUCATION

MUSIC 253-263. ELEMENTARY SCHOOL MUSIC METHODS. (6-0) *Credit 6.* (Both semesters). Grade school music methods and materials; care and development of child voice.

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.

ART EDUCATION 253-263. ELEMENTARY SCHOOL ART. (6-0) *Credit 6.* (Both semesters). Elements and principles of art as forms of creative expression in relation to the child, to the classroom and in connection with the entire school curriculum; techniques in developing creative ability.

273-283. PUPIL GROWTH AND DEVELOPMENT. (6-0) *Credit 6.* (Both semesters) Comprehensive study of pupil growth and development from conception through maturity; scientific understandings about physical, motor, language, emotional, social and intellectual development as they affect the learning process.

293. CLASSROOM MANAGEMENT. (3-0) *Credit 3.* II. Classroom organization and control.

303-306. STUDENT TEACHING (Elementary School). *Credit 3 or 6.* Prerequisites: A "B" average in Education 273-283, Education 263, Education 393, and all required methods courses for a major in Elementary Education. I and II. Supervised on-campus and off-campus student teaching. The application for admission to the student teaching program is to be filed with the Head of the Department of Education at least two months prior to the opening of the semester in which the student desires a student teaching assignment.

313. PRINCIPLES OF SECONDARY EDUCATION. (3-0) *Credit 3.* Prerequisites: Education 273-283. I and II. Development of secondary school and its organizations.

323. HIGH SCHOOL CURRICULUM. (3-0) *Credit 3.* Prerequisites: Education 273-283. I. Principles of the organization, and construction of the high school curriculum and methods for its implementation.

333. TEACHING HIGH SCHOOL SUBJECTS. (3-0) *Credit 3.* Prerequisites: Education 273-283. I or II.

- A. Teaching Business Subjects in the High School (See Business Administration 423—Teaching Business Subjects).
- B. Teaching English in the High School (See: English 462—Teaching of English)
- C. Teaching Mathematics in the High School (See: Mathematics 443—Methods of Teaching Mathematics) in Elementary and High Schools
- D. Teaching Music in the High School (See: Music 383—High School Methods)
- E. Teaching Science in the High School (See: Biology 333 or 733 or Chemistry—Materials and Methods for Science Students)
- F. Teaching Physical Education in the High School (See: Physical Education 343—Methods and Materials in Physical Education).
- G. Teaching Social Studies in the High School (See: Sociology 383: Methods of Teaching Social Studies in the High School).

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.

363. ELEMENTARY SCHOOL CURRICULUM. (3-0) *Credit 3.* Prerequisite: Education 273-283. I. Encompasses the all-round growth of children; the acquisition of skills, attitudes, ideals, interest, concepts, and information that will help children to improve their adjustment.

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.

393. EDUCATIONAL PROBLEMS. (3-0) *Credit 3.* Prerequisite: Education 273-283. I. Application of educational principles to the theoretical and practical problems involved in elementary and secondary school teaching.

403-406. STUDENT TEACHING (Secondary School). *Credit 3-6.* Prerequisites: Education 273-283, Education 393, High School Methods Courses and recommendation of major advisor. I and II. Supervised on-campus and off-campus student teaching. Students should make application for admission to supervised student teaching two months prior to time of teaching assignment.

423. SCHOOL AND COMMUNITY RELATIONS. (3-0) *Credit 3.* Restricted to student teachers. I and II. Problems of daily program making that grow out of the interaction between the community (rural and urban) and the school. (A nine weeks course).

433. SCIENCE AND ART OF TEACHING. (3-0) *Credit 0-3.* I and II. Required of students in Education 303, 306 or 403, 406. Lectures and demonstrations by supervising teachers.

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

453. TEACHING THE TOOL SUBJECTS. (3-0) *Credit 3.* Prerequisites: Education 273-283. Methods and materials in teaching the tool subjects, reading, writing and arithmetic; the integrated language arts program is included.

463. ELEMENTARY SCHOOL READING AND LITERATURE. (3-0) *Credit 3.* Prerequisites: Education 273-283, Education 363, and Education 393. Methods and materials used in directing learning to read; increasing abilities, improving interests and taste, and evaluation of reading program.

473. ELEMENTARY SCHOOL SCIENCE. (3-0) *Credit 3.* Prerequisite: Education 273-283, Education 363, and Education 393. Actual experiences in making science more meaningful through use of community resources and understanding basic science concepts; methods of teaching, selecting and organizing subject matter, laboratory experiences and individual projects.

483. ELEMENTARY SCHOOL SOCIAL STUDIES. (3-0) *Credit 3.* Prerequisite: Education 273-283, Education 363, and Education 393. Improving social living emphasis upon the place of democratic values and processes, purposes, content and organization of subject matter, development of materials with experiences as a continuous process in appraising the child's learning in terms of social experiences.

DEPARTMENT OF ENGLISH

MAJOR REQUIREMENTS

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

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

MINOR REQUIREMENTS

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

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

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

SUGGESTED FOUR-YEAR PROGRAM FOR A MAJOR IN ENGLISH

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

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113	3	Foreign Language 123	3
Elementary French or Elementary Spanish		Elementary French or Elementary Spanish	
Political Science 263	3	Political Science 203	3
American National Government		American State Government	
Physical Education (Theory) 223	3	English 223	3
Introduction to Physical Education		World Literature	
Phys. Ed. Practice 211 (Women)	1	Physical Ed. 221 (Women)	1
Sophomore Practice		Sophomore Practice	
Military Science (Men) 211	1	Military Science (Men) 221	1
Elementary		Elementary	
English 213	3	Education 283	3
Public Speaking		Pupil Growth and Development	
Education 273	3	Physical Education 203	3
Pupil Growth and Development		Personal Hygiene	
	16		16

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Physical Education 403	3	Foreign Language 223	3
Playground and Community Recreation		Reading and Grammar Review (French) Advanced Grammar and Reading (Spanish)	
Foreign Language 213	3	English 363	3
Advanced Grammar and Reading		American Literature	
English 303	3	English 343	3
Journalism		Victorian Literature	
English 353	3	Elective	3
The English Language		Education 423	3
Education 393	3	School and Community Relations	
Educational Problems			
	15		15

SENIOR YEAR

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

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

DESCRIPTION OF COURSES

ENGLISH

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

463. Equivalent to Ed. 333. TEACHING OF ENGLISH. (3-0) *Credit 3*. II. Methods and materials in teaching of English in junior and senior high schools; limited opportunity for observation and practice teaching. Credit recorded as work in Education. Available only to seniors.

DEPARTMENT OF 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.

Those who desire a teaching major in the Social Sciences should follow the suggested program for Social Science majors. A minimum of 12 semester hours in history is required. Suggested courses from allied Social Sciences are listed in the program.

Those desiring a minor in the Social Sciences must have at least 18 hours in the social sciences including 6 hours in American History, Sociology 263, Sociology 343, Economics 213 and Economics 223.

Departmental Ruling on Academic Standing. In the interest of the maintenance of the proper academic standards, the Department has ruled that all students majoring or minoring in this department must maintain in the lower college courses of the Department (Freshman and Sophomore) the average of "C" and in the upper college courses (Junior and Senior) the average of "B."

SUGGESTED PROGRAM FOR HISTORY MAJORS

FRESHMAN YEAR

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

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113	3	Foreign Language 123	3
Elem. French or Spanish		Elem. French or Spanish	
**Political Science 213	3	Sociology 263	3
Political Parties and Electoral Prac.		General Sociology	
Political Science 263—National Gov.	3	Political Science 203	3
History 213—The United States	3	State Government	
Military Science 211 (Men)—Elem.	1	Economics 203	3
Physical Education (Women) 211	1	Survey of Economics	
Sophomore Practice		Military Science 221 (Men)—Elem.	1
Economics 173	3	Physical Education (Women) 221	1
Economic Geography		Sophomore Practice	
	16	Economics 183—Economic Geography	3
			16

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213	3	Foreign Language 223	3
Advanced Grammar and Reading	3	Advanced Grammar and Reading	3
English 213	3	English 223	3
Public Speaking	3	World Literature	3
**History 303	3	*Political Science 313	3
England 1485 to Present	3	Principles of Political Science	3
Elective (Minor)	3	**History 323	3
**History 313	3	The New South 1865	6
Sectionalism and the Civil War	3	**Electives (Minor)	3
*History 333	3	*History 363	3
American Foreign Relations	3	Historical Methods	3
*History 433	3	*History 503	3
Economic History of the U. S.	3	History of the Far East	3
1492 to Present	3	Military Science 323	3
Military Science 313	3	Advanced	3
Advanced	3		
	15 or 18		15 or 18

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
*History 423	(3)	*History 373	(3)
Seminar in American History	(3)	Problems in Latin American History	3
*History 353	(3)	**History 453	3
Europe 1419 to Present	2	Contemporary United States	3
History 402	2	Political Science 403	3
Historical Investigative Paper	3	Seminar in International	3
History 463	3	Organizations	3
History of the Negro in America	4	Electives Minor	(9)
*Electives (Minor)	4	Military Science 423	3
**Electives (Minor)	10	Advanced	3
Military Science 413	3		
Advanced	3		
	15 or 18		15 or 18

SUGGESTED PROGRAM FOR SOCIAL SCIENCE MAJORS

FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Orientation 103	3	Economics 173 or 183	3
English 113	3	Geography	3
Grammar and Composition	3	English 123	3
Mathematics 173	3	Reading and Composition	3
Elements of Applied Mathematics	3	Mathematics 183	3
History 143	3	Elements of Applied Mathematics	3
Survey of Western Civilization,	3	History 153	3
to 1715	3	Survey of Western Civilization,	3
Natural Science 113	3	1715 to Present	3
College Science	3	Natural Science 123	3
Military Science 111 (Men)	1	College Science	3
Elementary or	1	Military Science 121 (Men)	1
Physical Education (Women) 111	1	Elementary or	1
Freshman Practice	1	Physical Education (Women) 121	1
	16		16

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113	3	Foreign Language 123	3
French or Spanish	3	French or Spanish	3
Education 273	3	Political Science 203	3
Pupil Growth and Development	3	State Government	3
Political Science 263	3	Education 283	3
National Government	3	Pupil Growth and Development	3
History 213	3	History 223	3
United States 1492-1865	3	United States 1865 to Present	3
English 213	3	English 223	3
Public Speaking	3	Introduction to Literature	3
Military Science 211 (Men)	1	Military Science 221 (Men)	1
Elementary or	1	Elementary or	1
Physical Education 211 (Women)	1	Physical Ed. 221 (Women)	1
Sophomore Practice	1	Sophomore Practice	1
	16		16

* Odd year

** Even year

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213	3	Foreign Language 223	3
French or Spanish		French or Spanish	
Health Education 203	3	Sociology 263	3
Personal Hygiene		General Sociology	
Political Science 433	3	Elective (Minor) or Education 333	3
American Foreign Relations		High School Curriculum	
Economics 213	3	Economics 223	3
Principles		Problems	
Elective (Minor) or Education 313	3	Minor	3
Problems		Military Science 323 (Elective) (Men) ...	3
Military Science 313 (Elective) (Men) ...	3	Advanced	
Advanced			
	18		18

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
History 353	3	Health Education 353	3
Recent Europe		Public School and Community	
Sociology 383	3	Hygiene or	
Teaching Social Studies or		Sociology 343	
Education 333	3	Modern Social Problems	
Education 443 (Elective)	3	Education 423	3
Tests and Measurements		School and Community	
(Elective) Minor	6	History 463	3
Military Science 413 (Elective) (Men) ...	3	Negro History or	
Advanced		Sociology 323	
		Race Relations	
		Education 406	6
		High School Practice Teaching	
		Military Science 423 (Elective) (Men) ...	3
		Advanced	
	18		18

DESCRIPTION OF COURSES

EUROPEAN HISTORY

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

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

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

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

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

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

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

AMERICAN HISTORY (GENERAL)

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

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

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

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

AMERICAN HISTORY (REGIONAL AND SPECIAL)

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

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

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

SPECIAL AND MISCELLANEOUS

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

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

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

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

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

HISTORY OF THE NEGRO

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

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

POLITICAL SCIENCE

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

POLITICAL SCIENCE MAJORS

FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Education 103 (Orientation)	3	English 123	3
English 113	3	Reading and Composition	3
Grammar and Composition	3	Economics 173	3
History 143	3	Geography	3
Survey of Western Civilization to 1715	3	History 153	3
Natural Science 113	3	Survey of Western Civilization, 1715 to Present	3
College Science	3	Mathematics 183 or 123	3
Mathematics 173 or 113	3	Elements of Applied Math. or Trigonometry	3
Elements of Applied Mathematics or College Algebra	3	Natural Science 123	3
Military Science (Men) 111	1	College Science	3
Elementary	1	Military Science 121 (Men)	1
Physical Ed. Practice 111 (Women)	1	Elementary	1
Freshman Practice	1	Physical Ed. Practice 121 (Women)	1
Industry	2	Freshman Practice	1
		Industry	2
	18		18

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113	3	Foreign Language 123	3
Elementary French or Elementary Spanish		Elementary French or Elementary Spanish	
Sociology 263	3	Economics 203	3
General Sociology		Survey of Economics	
Political Science 263	3	Political Science 203	3
American National Government		American State Government	
Political Science 213	3	History 223 (Elective)	3
Political Parties and Electoral Practices		The United States	
History 213 (Elective)	3	Political Science 243	3
The United States		Municipal Administration	
Military Science 211 (Men)	1	Military Science 221 (Men)	1
Elementary or		Elementary or	
Physical Ed. Practice 211 (Women)	1	Physical Ed. Practice 221 (Women)	1
	<hr/>		<hr/>
	16		16

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213	3	Foreign Language 223	3
Grammar Review and Methods (French) or Advanced Grammar and Reading (Spanish)		Grammar Review and Methods (French) or Advanced Grammar and Reading (Spanish)	
English 213	3	English 223	3
Public Speaking		World Literature	
Health Education 203	3	Health Education 353	3
Personal Hygiene		Public School and Community Hygiene	
Political Science 363	3	Political Science 303	3
Bibliography and Methods of Research		Political Theory or	
Military Science 313	3	Political Science 313	3
Advanced		Introduction to Political Science	
		Military Science 323	3
		Advanced	
		Political Science 423	3
		American Constitutional Law	
	<hr/>		<hr/>
	15 or 18		15 or 18

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Political Science 433	3	Political Science 433	3
American Foreign Relations		American Foreign Relations	
Negro History 463	3	Political Science 403	3
Education (Including Practice Teaching)	9	Seminar in International Organizations	
Military Science 413	3	Political Science 453	3
Advanced		Seminar in Problems of Imperialism	
		Electives	6
		Military Science 423	3
		Advanced	
	<hr/>		<hr/>
	15 or 18		15 or 18

DESCRIPTION OF COURSES

I. AMERICAN GOVERNMENT

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

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

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

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

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

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

II. POLITICAL PARTIES

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

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

III. FOREIGN GOVERNMENT

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

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

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

IV. METHODOLOGY AND THEORY

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

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

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

V. PUBLIC ADMINISTRATION

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

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

VI. INTERNATIONAL LAW AND RELATIONS

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

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

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

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

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

PHILOSOPHY

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

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

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

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

LIBRARY SERVICE EDUCATION

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

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

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

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

SUGGESTED PROGRAM FOR A COMBINED MAJOR IN LIBRARY SERVICE AND EDUCATION

FRESHMAN YEAR			
First Semester	Hrs.	Second Semester	Hrs.
English 113—Grammar and Composition ..	3	English 123—Reading and Composition ..	3
Education 103—Orientation	3	Education 113—Introduction to Ed.	3
Social Science 113 or (Hist. 113)	3	Mathematics 183 or 123	3
Introduction of the Social Sciences or		Elements of Applied Mathematics or	
(Europe 1500-1815)	3	Trigonometry	3
Mathematics 173 or 113	3	Social Science 123	3
Natural Science 113	3	Introduction to the Social Sciences ..	3
Phys. Ed. (Women) 111	1	Natural Science 123	3
Freshman Practice or		College Science	
Military Sci. (Men) 111—Elementary	1	Phys. Ed. (Women) 121	1
Industry	2	Freshman Practice or	
		Military Science (Men) 121	1
		Elementary	
		Industry	2
	18		18
SOPHOMORE YEAR			
First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113 (French or		Foreign Language 123 (French or	
Spanish)	3	Spanish)	3
Elementary French or Elementary		Elementary French or Elementary	
Spanish	3	Spanish	3
Rural Studies (Ed. 223 or Soc. 233)	3	Education 233	3
Problems of the Rural Teacher or		Elementary School Methods and	
Rural Sociology)	3	Materials	3
Political Science 263	3	Political Science 203	3
American National Government	3	American State Government	3
Library Service-Education 213	3	Library Service-Education 223	3
The Library in the School	3	The Library in the School	3
Physical Ed. (Theory) 223	3	Physical Ed. (Theory) 233	3
Introduction to Phy. Ed.		Playground and Community	
Military Science 211 (Men)	1	Recreation	
Elementary or		Military Science 221 (Men)	1
Physical Ed. 211 (Women)	1	Elementary or	
Sophomore Practice	1	Physical Ed. 221 (Women)	1
	16	Sophomore Practice	
			16

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213 (French or Spanish)	3	Foreign Language 223 (French or Spanish)	3
Reading and Grammar Review or Advanced Grammar and Reading	3	Reading and Grammar Review or Advanced Grammar and Reading	3
Library Service-Education 313	3	English 223—World Literature	3
English 213—Public Speaking	3	Library Service-Education 323	3
Administration of School Libraries	3	Administration of School Libraries	3
Education 273	3	Education 333—Classroom Management... ..	3
Pupil Growth and Development	3	Military Science 323—Advanced	3
Military Science 313—Advanced	3	Minor	3
Minor	3		
	15 or 18		15 or 18

SENIOR YEAR

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

DESCRIPTION OF COURSES

LIBRARY SERVICE EDUCATION

213. THE LIBRARY IN THE SCHOOL. (3-0) *Credit 3*. I. Service practices for children and young people; survey of books by age, psychological and social levels; selection of book materials and audio-visual aids; reading guidance.

223. THE LIBRARY IN THE SCHOOL. (3-0) *Credit 3*. II. Continuation of Library Service-Education 213.

313. ADMINISTRATION OF SCHOOL LIBRARIES. (3-0) *Credit 3*. I. Library services as related to school objectives and program; organization and administration of libraries and library materials; professional aspects of librarianship.

323. ADMINISTRATION OF SCHOOL LIBRARIES. (3-0) *Credit 3*. II. Continuation of Library Service-Education 313 with emphasis on ordering, cataloging, classifying, and library accounting procedures.

333. SCHOOL LIBRARY REFERENCE MATERIALS AND TOOLS. (3-0) *Credit 3*. I. Types of reference methods, techniques, services; organization for reference services.

343. EXPERIENCE WORK IN LIBRARY METHODS IN SELECTED LIBRARIES. (3-0) *Credit 3*. II.

DEPARTMENT OF MATHEMATICS

MAJOR REQUIREMENTS

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

MINOR REQUIREMENTS

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

SUGGESTED PROGRAM FOR A MAJOR IN MATHEMATICS

FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Education 103	3	English 123	3
Orientation		Reading and Composition	
English 113	3	Education 113	3
Grammar and Composition		Introduction to Education	
Social Science 113	3	Social Science 123	3
Introduction to the Social Sciences		Introduction to the Social Sciences	
Natural Science 113	3	Natural Science 123	3
College Science		College Science	
Mathematics 113	3	Mathematics 123	3
College Algebra		Trigonometry	
Physical Education (Women) 111 or	1	Physical Education 121 (Women) or	1
Military Science 111 (Men)	1	Military Science (Men) 121	1
Elementary		Elementary	
Industry	2	Industry	2
	<hr/>		<hr/>
	18		18

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Mathematics 213	3	Mathematics 223	3
Analytical Geometry		Differential Calculus	
Political Science 263	3	Political Science 203	3
American National Government		American State Government	
Foreign Language 113	3	Foreign Language 123	3
Elementary French or		Elementary French or	
Elementary Spanish		Elementary Spanish	
Education 273	3	Education 283	3
Pupil Growth and Development		Pupil Growth and Development	
Physical Education (Theory)	3	Minor	3
Introduction to Physical Education		Physical Education Prac. 221 (Women)	
Physical Ed. Prac. 211 (Women) or	1	or Military Science (Men) 221	1
Military Science (Men) 211	1	Elementary	
Elementary			<hr/>
	<hr/>		16
	16		

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213	3	Foreign Language 223	3
Reading and Grammar Review		Reading and Grammar Review	
(French) or Advanced Grammar		(French) or Advanced Grammar	
and Reading (Spanish)		and Reading (Spanish)	
English 213	3	English 223	3
Public Speaking		World Literature	
Mathematics 313	3	Mathematics 323	3
Integral Calculus		Intermediate Calculus	
Mathematics 343	3	Mathematics 413	3
Solid Analytical Geometry		Theory of Equations	
Education 323	3	Education 333C	3
High School Curriculum		Methods of Teaching Mathematics in	
Military Science 313	3	the High School	
Advanced		Military Science 323	3
	<hr/>	Advanced	
	15 or 18		<hr/>
			15 or 18

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Education 406 or 306	6	Mathematics 363	3
Practice Teaching		College Geometry	
Education Elective	6	Physical Education Theory	3
Elective	3	Philosophy	3
Military Science 413	3	Elective	3
Advanced		Military Science 423	3
	<hr/>	Advanced	
	15	Physics (Elective)	3
			<hr/>
			15

DESCRIPTION OF COURSES

MATHEMATICS

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.

193. ADVANCED PLANE GEOMETRY. (3-0) *Credit 3*. More advanced topics on Euclidean plane geometry.

213. ANALYTICAL GEOMETRY. (3-0) *Credit 3*. I. The point, the straight line, and the conic sections.

223. DIFFERENTIAL CALCULUS. (3-0) *Credit 3*. II. The differentiation of algebraic and transcendental functions with applications.

313. INTEGRAL CALCULUS. (3-0) *Credit 3*. I. Evaluating ordinary integrals and their application to practical problems.

323. INTERMEDIATE CALCULUS. (3-0) *Credit 3*. Selected topics beyond 223 and 313.

343. SOLID ANALYTICAL GEOMETRY. (3-0) *Credit 3*. II.

363. COLLEGE GEOMETRY. (3-0) *Credit 3*.

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 the applications.

353. METHODS OF TEACHING MATHEMATICS IN THE HIGH SCHOOL. (3-0) *Credit 3*. II. See Department of Education (Education 333C).

DEPARTMENT OF MUSIC

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

The Program—

1. To be a vital one functioning in keeping with the present trends of philosophy and practice in music education; providing the educational preparation and technical skill required of those who are planning to become teachers, performers or composers; and having meaning for those who are non-professional devotees of music.
2. To develop in the student those musical potentialities which may be latent and not as yet recognized.
3. To provide a more complete integration of music subject matter and other phases of the college curricula, with special emphasis on the inclusion of musical performance in the actual teaching situation.

MAJOR REQUIREMENTS

The degree of Bachelor of Science with a major in music is offered for the completion of 133 semester hours in the prescribed curriculum of music education with emphasis upon one of the applied fields. The minimum music requirement for the degree is 54 hours.

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

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

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

MINOR REQUIREMENTS

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

OTHER REQUIREMENTS

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

MUSIC ORGANIZATIONS

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

HONORARY SOCIETY

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

COURSE SUMMARY OF MUSIC MAJOR REQUIREMENTS

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

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COURSE SUMMARY OF MUSIC MINOR REQUIREMENTS

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

24

YEARLY DISTRIBUTION OF MINOR REQUIREMENTS

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

SUGGESTED PROGRAM FOR A MAJOR IN MUSIC

FRESHMAN YEAR			
	Hrs.	Second Semester	Hrs.
First Semester		English 123	3
English 113	3	Reading and Composition	
Grammar and Composition		Brasses 132 or Woodwinds 132	2
Education 103	3	Mathematics 183	3
General Orientation		Bus. Applied Math.	
Mathematics 173	3	Piano 122	2
Business Applied Mathematics		Elementary Piano	
Piano 112	2	Music 142	2
Elementary Piano		Voice Meth. Class	
Music 153	3	Music 172	2
Music Fundamentals		Aural Theory—Elem. Solf.	
Military Science (Men) 111	1	Music 162	2
Elementary or		Elementary Harmony	
Physical Education (Women) 111	1	Military Science (Men) 121	1
Freshman Practice		Elementary or	
Choir 112	2	Physical Ed. (Women) 121	1
Choral Practice		Freshman Practice	
Music 411	1	Choir 122	2
Perspectives in Music		Choral Practice	
		Music 421	1
		Perspectives in Music	
	18		20

SOPHOMORE YEAR			
	Hrs.	Second Semester	Hrs.
First Semester		Foreign Language 123	3
Foreign Language 113	3	Elementary French or	
Elementary French or		Elementary Spanish	
Elementary Spanish		Government 203	3
Government 263	3	State Government	
National Government		Piano 222	2
Piano 212	2	Intermediate Piano	
Intermediate Piano		Music 262	2
Music 252	2	Aural Theory—Intermediate Solf.	
Aural Theory—Intermediate Solf.		Music 262	2
Music 252	2	Written Theory—Inter. Har.	
Written Theory—Inter. Har.		Education 283	3
Education 273	3	Pupil Growth and Development	
Pupil Growth and Development		Woodwinds 132 or Brasses 132	2
Strings 132	2	Military Science (Men) 221	1
String Class		Elementary or	
Military Science (Men) 211	1	Military Science (Men) 221	1
Elementary or		Sophomore Practice	
Physical Ed. (Women) 211	1	Choir 222	2
Sophomore Practice		Choral Practice	
Choir 212	2	Music 441	1
Choral Practice		Perspectives in Music	
Music 431	1		
Perspectives in Music			
	21		21

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
English 213	3	English 223	3
Public Speaking		Introduction to Literature	
Foreign Language 213	3	Foreign Language 223	3
Reading and Composition		Reading and Composition	
Science 113	3	Science 123	3
College Science		College Science	
Education 273	3	Education 293	3
Pupil Growth and Development		Classroom Management	
Piano 312	2	Piano 322	2
Advanced Piano		Advanced Piano	
Music 373	3	Music 383	3
Elementary School Methods		High School Methods	
Choir 312	2	Choir 322	2
Choral Practice		Choral Practice	
Music 451	1	Music 461	1
Perspectives in Music		Perspectives in Music	
Military Science 313	3	Military Science 323	3
Advanced		Advanced	
		Music 332	2
		Conducting	
	20		22

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Music 393	3	Education 406 or 306	6
Instrumental Music Education		Practice Teaching	
Percussion 132	2	Phy. Ed. Theory 403	3
Percussion Class		Playground and Community Rec.	
Physical Education Theory 203	3	Education 433	3
Personal Hygiene		Science and Art of Teaching	
Music 013	3	Choir 422	2
Music History		Choral Practice	
Choir 412	2	Music 481	1
Choral Practice		Perspectives in Music	
Music 471	1	Social Science 123	3
Perspectives in Music		Introduction to Social Science	
Social Science 113	3		
Introduction to Social Science			
	17		18

DESCRIPTION OF COURSES

PREPARATORY

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

MUSIC LITERATURE, HISTORY AND APPRECIATION

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

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

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

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

MUSIC THEORY

062. ANALYSIS OF FORM. (2-0) *Credit 2.* I or II. Practical analysis of simple and intermediate forms, and of eighteenth and nineteenth century harmony as illustrated in the works of such composers as Mendelssohn, Haydn, Mozart, Beethoven and Schubert. Prerequisite: Aural Theory 162-252 and Written Theory 162- 252.

FUNDAMENTALS 153. *Credit 3.* The study of notes, note values, rhythms, scale construction, chord construction and transposition.

AURAL THEORY 162. ELEMENTARY SIGHT SINGING AND EAR TRAINING. (2-0) *Credit 2.* Drill in aural recognition and vocal execution of scales and intervals; sight reading in the Treble and Bass clefs; simple melodic dictation in the treble clef.

WRITTEN THEORY 162. ELEMENTARY HARMONY. (2-0) *Credit 2.* Harmonic phenomena of tones through scales, intervals and chords, and chordal progression; general harmonizations through the secondary triads.

AURAL THEORY 252. INTERMEDIATE SIGHT SINGING AND EAR TRAINING. (2-0) *Credit 2.* Drill in aural recognition of chords and intervals; the introduction of simple embellishments; vocal execution of technical exercises of moderate difficulty; melodic dictation in the bass and treble clefs.

WRITTEN THEORY 252. INTERMEDIATE HARMONY. (2-0) *Credit 2.* Harmonizations through the inversions of the Dominant Seventh Chord; simple harmonic dictation on materials related to the course; analysis of chorals of Bach and simple hymn tunes.

AURAL THEORY 262. INTERMEDIATE SIGHT SINGING AND EAR TRAINING. (2-0) *Credit 2.* Vocal execution of intervals and embellishments, and melodic and harmonic dictation in the soprano, mezzo soprano, alto and tenor clefs.

WRITTEN THEORY 262. INTERMEDIATE HARMONY. (2-0) *Credit 2.* Secondary sevenths through the Neapolitan sixth chord, including the analysis of representative materials from the eighteenth and nineteenth centuries; continuation of harmonic dictation.

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

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

AURAL THEORY 352. ADVANCED SIGHT SINGING AND EAR TRAINING. (2-0) *Credit 2.* Advanced work in singing intervals and embellishments; melodic and harmonic dictation involving transposition and modulation in all seven clefs.

WRITTEN THEORY 352. ADVANCED HARMONY. (2-0) *Credit 2.* Augmented sixth chords through chromatic alterations in general; and some modern harmony; analysis of works from the nineteenth and twentieth centuries; harmonic dictation continued.

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

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

APPLIED MUSIC

ELEMENTARY COURSES

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

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

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

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

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

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

INTERMEDIATE COURSES

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

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

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

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

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

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

ADVANCED COURSES

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

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

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

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

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

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

METHODS AND MATERIALS

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

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

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

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

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

253-263. ELEMENTARY SCHOOL METHODS. (Elementary Education Majors). (6-0) *Credit 6.* (Both semesters). Grade school music methods and materials, care and development of the child voice.

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

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

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

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

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

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

MUSIC ENSEMBLES

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

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

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

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

DEPARTMENT OF NATURAL SCIENCE

The Department of Natural Science includes Chemistry, Physics, Biology and Science. Each section has a chairman and its respective requirements for major and minor students.

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

PREPROFESSIONAL STUDIES IN THE MEDICAL SCIENCES

Students who plan a career in Medicine, Dentistry, Veterinary Medicine or any of the Medical Sciences are advised to follow the course of study outlined for a major in biology or chemistry.

Students will be advised by the Premedical advisory committee. Announcements of the Medical College admission tests and the Dental Aptitude tests will be announced prior to the dates they will be given.

SCIENCE

* 113-123. College Science. (3-0) Credit 3. I and II.

A course designed to give students an orientation in science; To cultivate scientific attitudes and methods of procedure; seeks to broaden concepts, generalizations and outlook; to open new avenues of interest and satisfaction; to enable the individual to meet the problems of existence with available knowledge and requisite skills and to develop scientific appreciation.

In addition to the text, the course provides special lectures by the instructor and by other specialists in the various fields of science.

BIOLOGY

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

DEPARTMENT OF BIOLOGY

MAJOR REQUIREMENTS

For the degree of Bachelor of Science with a major in biology, a minimum of 34 semester hours is required. Courses are prescribed as follows:

Biology 115, 125—General Zoology	10 hours
Biology 134—General Botany	4 hours
Biology 314, 324—Human Physiology	8 hours
Biology 414—Vertebrate Embryology	4 hours
Biology 424—Comparative Vertebrate Anatomy	4 hours
Elective in Biology (advanced level)	4 hours

In addition to the above requirements for a major each person is required to present in thesis form the result of a scientific investigation; Biology 343—Teaching of High School Science (for those who plan to teach), which is counted as Education, and the following courses:

Biology 451, 452—Research	2 hours
Biology 502—Laboratory Technique	2 hours
Chemistry 115, 125—General Inorganic Chemistry	10 hours
Physics 115, 125—General Physics	10 hours

MINOR REQUIREMENTS

For a minor in biology, twenty-two semester hours in addition to Biology 343 Teaching of High School Science (for those who plan to teach), which counts as Education, are necessary. The courses are prescribed as follows:

Biology 115, 125—General Zoology	10 hours
Biology 134—General Botany	4 hours
Biology 314, 324—Human Physiology	8 hours

In addition to the twenty-two semester hours each minor of Biology must present the following courses:

Chemistry 114, 124—General Chemistry	8 hours
Biology 502—Laboratory Technique	2 hours

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

SUGGESTED OUTLINE FOR A MAJOR IN BIOLOGY

FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 115	5	Biology 125	5
General Zoology		General Zoology	
English 113	3	English 123	3
Grammar and Composition		Reading and Composition	
Mathematics 113	3	Mathematics 123	3
College Algebra		Trigonometry	
Orientation 103	3	Education (elective)	3
Social Science 113	3	Social Science 123	3
Introduction to Social Science or		Introduction to Social Science or	
History 113	3	History 123	3
European		European	
Physical Ed. Practice 111 (Women)	1	Physical Ed. Practice 121 (Women)	1
Freshman Practice or		Freshman Practice or	
Military Science 111 (Men)	1	Military Science 121 (Men)	1
Elementary		Elementary	
	18		18

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 314	4	Biology 324	4
Human Physiology		Human Physiology	
Chemistry 115	5	Chemistry 125	5
General Inorganic Chemistry		General Inorganic Chemistry	
Education (Elective)	3	Education (Elective)	3
English 213	3	English 223	3
Public Speaking		World Literature	
French 113	3	French 123	3
Elementary French		Elementary French	
Physical Ed. 211 (Women)	1	Physical Ed. 221 (Women)	1
Sophomore Practice or		Sophomore Practice or	
Military Science 211 (Men)	1	Military Science 221 (Men)	1
		Biology 502	2
		Laboratory Technique	
	19		21

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 414	4	Biology 424	4
Vertebrate Embryology		Comparative Anatomy	
French 213	3	French 223	3
Reading and Grammar Review		Reading and Grammar Review	
Minor (Elective)	3	Education (Elective)	3
Physics 214	4	Physics 224	4
General Physics		General Physics	
Political Science 263	3	Political Science 203	3
National Government		State Government	
Military Science 313 (Men)	3	Military Science 323 (Men)	3
Advanced		Advanced	
Biology 502	2		
Laboratory Technique			
	19		17

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 134	4	Biology 333E	3
General Botany		Teaching High School Science	
Elective in Major Field	4	Elective	3
Education (Elective)	6	Education 406	6
Minor	3	Student Teaching	
Military Science 413 (Men)	3	Minor	6
Advanced		Military Science 423 (Men)	3
Biology 451	1	Advanced	
Research		Biology 461	1
		Research	
	18		19

DESCRIPTION OF COURSES

BIOLOGY

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

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

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

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

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

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

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

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

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

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

333E. TEACHING HIGH SCHOOL SCIENCE. (3-0) *Credit 3*. Methods and materials in teaching of science in the junior and senior high school; training course for prospective teachers of science; lectures or conferences and field and laboratory work. Required of students who expect to get a teacher's certificate in science.

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

414. VERTEBRATE EMBRYOLOGY. (3-5) *Credit 4*. Structure, principles and progress in vertebrate development; chicken and pig as principal laboratory material. Prerequisite: Biology 124.

424. COMPARATIVE ANATOMY. (3-5) *Credit 4*. Anatomy of organs and organ systems, their function and evolution in major vertebrate types; prerequisite: Biology 114, 124, 414.

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

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

MICROBIOLOGY

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

DEPARTMENT OF CHEMISTRY

MAJOR AND MINOR REQUIREMENTS

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

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

All students who major or minor in Chemistry must include the following courses: Chemistry 125, 135, 204, 214 and 315. Premedical students are advised to take Chemistry 325. In addition to the above courses, all persons majoring in Chemistry must take the following courses: Mathematics 113, 123, 213, and 224, and Physics 214 and 224. Math. 313 is recommended.

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

SUGGESTED OUTLINE FOR A MAJOR IN CHEMISTRY

FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
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	
Orientation 103	3	Education, Elective	3
Social Science 113	3	Social Science 123	3
Introduction to Social Science		Introduction to Social Science	
Physical Ed. Practice 111 (Women)	1	Physical Ed. Practice 121 (Women)	1
Freshman Practice, or		Freshman Practice, or	
Military Science (Men) 111	1	Military Science (Men) 121	1
Elementary		Elementary	
Industry 302 Chem. Lab. Tech.	2	Industry Chem. 302 Lab. Tech	2
	<u>20</u>		<u>20</u>

SOPHOMORE YEAR

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

JUNIOR YEAR

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

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Chemistry 413	3	Chemistry 423	3
Physical Chemistry		Physical Chemistry	
Practice Teaching	6	Chemistry 433	3
Education	3	Physical Chemistry	
Minor	3	Minor	3
Negro History 463—or Elective	3	Economics	3
Military Science 413		Military Science 423	
Advanced		Advanced	
Chemistry 451	1	Elective	3
Research			
	<u>19</u>		<u>16</u>

DESCRIPTION OF COURSES

CHEMISTRY

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

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

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

115-125. GENERAL INORGANIC CHEMISTRY. (3-4) *Credit 5*. For students majoring or minoring in chemistry; composition, structure, changes of matter and the laws governing these changes; fundamentals of the most modern concepts. The second semester deals largely with the properties and preparation of the elements and their inorganic compounds.

204. QUALITATIVE ANALYSIS. (2-4) *Credit 4*. Analytical reactions from the point of view of the laws of chemical equilibrium applied to solution of electrolysis; laboratory work of the separation and detection of both metal and non-metal; micro qualitative laboratory techniques; prerequisite: Chemistry 115 and 125.

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

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

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

315 and 325. GENERAL ORGANIC CHEMISTRY. (3-4) *Credit 5*. I and II. For chemistry majors and minors, pre-medical, pre-dental, and students of nursing education. Aliphatic and aromatic compounds; preparation and testing of representative compounds of the aliphatic and aromatic substances. Prerequisite: Chemistry 115, 125 and 204, 214.

333E. TEACHING HIGH SCHOOL SCIENCE. (3-0) *Credit 3*. Methods and materials in teaching of science in the junior and senior high school; a training course for prospective teachers of science; lectures or conferences and field and laboratory work. Required of students who expect to qualify to teach science.

401. JOURNAL READING AND CHEMICAL LITERATURE. (1-0) 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) *Credit 2*. I or II. Preliminary work in the synthesis of Organic compounds and a study of the reaction of compounds of theoretical and industrial importance. Prerequisite: Chemistry 325.

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

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

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

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

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

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

DEPARTMENT OF PHYSICS

MAJOR AND MINOR REQUIREMENTS

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

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

of Physics 214, 224 and additional credit to make a total of 22 hours.

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

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

SUGGESTED OUTLINE FOR MAJORS IN PHYSICS

FRESHMAN YEAR			
First Semester	Hrs.	Second Semester	Hrs.
Chemistry 114	4	Chemistry 124	4
General Inorganic Chemistry with Introductory Qualitative Analysis		General Inorganic Chemistry with Introductory Qualitative Analysis	
English 113	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	3
Introduction to Social Science		Introduction to Social Science	
Orientation 103	3	Education 113	3
Physical Ed. Practice (Women) 111	1	Introduction to Education	
Freshman Practice, or		Physical Ed. Practice 121 (Women)	1
Military Science 111 (Men)	1	Freshman Practice, or	
Elementary		Military Science 121 (Men)	1
	—	Elementary	—
	17		17

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

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

SENIOR YEAR			
First Semester	Hrs.	Second Semester	Hrs.
Physics 413	3	Physics 423	3
Electronics		Electronics	
Physics 413A	3	Physics 423B	3
Advanced Heat and Sound		Advanced Light	
Electives	9	Electives	9
Military Science 413 (Men)		Military Science 423 (Men)	
Advanced		Advanced	
	15		15

DESCRIPTION OF COURSES

PHYSICS

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

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

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

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

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

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

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

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

403. ADVANCED LABORATORY TECHNIQUE. (0-6) *Credit 3.* I or II. 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 as a thesis. This course is open to only majors in Physics.

DEPARTMENT OF MODERN FOREIGN LANGUAGE

No major is offered.

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

DESCRIPTION OF COURSES

FRENCH

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

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

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

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

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

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

SPANISH

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

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

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

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

DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

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

MAJOR REQUIREMENTS

The department offers general and special courses in Health Education which may be accredited to a combined Major and Minor in the field. Six semester hours of prescribed Health Education courses will be required of majors, and twenty-six hours of Physical Education, making a total of thirty-two hours. Majors should include the following courses: Health Education: 203, 243, or 393; Physical Education: 111, 121, 211, 221, 331, or 321, 373, or 323, 343, 443, or 483, 413, or 423, 453, or 463, 473.

MINOR REQUIREMENTS

Students majoring or minoring in Physical Education will be expected to maintain a "C" average or above.

Twenty semester hours of work in health and Physical Education in addition to the two years of practice are required for a minor. Students minoring in Physical Education should include the following courses: Health Education 203, 243; Physical Education: 111, 121, 211, 221, 213, 331, or 321, 213, 373, or 413, or 453.

ADDITIONAL REQUIREMENTS

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

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

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

INTRAMURAL ATHLETICS

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

SUGGESTED FOUR-YEAR PROGRAM WITH A MAJOR IN PHYSICAL EDUCATION

FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Orientation 103	3	Physical Education 203	3
English 113	3	Personal Hygiene	3
Grammar and Composition		English 123	3
Chemistry 114	4	Reading and Composition	
Inorganic		Chemistry 124	4
Mathematics 173 or 113	3	Inorganic	
Applied Mathematics or		Mathematics 123 or 183	3
College Algebra		College Algebra or	
Military Science 111	1	Applied Mathematics	
Elementary or		Military Science 121	1
Physical Education 111	1	Elementary or	
Freshman Practice		Physical Education 121	1
Social Science 113	3	Freshman Practice	
Introduction to Social Science or		Social Science 123	3
Equivalent		Introduction to Social Science or	
Industry	2	Equivalent	
		Industry	2
	19		19

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113	3	Foreign Language 123	3
Elementary French or		Elementary French or	
Elementary Spanish		Elementary Spanish	
Education 273	3	English 223	3
Pupil Growth and Development		World Literature	
Biology 114	4	Biology 124	4
Zoology		Zoology	
English 213	3	Physical Education 243 or 393	3
Public Speaking		Methods in Health Education or	
Physical Education 373	3	Principles of Health	
History and Principles		Education 283	3
Military Science 211	1	Pupil Growth and Development	
Elementary or		Military Science 221	1
Physical Education 211	1	Elementary or	
Sophomore Practice		Physical Education 221	1
		Sophomore Practice	
	17		17

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213	3	Foreign Language 223	3
Reading and Grammar Review (French) or Advanced Grammar and Reading (Spanish)		Reading and Grammar Review (French) or Advanced Grammar and Reading (Spanish)	
Biology 314	4	Biology 324	4
Human Physiology		Human Physiology	
Government 263	3	Political Science 203	3
American National Government		American State Government	
Physical Education 331 or 101	1	Physical Education 423 or 463 or 261. for 3 Coaching of Team Sports	3
Gymnastics		Physical Education 343	3
Education 393	3	Methods and Materials	
Education Problems		Military Science 323	
Physical Education 413 or 453	3	Advanced	
Coaching of Team Sports			
Military Science 313			
Advanced			
	17 or 20		14, 16, 17, or 19

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Education 423	3	Education 333	3
School and Community Relations		High School Curriculum	
Education 406 or 306	6	Physical Education 323	3
Practice Teaching		Organization and Administration	
Electives	6	Physical Education 473	3
Military Science 413		Physiology of Muscular Exercise	
Advanced		Physical Education 443 or 483	3
		First Aid and Prevention of Injuries	
		Elective	3
		Military Science 423	
		Advanced	
	15		15

DESCRIPTION OF COURSES

THEORY COURSES IN PHYSICAL EDUCATION

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

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

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

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

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

343. METHODS AND MATERIALS IN PHYSICAL EDUCATION. (Same as Education 333.) (3-0) *Credit 3*. II. Organization and classification of activities play areas, equipment and supplies. Each student will be expected to teach activity classes in physical education, and to evaluate methods of teaching physical education (activities). Required of all majors and minors.

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

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

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

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

443. FIRST AID, AND PREVENTION AND CONTROL OF ATHLETIC INJURIES. *Credit 3*. II. Theory and practice of preventing and treating athletic injuries; practice in technique of massage, bandaging, and First Aid.

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

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

PRACTICE COURSES

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

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

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

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

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

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

201. INTERMEDIATE MODERN DANCE. (0-2) *Credit 1*. I and II. A continuation of Modern Dance 101. Free and natural movements; self expression through original and creative dance patterns.

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

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

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

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

331-321. GYMNASTICS. (1-2) *Credit 1*. I and II. Theory and practice in gymnastics (Tumbling, stunts, and self testing) for majors and minors.

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

301. ADVANCED MODERN DANCE. (0-2) *Credit 1*. I and II. Brief history of the dance; practice in technique and composition; selection and manipulation of materials for composition.

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

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

HEALTH EDUCATION COURSES

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

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

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

353. PUBLIC SCHOOL AND COMMUNITY HYGIENE. (3-0) *Credit 3*. I and II. Health problems related to the school and community.

393. PRINCIPLES OF HEALTH. (3-0) *Credit 3*. II. Programs now in operation; evaluation in terms of various hygiene and scientific criteria. Required of all majors.

DEPARTMENT OF SOCIOLOGY AND SOCIAL SERVICE

Students majoring in this department will complete thirty semester hours of either Sociology or Social Service together with twenty-four semester hours distributed over the following fields:

Economics	6 hours
History	9 hours
Political Science	6 hours
Geography or Philosophy	3 hours

For a minor in the department one must earn 18 semester hours.

SUGGESTED PROGRAM FOR A MAJOR IN SOCIOLOGY

FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
European History 113	3	European History 123	3
Europe, 1500-1815		Europe 1815-1914	
English 113	3	English 123	3
Grammar and Composition		Grammar and Composition	
Natural Science 113	3	Natural Science 123	3
College Science		College Science	
Mathematics 113	3	Mathematics 123	3
College Algebra		College Algebra	
Orientation 103	3	Intro. Ed. 113	3
Military Science 111 (Men)	1	Military Science 121 (Men)	1
Elementary or		Elementary or	
Physical Education 111 (Women)	1	Physical Education 121 (Women)	1
Freshman Practice		Freshman Practice	
Industry 112	2	Industry 122	2
	<hr/>		<hr/>
	18		18

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113	3	Foreign Language 123	3
Elementary French or		Elementary French or	
Elementary Spanish		Elementary Spanish	
History 213	3	Political Science 263	3
The United States		American National Government	
English 223	3	Sociology 223	3
Introduction to Literature		Introductory Sociology	
Sociology 213	3	English 213	3
Introductory Sociology		Public Speaking	
Education 273	3	Education 283	3
Pupil Growth and Development		Pupil Growth and Development	
Military Science 211	1	Military Science 221	1
Elementary, or		Elementary or	
Physical Education 211 (Women)	1	Physical Education 221 (Women)	1
Sophomore Practice		Sophomore Practice	
	<hr/>		<hr/>
	16		16

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213	3	Foreign Language 221	3
Reading and Grammar Review		Reading and Grammar Review	
(French) or Advanced Grammar		(French) or Advanced Grammar	
and Reading (Spanish)		and Reading (Spanish)	
Economics 213	3	Economics 223	3
Principles of Economics		Principles of Economics	
Sociology 333	3	Sociology 313	3
Social Psychology		Social Statistics	
Education Elective	3	Sociology 303	3
Political Science 203	3	The Family	
American Government		Education, Elective	
Military Science 313		Military Science 323	3
Advanced		Advanced	
	<hr/>		<hr/>
	15 or 18		15 or 18

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Sociology 463	3	Sociology 453	3
Social Research		Supervised Field Work	
Sociology 483	3	Sociology, Elective	3
Social Theory		Education 303, or 403	3
Sociology, Elective	3	Student Teaching	
Education, Elective	3	Education, Elective	3
Elective	3	Elective	
Military Science 413		Military Science 423	3
Advanced		Advanced	
	<hr/>		<hr/>
	15		15

SUGGESTED PROGRAM FOR A MAJOR IN SOCIAL SERVICE*

FRESHMAN YEAR

(See Sociology)

SOPHOMORE YEAR

(See Sociology)

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213	3	Foreign Language 223	3
Sociology 373	3	Sociology 403	3
Introduction to the Field of Social Work		Introduction to Social Case Work	
Sociology 333	3	Sociology 303	3
Social Psychology		The Family	
Economics 213	3	Sociology 313	3
Principles of Economics		Social Statistics	
Education, Elective	3	Economics 223	3
		Principles of Economics	
	15		15

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Sociology 463	3	Sociology 453	3
Social Research		Supervised Field Work	
Sociology 423	3	Sociology 434	3
Introduction to Social Group Work		Community Organization	
Sociology 493	3	Education 303 or 403	3
Problems of Child Welfare		Student Teaching	
Education, Elective	6	Education, Elective	3
		Elective	3
	15		15

DESCRIPTION OF COURSES

SOCIOLOGY

213. INTRODUCTORY SOCIOLOGY. (3-0) *Credit 3.* I. General phenomena of human society emphasizing fundamental social processes and social problems.

223. INTRODUCTORY SOCIOLOGY. (3-0) *Credit 3.* II. Continuation of Sociology 213; institutional structure and function, fundamental social processes and social problems.

233. RURAL SOCIOLOGY. (3-0) *Credit 3.* I. Analysis of structure and function of rural society, its people, institutions, communities, and problems. Prerequisites: Sociology 213 or Introduction to Social Science

243. RURAL PLANNING. (3-0) *Credit 3.* II. Programs and policies pertaining to the planning and reorganization of rural society. Prerequisite: Sociology 233.

263. GENERAL SOCIOLOGY. (3-0) *Credit 3.* II. Fundamental concept of Sociology and Social Problems for non-majors.

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

* In May, 1951 the Social Service program of Prairie View A. & M. College was approved by the National Association of Schools of Social Administrations which at that time admitted Prairie View to membership.

323. RACE RELATIONS. (3-0) *Credit 3*. II. Analysis of nature of race and culture contacts; rise and course of American race problems, and methods of racial adjustment. Prerequisites: Sociology 213 and 223.

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

343. MODERN SOCIAL PROBLEMS. (3-0) *Credit 3*. II. Analysis of process of personal, family, and community disorganization; methods and measures of social reform. Prerequisites: Six hours of Sociology.

353. SOCIOLOGY FOR NURSES. (3-0) *Credit 3*. I. Concrete treatment of sociological facts and principles; social prospective for Nursing profession: relation of social and economic crises to illness.

SOCIOLOGY 383. METHODS OF TEACHING SOCIAL STUDIES IN SECONDARY SCHOOLS. (3-0) *Credit 3*. II. Methods and devices for teaching History, Economics, Sociology, and Political Science, as well as various social studies on the secondary level. Selection and use of appropriate instructional materials.

413. URBAN SOCIOLOGY. (3-0) *Credit 3*. I. Considers the city and its hinterland as a sociological entity; urban neighborhoods, population groupings and movements, social processes, trends, and problems in the light of historical, ecological and social factors.

443. PRINCIPLES OF SCOUTING. (2-0) *Credit 2*. II. History and development of the Boy Scouts movements. Understanding the boy and fitting a program to his needs. Specialized programs such as cubbing, senior scouting, sea scouting, etc.

483. (formerly 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.

463. (formerly 563.) SOCIAL RESEARCH. (3-0) *Credit 3*. II. Technique of social investigation; case study, historical, statistical and ecological techniques; student required to do one piece of social investigation. Prerequisites: Twelve hours of Sociology.

313. (formerly 573.) SOCIAL STATISTICS. (3-0) *Credit 3*. II. Techniques of calculating values common to statistical analysis; simple measures of central tendencies through correlation and regression; speed and accuracy on calculating machine emphasized. Prerequisite: College Algebra.

363. (formerly 583.) CULTURAL ANTHROPOLOGY. (3-0) *Credit 3*. I or II. A study of the origin and development of human culture. Special emphasis is upon schools of culture and contemporary culture. Prerequisites: Nine hours of Sociology. Open to graduate students.

393. (formerly 733.) CRIMINOLOGY. (3-0) *Credit 3*. I. Nature, extent and causes of crime; various schools of criminology, individualization of criminal treatment, and modern techniques of criminal investigation. Prerequisites: Sociology 213 and 223.

473. (formerly 553.) SOCIOLOGY SEMINAR. (0-3) *Credit 3*. I or II. For Seniors and Graduate students desiring to do independent research or study in fields not covered by current offering. A staff member supervises the work of each student.

402. SOCIOLOGICAL INVESTIGATIVE PAPER. (2-0) *Credit 2. I or II.* Majors in Sociology will make an investigation of some Sociological problem under the direction of a staff member in the Department.

SOCIAL SERVICE

403. INTRODUCTION TO SOCIAL CASE WORK. (3-0) *Credit 3. I or II.* The point of view of the social case worker regarding human relationships; appreciation of needs and problems causing individuals to seek help of social agencies; some understanding of the basic process of social case work practice; broad cultural as well as practical value to students going into social work, teaching, (especially visiting teaching) medicine, and related professions.

423. INTRODUCTION TO SOCIAL GROUP WORK. (3-0) *Credit 3. I or II.* Fundamentals of professional group work; group process and behavior; interpersonal relations; the contribution of allied fields, leadership, programs, and agencies as a background for employment, in-service training, or professional education.

433. COMMUNITY ORGANIZATION. (3-0) *Credit 3. I.* Basic community organization processes; the function and operation of local Urban Leagues.

453. (formerly 503.) SUPERVISED FIELD WORK. (0-3) *Credit 3. I or II.* Limited individual experience and controlled observation with established social agencies where social work techniques previously learned can be applied.

373. (formerly 533.) INTRODUCTION TO THE FIELD OF SOCIAL WORK. (3-0) *Credit 3. I or II.* Orientation course in the history and field of Social Work; case work, group work, and social welfare planning as well as professional organization. Required for majors and minors in Social Service.

493. (formerly 603.) PROBLEMS OF CHILD WELFARE. (3-0) *Credit 3. I or II.* Child welfare movements and contemporary children's agencies and their services; programs for improving the home and for substitute care; safeguarding health; employment protection; delinquency prevention and other needs of children and youth.

DEPARTMENT OF MILITARY SCIENCE AND TACTICS

Instruction in Military Science and Tactics at this institution is a part of the Officer Procurement Program of the Armed Forces of the United States. Under provisions of the National Defense Act of 1920 as amended, an Infantry, Senior Division ROTC Unit, Class CC (Civilian College) is established and maintained at this College. All Instruction and training in Military Science and Tactics is conducted by Regular Army personnel stationed at Prairie View A. & M. College, and in

accordance with requirements of pertinent Army Training Programs prescribed by the Department of the Army, Washington, D. C.

Instruction and training in Military Science and Tactics is offered in two categories, namely, the Basic Course, and Advanced Course. Basic Course training is offered at Freshman and Sophomore levels and it includes elementary military subjects. The course is required of all able-bodied male students in the College except veterans. The course yields college credit which is applied toward graduation. Successful completion of the first-year and second-year Basic Course fulfills one of the college requirements for graduation and normally qualifies the student for appointment as a non-commissioned officer in the Enlisted Reserve Corps, United States Army. Advanced Course training is offered at the Junior and Senior levels and it includes instruction in advanced Military Science and Tactics. Enrollment in the Advanced Course is limited to students who complete successfully the Basic Course or who are veterans of the Armed Forces, discharged after one or more years of honorable military service. Students in the Advanced Course are selected by the President of the College and the Professor of Military Science and Tactics. Successful completion of the Advanced Course normally will result in the tender of a Commission as Second Lieutenant, Infantry, United States Army Reserve. Outstanding students may be designated as Distinguished Military Students and may during the last year in ROTC be recommended for appointment as Second Lieutenants in the Regular Army on graduation from College. In addition, the Professor of Military Science and Tactics may recommend certain senior ROTC students for a one-year Competitive Tour of Active Duty, successful completion of which will qualify the student for appointment as Second Lieutenant in the Regular Army.

PAY

Students enrolled in the Advanced Course will receive a commutation of subsistence at a rate prescribed by the Secretary of the Army. Based upon the present cost of the Army Garrison Ration, the amount is computed at about ninety cents (\$.90) per day and about twenty-seven dollars (\$27.00) per

month. Advanced students are required to attend one summer ROTC camp and will receive as pay about seventy-five dollars (\$75.00) and travel allowance. Total pay and allowances for an Advance Course student is about seven hundred and fifty dollars (\$750.00).

DEFERMENT

Students enrolled in ROTC may be granted a Military Deferment from induction for service under the Universal Military Training and Service Act of 1951. Such deferment when granted, will be in force so long as the student meets academic, military and other standards, and until completion or termination of the course of study in Military Science and Tactics. Thereafter, so long as the student meets academic, military and other standards, and until completion or termination of the course of study in Military Science and Tactics. Thereafter, so long as the individual remains in an active Regular or Reserve status in the Armed Forces, he will be continued in deferment.

COURSES OFFERED IN MILITARY SCIENCE AND TACTICS

ELEMENTARY COURSES

111, 121. (4-0) *Credit 1.* I and II. Military Organization; Military Policy of the United States, National Defense Act, ROTC; Evoluton of Warfare; Maps and Aerial Photographs; Military Psychology and Personnel Management; First Aid and Hygiene; Geographical Foundations of National Power; Military Problems of the United States; Military Mobilization and Demobilization; Leadership, Drill, and Exercise of Command.

211 and 221. (4-0) *Credit 1.* I and II. Organization; Weapons, Marksmanship; Technique of Fire of the Rifle Squad; Combat Formation; Scouting and Patrolling; Tactics of the Rifle Squad; Leadership, Drill, and Exercise of Command.

ADVANCED COURSES

313, 323. (5-0) *Credit 3.* I and II. Organization; Weapons; Gunnery; Communication; Combat Intelligence; Estimate of the Situation and Combat Orders; Field Fortifications; Tactics of the Rifle and Heavy Weapons Platoons and Companies; Leadership, Drill, and Exercise of Command.

413, 423. (5-0) *Credit 3.* I and II. Organization; Command and Staff; Communication; Motor and Transportation; Supply and Evacuation; Troop Movement; New Developments; The Military Team; The Infantry Battalion in Attack and Defense; Military Administration; Military Law and Boards; Military Teaching Methods; Psychological Warfare; Leadership, Drill, and Exercise of Command.

DEPARTMENT OF COOKING AND BAKING

The Department of Cooking and Baking offers opportunities to students who cannot afford the time or expense of taking a longer course and who desire to apply their efforts directly to acquiring more skill in cooking or baking in order to follow it as a trade.

ADMISSION

In order to pursue the courses leading to a Certificate of Proficiency in Cooking and Baking, the student must meet the same entrance requirements as are prescribed for entrance to freshman college courses (see Academic Information).

REQUIREMENTS FOR CERTIFICATE

Trade Certificates are awarded for successful completion of the courses outlined with a minimum of 68 semester hours and sixty-eight grade points.

TWO-YEAR TRADE COURSE IN COOKING

FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
Mathematics 133	3	Mathematics 143	3
Trade Mathematics		Trade Mathematics	
English 103	3	English 1X3	3
Trade English		Trade English	
Foods 013	3	Foods 023	3
Elementary Nutrition		Marketing and Cooking Methods	
Cooking 117	7	Cooking 127	7
Practice and Theory		Practice and Theory	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
	17		17

SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
Cooking 213	3	Cooking 223	3
Advanced Theory		Advanced Theory	
Cooking 215	5	Cooking 225	5
Estimates		Estimates	
Cooking 235	5	Cooking 245	5
Meats		Meats	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
Elective	3	Baking and Cooking 263	3
	17	Management	
			17

TWO-YEAR TRADE COURSE IN BAKING

FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
Mathematics 133	3	Mathematics 143	3
Trade Mathematics		Trade Mathematics	
English 103	3	English 1X3	3
Trade English		Trade English	
Foods 013	3	Foods 023	3
Elementary Nutrition		Marketing and Methods	
Baking 117	7	Baking 127	7
Practice and Theory		Practice and Theory	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
	<hr/>		<hr/>
	17		17

SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
Baking 213	3	Baking 223	3
Advanced Theory		Advanced Theory	
Baking 215	5	Baking 225	5
Bread and Rolls		Bread and Rolls	
Baking 235	5	Baking 245	5
Pastries		Pastries	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
Elective	3	Baking and Cooking 263	3
	<hr/>	Management	
	17		<hr/>
			17

DESCRIPTION OF COURSES

013, 023. **FOODS.** *Credit 3.* I and II. Elementary nutrition, marketing and methods of cooking various foods.

117, 127. **BAKING.** *Credit 7.* I and II. Theory and practice in care and use of equipment; baking technology; various doughs.

117, 127. **COOKING.** *Credit 7.* I and II. Care of equipment, preparing various foods for cooking; drinks, salads and sauces.

213, 223. **BAKING.** *Credit 3.* I and II. Theory involved in pastries and various doughs.

213, 223. **COOKING.** *Credit 3.* I and II. Theory in cooking vegetables, meats and preparation of appetizers.

215, 225. **BAKING.** *Credit 5.* I and II. Practice in making breads and rolls of various types.

235, 245. **BAKING.** *Credit 5.* I and II. Practice in pastries and desserts of various types.

215, 225. **COOKING** *Credit 5.* I and II. Practice in Quantity Cooking and small cafe cooking.

235, 245. **COOKING.** *Credit 5.* I and II. Preparation of meats for cooking (butchering, etc.); practice in cooking of meats.

263. **BAKING AND COOKING.** *Credit 3.* I and II. Managing a business simple bookkeeping, inventories, buying, etc.

SCHOOL OF ENGINEERING

The School of Engineering offers many opportunities to students to help them prepare to meet the demands of industry and for leaders and skilled workmen in the various technical professions and vocations. In addition to the professional courses, those designed to prepare skilled workmen, the School offers training to prepare teachers of Industrial Education and Trades and Industries.

The Four-Year courses leading to the Bachelor of Science Degree are as follows: Architectural Engineering, Civil Engineering, Electrical Engineering, Industrial Education, and Mechanical Engineering. The first year's program is the same for all curricula in Engineering. Fundamental preparation is given for entering upon work in the several branches of the professions, with some opportunity for specialization through options and electives. To a limited extent, substitutions may be made for certain courses, listed as required, when there appears to be a good reason for them. Each substitution must have the approval of the Dean of the School.

Vocational and Technical Programs are available in the following fields:

Automobile Mechanics	Painting and Decorating
Broom and Mattress Making	Plumbing and Steam Fitting
Cleaning and Pressing	Printing; Linotype Operation
Carpentry and Cabinet Making	Radio Technology
Drafting	Sheet Metal Work
Electrical Maintenance and Repair	Shoe Repairing
Laundering	Tailoring and Garment Making
Machine Tool Work	Stationary Engineering
Masonry	Welding, Gas and Electric

OBJECTIVES

ARCHITECTURAL ENGINEERING

The curriculum in Architectural Engineering is designed to give the student practical and theoretical training in Architecture and Building Construction. Although it emphasizes the structural and mechanical phases of architecture, it includes architectural design, properties and uses of building materials,

estimating construction costs, specification writing, and other phases important to the architectural profession. The aim is to prepare men for careers in the construction industry as: Draftsmen, Designers, Estimators and Building Supervisors, and provide them with the necessary foundation for future independent architectural practice.

Students selecting this option should get practical experience during the summer, either on construction projects or in the office of an Architect or Engineer.

CIVIL ENGINEERING

The field covered by Civil Engineering is wide, embracing surveying, highway, hydraulic, structural, sanitary, and construction engineering. It is the aim of this curriculum to give broad general training, which will serve as a foundation for development of any special line in the field, and to fit men for technical, administrative and commercial positions, both private and governmental. The training is largely fundamental in nature, but sufficient detailed practice is included to enable the graduate to occupy immediately a productive remunerative position in the field of Civil Engineering.

ELECTRICAL ENGINEERING

The curriculum in Electrical Engineering is intended to prepare students for entry into one of the many branches of the electrical industry, such as manufacturing, transportation, electrical power, wire and radio communication. In any of these fields, the engineer may engage in design, construction, repair and maintenance, administration, or he may deal with the commercial aspects of Industry. By arranging certain substitutes and taking some extra work, the student may qualify for teaching Mathematics and Science.

INDUSTRIAL EDUCATION

The curriculum in Industrial Education is designed to prepare students for positions as supervisors and directors of training schools in industry, or as teachers in colleges, junior and senior high schools, and trade schools; also, to give some technical training and experience in shop work and drafting preparatory to entering industry shops. Upon completion of

the course the student will receive a certificate valid in any high school or other public school in the State.

MAJOR

The requirements for a major in Industrial Education consist of not less than 60 semester hours. Ten semester hours shall be in courses above the sophomore level. Majors shall select one of the following plans:

PLAN I

UNIT SHOP TEACHER

The shop major shall consist of at least 12 semester hours drawing, including engineering drawing, freehand drawing and descriptive geometry. A major concentration of thirty (30) semester hours in shop work shall be selected from one of the areas listed below. An additional eighteen (18) semester hours, including 15 semester hours of related shop work, and 3 semester hours of electives, will go to make up the remainder of the requirements under Plan I.

- | | |
|------------------------------|--------------------|
| 1. Auto Mechanics | 9. Plumbing |
| 2. Broom and Mattress Making | 10. Printing |
| 3. Dry Cleaning | 11. Radio |
| 4. Electricity | 12. Sheet Metal |
| 5. Laundering | 13. Shoe Repairing |
| 6. Machine Shop | 14. Tailoring |
| 7. Masonry | 15. Welding |
| 8. Painting and Decorating | 16. Woodwork |

PLAN II

GENERAL SHOP TEACHER

The shop major shall consist of at least 12 semester hours drawing, including engineering drawing, freehand drawing, and descriptive geometry. A minimum of 8 semester hours in shop work is required in six of the areas listed below.

- | | |
|------------------------------|--------------------|
| 1. Auto Mechanics | 9. Plumbing |
| 2. Broom and Mattress Making | 10. Printing |
| 3. Dry Cleaning | 11. Radio |
| 4. Electricity | 12. Sheet Metal |
| 5. Laundering | 13. Shoe Repairing |
| 6. Machine Shop | 14. Tailoring |
| 7. Masonry | 15. Welding |
| 8. Painting and Decorating | 16. Woodwork |

MINOR

A minor in Industrial Education requires the completion of 24 semester hours in drawing and shop work. At least 6 semester hours shall be in drafting, including engineering drawing and freehand drawing. The remaining hours must be in shop work with not less than 6 semester hours in any area elected.

DEGREE REQUIREMENT

BACHELOR OF SCIENCE DEGREE IN INDUSTRIAL EDUCATION

To earn the Bachelor of Science Degree in Industrial Education, the student must complete 140 semester hours of academic and shop work, including 4 semester hours Military Science (men) or 4 semester hours Physical Education (women). Thirty-six (36) semester hours of total semester hours required for graduation must be in courses above the sophomore level. The academic and shop work shall be distributed as follows:

MAJOR*

Sixty (60) semester hours, including 10 semester hours in advanced courses, in drawing and shop work according to Plan I or II.

PROFESSIONAL REQUIREMENTS

A minimum of 24 semester hours is required from the following list, to include 6 semester hours which shall bear upon high school teaching and 6 of which shall consist of study of methods, observation of methods and practice teaching.

Education 113	3	Industrial Education 213	3
Introduction to Education		Principles of Industrial Education	
Education 383	3	Industrial Education 273	3
Education Psychology		Shop Organization and Management	
Education 373	3	Industrial Education 423	3
Vocational Guidance		Teaching Problems in Industrial Ed.	
Education 406	6	Industrial Education 533	3
Practice Teaching		Methods of Teaching Industrial Ed.	
		Industrial Education 343	3
		Trade and Job Analysis	

GENERAL EDUCATION REQUIREMENTS

The following courses are required of all majors in Industrial Education:

Mathematics	6	English	12
College Algebra 3 hours		Composition and Grammar 3 hours	
Trigonometry 3 hours		Reading and Composition 3 hours	
Science	18	Public Speaking 3 hours	
Chemistry 8 hours*		Introduction to Literature 3 hours	
Physics 10 hours		Economics	3
Government	6	Electives as necessary to satisfy the	
State Government 3 hours		curriculum.	
National Government 3 hours			

* For those students who are interested in the field of Engineering, eighteen (18) selected hours in engineering subjects may be submitted in place of shop electives under Plan I. This action must be established in a plan with the student's advisor and approved by the Dean of the Engineering School.

* With the approval of the Dean of the School this requirement must be met in special cases by taking 4 hours of chemistry and 4 hours of biology.

THESIS REQUIREMENTS

A comprehensive theme paper will be required of each student pursuing the Bachelor of Science Degree in Industrial Education. This paper shall be devoted to work in his specific concentration of study or to the general field of Industrial Education. The paper should demonstrate an ability to gather, organize and report Industrial Education information.

MECHANICAL ENGINEERING

This curriculum offers training in the scientific principles underlying Mechanical Engineering, and correlates this by application to specific fields of machine design, heat, power, heating, ventilating, and air conditioning, refrigeration, power plants, and industrial management.

Lectures and class instruction are supplemented by shop practice and laboratory investigations, designed to emphasize the engineering and economic principles involved. Students selecting this option should spend at least two summers in some shop or plant doing mechanical work.

TWO-YEAR VOCATIONAL AND TECHNICAL COURSES

Two-year courses are offered for the benefit of two classes of students: (1) those who cannot afford the time or expense of taking a longer course and who desire to apply their limited time directly to acquiring more skill in some industry in order to follow it as a trade, and (2) those who are engaged in some industry, but who feel the need of acquiring more skill, efficiency, and technical knowledge in their work.

Special 12 month courses are also available in all of the trades. This work does not carry College credit. For all trades the course numbers are as follows:

- 010—first semester
- 020—second semester
- 030—first summer term
- 040—second summer term

DISTRIBUTIVE EDUCATION

In the field of Distributive Education, courses are offered in business practices, how to teach an employee, wholesale and retail selling and buying, advertising, display, bookkeeping, salesmanship, employer-employee relations, public relations, retail record keeping, laws of retailing, professional development in retail selling, grocery procedure and food service.

These courses will be offered in the field in short units, and carry no college credit. Any one or all may be taken on request. Summer Business and Distributive Education Clinics will be held upon demand.

SPECIAL STUDENTS

Special students will be admitted by the Dean of the School who will supervise the arrangement of their courses. Special students are understood to be applicants who desire to undertake special study without becoming candidates for Degrees. They must evidence a sincere purpose to undertake and profit by special study and should be of mature age. Also, they must give reason for not entering regularly.

GRADUATION REQUIREMENTS

The requirements for graduation from the School of Engineering are the satisfactory completion of all courses in one of the prescribed curricula, with a C average.

TRADE CERTIFICATE FOR COLLEGE STUDENTS

To qualify for a Trade or Technical Certificate, a student must satisfactorily complete the courses as outlined, with a minimum of 64 semester hours. Students pursuing four-year collegiate courses may meet the requirements for trade certificates by satisfactorily completing 24 semester hours in one trade. In special cases, the work may be divided between two or more closely related industries.

ENGINEERING COURSES

UNIFORM FRESHMAN YEAR*

First Semester	Hrs.	Second Semester	Hrs.
Mathematics 113	3	Mathematics 213	3
College Algebra		Analytical Geometry	
Mathematics 123	3	English 123	3
Trigonometry		Reading and Composition	
Chemistry 114	4	Chemistry 124	4
Inorganic Chemistry		Inorganic Chemistry	
General Engineering 113	3	General Engineering Drawing 122	2
Engineering Drawing I		Descriptive Geometry	
General Engineering 111	1	General Engineering 162	2
Engineering Lectures		Engineering Problems and Slide Rule	
English 113	3	Civil Engineering 122**	2
Grammar and Composition		Elementary Surveying	
Military Science 111	1	Military Science 121	1
Elementary or		Elementary or	
Physical Education 111	1	Physical Education 121	1
Freshman Practice (Women)		Freshman Practice (Women)	
	18	Architecture 131***	1
		Shades, Shadows and Perspective	

18

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

** Architectural Engineering students will take Architecture 212, Freehand Drawing, Mechanical Engineering students will take Mechanical Engineering 112, Welding and Heat Treatment.

*** Required only of Architectural students.

ARCHITECTURAL ENGINEERING

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Mathematics 224	4	Mathematics 314	4
Differential Calculus		Integral Calculus	
Physics 215	5	Physics 225	5
Engineering Physics I		Engineering Physics II	
English 223	3	Civil Engineering 243	3
Composition and Literature		Statics	
Architecture 213	3	Architecture 223	3
Elements of Architecture I		Elements of Architecture II	
Architecture 222	2	Civil Engineering 122	2
Freehand Drawing II		Elementary Surveying	
Military Science 211	1	Military Science 221	1
Elementary or		Elementary or	
Physical Education 211	1	Physical Education 221	1
Sophomore Practice (Women)		Sophomore Practice (Women)	
	18		18

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Political Science 203	3	Civil Engineering 343	3
State Government		Engineering Materials	
Civil Engineering 313	3	Civil Engineering 322	2
Strength of Materials		Materials Testing Lab.	
Architecture 314	4	Architecture 343	3
Architectural Design		History of Architecture II	
Architecture 372	2	Architecture 383	3
Building Equipment		Building Construction	
English 213	3	Architecture 324	4
Public Speaking		Architectural Design	
Architecture 333	3	Civil Engineering 323	3
History of Architecture I		Structural Analysis I	
Military Science 313	3	Military Science 323	3
Advanced		Advanced	
	18 19 or 22		18 or 21

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Economics 213	3	Architecture 443	3
Principles of Economics		Architectural Design	
Architecture 433	3	Mechanical Engineering 424	4
Architectural Design		Heating, Ventilation, and	
Architecture 363	3	Air-Conditioning	
Working Drawing and Specifications		Architecture 373	3
Electrical Engineering 453	3	Working Drawings and Specifications	
Wiring and Illumination		Civil Engineering 425	5
Civil Engineering 432	2	Structural Design	
Structural Analysis II		Political Science 263	3
Civil Engineering 413	3	National Government	
Reinforced Concrete and		Military Science 423	3
Masonry structures		Advanced	
Architecture 452	2		
Architectural Practice			
Military Science 413	3		
Advanced			
	19 or 22		18 or 21

Number of hours required for graduation—145

CIVIL ENGINEERING

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Mathematics 224—Differential Calculus... ..	4	Mathematics 314—Integral Calculus	4
Physics 215—Engineering Physics	5	Physics 225—Engineering Physics	5
English 223—Comp. and Literature	3	Civil Engineering 223	3
General Engineering 212	2	Advanced Surveying	
Engineering Drawing II		Civil Engineering 243—Statics	3
Civil Engineering 213	3	Mechanical Engineering 242	2
Topographic Surveying		Welding, Heat Treatment and	
Military Science 211—Elementary or	1	Foundry Practice	
Physical Education 211	1	Military Science 221—Elementary or	1
Sophomore Practice (Women)		Physical Education 221	1
	18	Sophomore Practice (Women)	
			18

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Civil Engineering 314	4	Civil Engineering 323	3
Strength of Materials		Structural Analysis I	
Political Science 263	3	English 213—Public Speaking	3
National Government		Civil Engineering 343—Eng. Materials...	3
Civil Engineering 333—Dynamics	3	Civil Engineering 322	2
Mechanical Engineering 312	2	Materials Testing Lab.	
Machine Shop and Tool Design		Civil Engineering 363	3
Civil Engineering 353—General Geology...	3	Fluid Mechanics	
Economics 213	3	Civil Engineering 321	1
Principles of Economics		Hydraulics Lab.	
Military Science 313—Advanced	3	Civil Engineering 324—Soil Engineering 4	3
	18	Military Science 323—Advanced	3
			19

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Bacteriology—Water and Sewage	3	Electrical Engineering 311	1
Civil Engineering 412	2	Electrical Engineering Lab.	
Water Supply Engineering		Electrical Engineering 303	3
Mechanical Engineering 423	3	Principles of DC and AC Machinery	
Heat Power Engineering		Civil Engineering 423	3
Civil Engineering 433	3	Contracts, Specifications	
Highway Engineering		and Engineering Reports	
Political Science 203	3	Civil Engineering 422—Sewerage	2
Civil Engr. 432—Structural Analysis II...	2	Civil Engr. 425—Structural Design	5
Civil Engineering 413	3	Civil Engineering 443	3
Reinforced Concrete and		Engineering Construction	
Masonry Structures		Military Science 423—Advanced	3
Military Science 413—Advanced	3		17
	19		

Number of hours required for graduation—144

ELECTRICAL ENGINEERING

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Mathematics 224	4	Mathematics 314	4
Differential Calculus		Integral Calculus	
Physics 215	5	Physics 225	5
Engineering Physics I		Engineering Physics II	
English 223	3	Civil Engineering 243	3
Composition and Literature		Statics	
General Engineering 212	2	Mechanical Engineering 242	2
Engineering Drawing II		Welding, Heat Treatment and	
Mechanical Engineering 312	2	Foundry Practice	
Machine Shop and Tool Design		Electrical Engineering 213	3
Military Science 211	1	Basic Electrical Engineering	
Elementary or		Military Science 221	1
Physical Education 211	1	Elementary or	
Sophomore Practice (Women)		Physical Education 221	1
	17	Sophomore Practice (Women)	
			18

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Electrical Engineering 314	4	Civil Engineering 343	3
A. C. Circuits		Engineering Materials	
Electrical Engineering 333	3	Political Science 263	3
D. C. Machinery		National Government	
Electrical Engineering 311	1	English 213	3
D. C. Lab.		Public Speaking	
Mathematics 423	3	Electrical Engineering 373	3
Differential Equations		Electrical Measurements	
Civil Engineering 314	4	Electrical Engineering 371	1
Strength of Materials		Electrical Measurements Lab.	
Electrical Engineering 343	3	Electrical Engineering 383	3
Electronics I		Electronics II	
Electrical Engineering 341	1	Electrical Engineering 381	1
Electronics I Lab.		Electronics II Lab.	
Military Science 313	3	Civil Engineering 322	2
Advanced		Materials Testing Laboratory	
	19 or 21	Military Science 323	3
		Advanced	
			19 or 22

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Electrical Engineering 413	3	Mechanical Engineering 463	3
A. C. Machinery I		Industrial Management	
Electrical Engineering 412—A. C. Lab.....	2	Civil Engineering 333—Dynamics	3
Electrical Engineering 463	3	*Mechanical Engineering 423	3
Wire Communication		Heat Power Engineering	
Mechanical Engineering 314	4	*Mechanical Engineering 411	1
Thermodynamics		Heat Power Lab.	
Economics 203—Survey of Economics.....	3	Political Sci. 203—State Government	3
Electrical Engr. 453—Illumination	3	Business Adm. 463 — Business Law	3
Military Science 413—Advanced	3	Elective	2
		Military Science 423—Advanced	3
	18 or 21		18 or 21

Number of hours required for graduation—144

MECHANICAL ENGINEERING

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Mathematics 224—Differential Calculus.....	4	Mathematics 314—Integral Calculus	4
Physics 215—Engineering Physics I	5	Physics 225—Engineering Physics II	5
English 213—Public Speaking	3	English 223	3
General Engineering 212	2	Composition and Literature	
Engineering Drawing II		Mechanical Engr. 362—Foundry	2
Mechanical Engineering 351	1	Civil Engineering 243—Statics	3
Pattern Making		Military Science 221	1
Civil Engineering 122	2	Elementary or	
Elementary Surveying		Physical Education 221	1
Military Science 211—Elementary or.....	1	Sophomore Practice (Women)	
Physical Education 211	1		18
Sophomore Practice (Women)			
	18		

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Civil Engineering 314	4	Civil Engineering 343	3
Strength of Materials		Engineering Materials	
Mechanical Engineering 333	3	Civil Engineering 322	2
Mechanism		Materials Testing Lab.	
Mechanical Engineering 314	4	Electrical Engineering 213	3
Thermodynamics		Basic Electrical Engineering	
Pol. Sci. 263—National Government	3	Civil Engr. 363—Fluid Mechanics	3
Economics 203—Survey of Economics.....	3	Civil Engr. 333—Dynamics	3
Machine Shop 222	2	Mechanical Engineering 323	3
Machine Tool Work		Heat Power Engineering	
Military Science 313—Advanced	3	Mechanical Engineering 322	2
	19 or 21	Heat Power Lab.	
		Military Science 323—Advanced	3
			19 or 22

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Electrical Engineering 333	3	Electrical Engineering 413A	3
D. C. Machinery		A. C. Circuits and Machinery	
Electrical Engineering 311	1	Electrical Engineering 412	2
D. C. Lab.		A. C. Lab.	
Mechanical Engineering 415	5	Mechanical Engineering 424	4
Machine Design		Heat and Air-Conditioning	
Mechanical Engineering 413	3	Political Science 203	3
Mechanical Engineering Lab.		State Government	
Business Administration 463	3	Mechanical Engineering 463	3
Business Law		Industrial Management	
Mechanical Engineering 343	3	Mechanical Engineering 443	3
Internal Combustion Engines		Power Plant Engineering	
Military Science 413	3	Military Science 423	3
Advanced		Advanced	
	18 or 21		18 or 21

Number of hours required for graduation—145

* Students may substitute Electrical Engineering courses for these subjects upon approval of the Dean of the School of Engineering.

INDUSTRIAL EDUCATION

FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Mathematics 113	3	Mathematics 123	3
College Algebra		Trigonometry	
English 113	3	English 123	3
Grammar and Composition		Reading and Composition	
Chemistry 114	4	Chemistry 124	4
Inorganic Chemistry		Inorganic Chemistry	
General Engineering 113	3	General Engineering 122	2
Engineering Drawing I		Descriptive Geometry	
Industrial Laboratory	3	Industrial Laboratory	3
General Engineering 111	1	Military Science 121	1
Engineering Lectures		Elementary or	
Military Science 111	1	Physical Education 121	1
Elementary or		Freshman Practice (Women)	
Physical Education 111	1		—
Freshman Practice (Women)			16
	—		
	18		

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Political Science 263	3	Political Science 203	3
National Government		State Government	
Industrial Education 213	3	Industrial Education 273	3
Principles of Industrial Education		Shop Organization and Management	
Education 113	3	Drawing	2
Introduction to Education		Industrial Laboratory	6
Industrial Laboratory	6	English 223	3
Architecture 212	2	Introduction to Literature	
Freehand Drawing		Military Science 221	1
Military Science 211	1	Elementary or	
Elementary or		Physical Education 221	1
Physical Education 211	1	Sophomore Practice (Women)	
Sophomore Practice (Women)			—
	—		18
	18		

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Physics 115	5	Physics 125	5
General Physics		General Physics	
English 213	3	Industrial Education 343	3
Public Speaking		Trade and Job Analysis	
Industrial Laboratory	9	Industrial Laboratory	6
Military Science 313	3	Economics 203	3
Advanced		Survey of Economics	
	—	Military Science 323	3
	17 or 20	Advanced	
			—
			17 or 20

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Industrial Education 533	3	Industrial Education 406	6
Methods of Teaching		Practice Teaching	
Industrial Education		Education 383	3
Education 373	3	Education Psychology	
Vocational Guidance		Industrial Laboratory	6
Industrial Laboratory	9	Industrial Education 423	3
Drawing	3	Teaching Problems in Industrial Ed.	
Military Science 413	3	Industrial Education 400	0
Advanced		Undergraduate Thesis	
	—	Military Science 423	3
	18 or 21	Advanced	
			—
			18 or 21

OUTLINE OF THE TWO-YEAR TECHNICAL COURSES

AUTOMOBILE MECHANICS

FIRST YEAR		SECOND SEMESTER	
	Hrs.		Hrs.
First Semester		General Engineering 142	2
General Engineering 132	2	General Drawing II	
General Drawing I		General Engineering 143	3
*General Engineering 133	3	Related Mathematics	
Related Mathematics		English 1X3	3
*English 103	3	English for Trade Students	
English for Trade Students		Auto Mechanics 127	7
Auto Mechanics 117	7	Auto Mechanics Theory and Lab.	
Auto Mechanics Theory and Lab.		Military Science 121	1
Military Science 111	1	Elementary	
Elementary			
	16		16

SECOND YEAR		SECOND SEMESTER	
	Hrs.		Hrs.
First Semester		General Engineering 263	3
General Engineering 253	3	Shop Management	
Business Relations		Machine Shop Practice 1X2	2
Machine Shop Practice 102	2	Elementary Machine Shop	
Welding		Auto Mechanics 227	7
Science 113	3	Auto Mechanics Theory and Lab.	
College Science		Auto Mechanics 243	3
Auto Mechanics 217	7	Body and Fender Repair	
Auto Mechanics Theory and Lab.		Military Science 221	1
Military Science 211	1	Elementary	
Elementary			
	16		16

BROOM AND MATTRESS MAKING

FIRST YEAR		SECOND SEMESTER	
	Hrs.		Hrs.
First Semester		General Engineering 142	2
General Engineering 132	2	General Drawing II	
General Drawing I		General Engineering 143	3
*General Engineering 133	3	Related Mathematics	
Related Mathematics		English 1X3	3
English 103	3	English for Trade Students	
English for Trade Students		Broom and Mattress Making 127	7
Broom and Mattress Making 117	7	Broom and Mattress Making	
Broom and Mattress Making		Theory and Lab.	
Theory and Lab.		Military Science 121	1
Military Science 111	1	Elementary	
Elementary			
	16		16

SECOND YEAR		SECOND SEMESTER	
	Hrs.		Hrs.
First Semester		General Engineering 263	3
General Engineering 253	3	Shop Management	
Business Relations		Elective	2
Elective	2	Sociology 263	3
Science 113	3	General Sociology	
College Science		Broom and Mattress Making 227	7
Broom and Mattress Making 217	7	Broom and Mattress Making	
Broom and Mattress Making		Theory and Lab.	
Theory and Lab.		Military Science 221	1
Military Science 211	1	Elementary	
Elementary			
	16		16

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

DRAFTING

FIRST YEAR

First Semester		Hrs.	Second Semester		Hrs.
General Engineering 133	.....	3	General Engineering 143	.....	3
Related Mathematics	.....		Related Mathematics	.....
English 103	.....	3	English 1X3	.....	3
English for Trade Students	.....		English for Trade Students	.....
General Engineering 106	.....	6	Architecture 242	.....	2
Industrial Drawing	.....		Architectural Drawing	.....
Architecture 212	.....	2	Architecture 222	.....	2
Freehand Drawing	.....		Freehand Drawing	.....
Military Science 111	.....	1	Commercial Art 1X3	.....	3
Elementary	.....		General Engineering 122	.....	2
			Descriptive Geometry	.....
			Military Science 121	.....	1
			Elementary	.....
		15			16

SECOND YEAR

First Semester		Hrs.	Second Semester		Hrs.
Mathematics 113	.....	3	Mathematics 123	.....	3
Algebra	.....		Trigonometry	.....
General Engineering 253	.....	3	General Engineering 283	.....	3
Business Relations	.....		Drafting Room Management	.....
General Engineering 213	.....	3	General Engineering 223	.....	3
Engineering Drawing II	.....		General Engineering Drawing	.....
Architecture 243	.....	3	Architecture 263	.....	3
Architectural Drawing	.....		Architectural Drawing	.....
Architecture 213	.....	3	Elective	.....	3
Elements of Architecture	.....		Military Science 221	.....	1
Military Science 211	.....	1	Elementary	.....
Elementary	.....			
		16			16

DRY CLEANING

FIRST YEAR

First Semester		Hrs.	Second Semester		Hrs.
General Engineering 132	.....	2	General Engineering 142	.....	2
General Drawing I	.....		General Drawing II	.....
General Engineering 133	.....	3	General Engineering 143	.....	3
Related Mathematics	.....		Related Mathematics	.....
English 103	.....	3	English 1X3	.....	3
English for Trade Students	.....		English for Trade Students	.....
Dry Cleaning 117	.....	7	Dry Cleaning 127	.....	7
Dry Cleaning Theory and Lab.	.....		Dry Cleaning Theory and Lab.	.....
Military Science 111	.....	1	Military Science 121	.....	1
Elementary	.....		Elementary	.....
		16			16

SECOND YEAR

First Semester		Hrs.	Second Semester		Hrs.
General Engineering 253	.....	3	General Engineering 263	.....	3
Business Relations	.....		Shop Management	.....
Laundering 112	.....	2	Tailoring 1X2	.....	2
Elementary Laundering	.....		Tailoring	.....
Science 113	.....	3	Sociology 263	.....	3
College Science	.....		General Sociology	.....
Dry Cleaning 217	.....	7	Dry Cleaning 227	.....	7
Dry Cleaning Theory and Lab.	.....		Dry Cleaning Theory and Lab.	.....
Military Science 211	.....	1	Military Science 221	.....	1
Elementary	.....		Elementary	.....
		16			16

ELECTRICITY

FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132	2	General Engineering 142	2
General Drawing I		General Drawing II	
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
Electricity 114	4	Electricity 124	4
Electrical Theory and Lab.		Electrical Theory and Lab.	
Electricity 113	3	Electricity 123	3
Electrical Wiring and Repair		Electrical Wiring and Repair	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
	16		16

SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253	3	General Engineering 263	3
Business Relations		Shop Management	
Electricity 132	2	Electricity 142	2
D. C. Motor-Generator Repair		A. C. Motor-Generator Repair	
Science 113	3	Sociology 263	3
College Science		General Sociology	
Electricity 217	7	Electricity 227	7
Electrical Theory and Lab.		Electrical Theory and Lab.	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
	16		16

LAUNDERING

FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132	2	General Engineering 142	2
General Drawing		General Drawing	
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
Laundering 117	7	Laundering 127	7
Laundering Theory and Lab.		Laundering Theory and Lab.	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
	16		16

SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253	3	General Engineering 263	3
Business Relations		Shop Management	
Science 113	3	Tailoring 1X2	2
College Science		Tailoring	
Laundering 217	7	Sociology 263	3
Laundering Theory and Lab.		General Sociology	
Dry Cleaning 102	2	Laundering 227	7
Dry Cleaning Lab.		Laundering Theory and Lab.	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
	16		16

MACHINE SHOP

FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132	2	General Engineering 142	2
General Drawing		General Drawing	
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
Machine Shop 117	7	Machine Shop 127	7
Machine Shop Theory and Lab.		Machine Shop Theory and Lab.	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
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	16		16

SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253	3	General Engineering 263	3
Business Relations		Shop Management	
General Engineering 212	2	Machine Shop 1X2	2
Engineering Drawing II		Welding	
Science 113	3	Sociology 263	3
College Science		General Sociology	
Machine Shop 217	7	Machine Shop 227	7
Machine Shop Theory and Lab.		Machine Shop Theory and Lab.	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
	—		—
	16		16

MASONRY

FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132	2	General Engineering 142	2
General Drawing		General Drawing	
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
Masonry 117	7	Masonry 127	7
Masonry Theory and Lab.		Masonry Theory and Lab.	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
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	16		16

SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253	3	General Engineering 263	3
Business Relations		Shop Management	
Architectural 242	2	Architecture 252	2
Architectural Drawing		Architectural Drawing	
Science 113	3	Sociology 263	3
College Science		General Sociology	
Masonry 217	7	Masonry 227	7
Masonry Theory and Lab.		Masonry Theory and Lab.	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
	—		—
	16		16

PAINTING AND DECORATING

FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132	2	Architecture 222	2
General Drawing		Freehand Drawing	
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
Painting 117	7	English 1X3	3
Painting Theory and Lab.		English for Trade Students	
English 103	3	Painting 127	7
English for Trade Students		Painting Theory and Lab.	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
	<hr/> 16		<hr/> 16

SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253	3	General Engineering 263	3
Business Relations		Shop Management	
Commercial Art 103	3	Commercial Art 1X3	3
Science 113	3	Sociology 263	3
College Science		General Sociology	
Painting 217	7	Painting 227	7
Painting Theory and Lab.		Painting Theory and Lab.	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
	<hr/> 17		<hr/> 17

PLUMBING

FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132	2	General Engineering 142	2
General Drawing		General Drawing	
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
Plumbing 117	7	Plumbing 127	7
Plumbing Theory and Lab.		Plumbing Theory and Lab.	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
	<hr/> 16		<hr/> 16

SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
Welding 102	2	General Engineering 263	3
General Engineering 253	3	Shop Management	
Science 113	3	Sheet Metal 1X2	2
College Science		Sociology 263	3
Plumbing 217	7	General Sociology	
Plumbing Theory and Lab.		Plumbing 227	7
Military Science 211	1	Plumbing Theory and Lab.	
Elementary		Military Science 221	1
	<hr/> 17	Elementary	
			<hr/> 17

PRINTING

FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
Printing 112	2	Printing 122	2
Typography I		Typography II	
Printing 152	2	Printing 162	2
Platen Presswork I		Cylinder Presswork I	
Printing 113	3	Printing 172	2
Graphic Arts Survey		Platen Presswork II	
Printing 121	1	Printing 182	2
Color		Machine Composition I	
Printing 132	2	Printing 121	1
Layout and Design		Bindery Operations	
Printing 111	1	Printing 142	2
Lettering		Layout and Design	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
	18		18

SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
Printing 252	2	Printing 262	2
Cylinder Presswork II		Cylinder Presswork III	
Printing 273	3	Printing 283	3
Machine Composition II		Machine Composition III	
Printing 282	2	Printing 241	1
Imposition and Lock-up		Machine Maintenance	
Printing 292	2	Printing 221	1
Typography III		Typography IV	
General Engineering 253	3	Printing 243	3
Business Relations		Plant Management	
Printing 212	2	Printing 222	2
Estimating		Estimating	
Elective	3	Elective	3
Military Science 211	1	Printing 282	2
Elementary		Printing Production	
	18	Military Science 221	1
		Elementary	
			18

RADIO

FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132	2	General Engineering 142	2
General Drawing		General Drawing	
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
Electricity 114	4	Electricity 124	4
Electrical Theory and Lab.		Electrical Theory and Lab.	
Radio 113	3	Radio 123	3
Radio Lab.		Radio Lab.	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
	16		16

SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253	3	General Engineering 263	3
Business Relations		Shop Management	
Electricity 102	2	Radio 222	2
Electrical Appliances		Test Instruments	
Mathematics 113	3	Mathematics 123	3
College Algebra		Trigonometry	
Radio 217	7	Radio 227	7
Radio Theory and Lab.		Radio Theory and Lab.	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
	16		16

SHEET METAL

FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132	2	General Engineering 142	2
General Drawing		General Drawing	
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
Sheet Metal 117	7	Sheet Metal 127	7
Sheet Metal Theory and Lab.		Sheet Metal Theory and Lab.	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
	—		—
	16		16

SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253	3	General Engineering 263	3
Business Relations		Shop Management	
General Engineering 152	2	General Engineering 222	2
Sheet Metal Drafting		Production Drafting	
Science 113	3	Sociology 263	3
College Science		General Sociology	
Sheet Metal 217	7	Sheet Metal 227	7
Sheet Metal Theory and Lab.		Sheet Metal Theory and Lab.	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
	—		—
	16		16

SHOE REPAIRING

FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
Shoe Repair 112	2	Shoe Repair 1X2	2
Drafting		Drafting	
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
Shoe Repair 117	7	Shoe Repair 127	7
Shoe Repair Theory and Lab.		Shoe Repair Theory and Lab.	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
	—		—
	16		16

SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253	3	General Engineering 263	3
Business Relations		Shop Management	
Shoe Repair 222	2	Shoe Repair 232	2
Drafting		Drafting	
Shoe Repair 217	7	Shoe Repair 227	7
Shoe Repair Theory and Lab.		Shoe Repair Theory and Lab.	
Science 113	3	Sociology 263	3
College Science		General Sociology	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
	—		—
	16		16

TAILORING

FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
Tailoring 132	2	Tailoring 142	2
Drafting		Drafting	
English 103	3	General Engineering 143	3
English for Trade Students		Related Mathematics	
General Engineering 133	3	English 1X3	3
Related Mathematics		English for Trade Students	
Tailoring 117	7	Tailoring 127	7
Tailoring Theory and Lab.		Tailoring Theory and Lab.	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
	16		16

SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253	3	General Engineering 263	3
Business Relations		Shop Management	
Tailoring 232	2	Tailoring 242	2
Drafting		Drafting	
Science 113	3	Sociology 263	3
College Science		General Sociology	
Dry Cleaning 102	2	Dry Cleaning 1X2	2
Dry Cleaning Laboratory		Dry Cleaning Laboratory	
Tailoring 215	5	Tailoring 225	5
Tailoring Lab.		Tailoring Lab.	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
	16		16

WELDING

FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132	2	General Engineering 142	2
General Drawing		General Drawing	
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
Welding Theory and Lab.		Welding 127	7
Military Science 111	1	Welding Theory and Lab.	
Elementary		Military Science 121	1
	16	Elementary	
			16

SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253	3	General Engineering 263	3
Business Relations		Shop Management	
Machine Shop 112	2	Sheet Metal 112	2
Machine Shop Practice		Sheet Metal	
Science 113	3	Sociology 263	3
College Science		General Sociology	
Welding 127	7	Welding 227	7
Welding Theory and Lab.		Welding Theory and Lab.	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
	16		16

WOODWORK

FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 132	2	General Engineering 142	2
General Drawing I		General Drawing II	
General Engineering 138	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
Carpentry 117	7	Carpentry 127	7
Carpentry Theory and Lab.		Carpentry Theory and Lab.	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
	<hr/>		<hr/>
	16		16

SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253	3	General Engineering 263	3
Business Relations		Shop Management	
Architecture 242	2	Painting 1X2	2
Architectural Drafting		Sociology 263	3
Science 113	3	General Sociology	
College Science		Carpentry 227	7
Carpentry 217	7	Carpentry Theory and Lab.	
Carpentry Theory and Lab.		Military Science 221	1
Military Science 211	1	Elementary	
Elementary			
	<hr/>		<hr/>
	16		16

DESCRIPTION OF COURSES

ARCHITECTURAL ENGINEERING

131. SHADES, SHADOWS AND PERSPECTIVE. (0-1) *Credit 1.* I and II. The conventional shades and shadows of common geometrical solids and architectural members; the theory of perspective as applied to simple solids and problems from architectural practice.

212-222. FREEHAND DRAWING. (0-6) *Credit 2.* I and II. Drawing of plants and objects; drawing from life in charcoal and pencil; training of eye and hand; application in architectural presentation and drawing.

213-223. ELEMENTS OF ARCHITECTURE. (0-7) *Credit 3.* I and II. Fundamentals of architectural design by their application in the original solution and presentation of simple architectural problems.

242-243-252. ARCHITECTURAL DRAWING. (0-6) (0-9) (0-6) *Credit 2, 3.* I and II. Architectural symbols and details; simple working drawings.

244-263. ARCHITECTURAL DRAFTING. (0-12) (0-9) *Credit 4, 3.* II. Continuation of courses 242 and 243 with elementary problems in architectural design.

314-324. ARCHITECTURAL DESIGN. (0-12) *Credit 4.* I and II. Design of small buildings; development of plan, based on definite requirements, fenestration, influence of materials and construction on design; preparation of working drawings. Prerequisite: G. E. 222.

333-343. HISTORY OF ARCHITECTURE. (3-0) *Credit 3.* I and II. The development of architecture as related to human habitation; ancient, medieval, and modern architecture.

363-373. WORKING DRAWINGS. (0-9) *Credit 3.* I and II. Preparing complete working drawings and specifications for a small building.

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

383. BUILDING CONSTRUCTION. (3-0) *Credit 3.* II. Common methods of building construction; occasional visits to buildings under construction. Prerequisite: Civil Engineering 213.

410. INSPECTION TRIP. *No Credit.* Required of all Seniors.

433-443. ARCHITECTURAL DESIGN. (0-9) *Credit 3.* I. Continuation of Architecture 323, advanced problems, time problems, and rapid sketches at frequent intervals.

452. ARCHITECTURAL PRACTICE. (0-6) *Credit 2.* I Special problems in architectural design and development; the preparation of building documents; interpretation of building codes, and analysis of documents; interpretation of the American Institute of Architects; office organization, client and contractor relationships.

CIVIL ENGINEERING

122. ELEMENTARY SURVEYING. (0-6) *Credit 2.* II. Use of tape and chain, engineer's level and transit; methods of surveying in field practice. Prerequisite: G. E. 113 and Mathematics 123.

213. TOPOGRAPHIC SURVEYING. (1-6) *Credit 3.* I. Use of tape, transit and level; complete topographic survey, using the stadia method and plane table; astronomical observations for azimuth, time and latitude; drafting of topographic maps from field notes. Prerequisite: Civil Engineering 122.

223. ADVANCED SURVEYING. (2-3) *Credit 3.* II. Horizontal vertical alignment for railways and highways; grades and grade reduction; curves, turnouts, and earthwork, principles of economic location surveys, plans and estimates. Prerequisite: Civil Engineering 213.

243. APPLIED MECHANICS I—STATICS (3-0) *Credit 3.* II. Composition and resolution of forces; systems of forces in equilibrium; laws of friction; centers of gravity; moments of inertia; special problems to illustrate the application of theory to engineering. Prerequisite: Physics 225 and enrollment in Mathematics 314.

311. GRAPHIC STATICS. (0-3) *Credit 1.* II. Graphical stress analysis of simple roof trusses and three hinged arches. This course is coordinated with Civil Engineering 323. Prerequisite: Civil Engineering 243.

313. STRENGTH OF MATERIALS. (0-3) *Credit 3.* I. Engineering properties and behavior of standard engineering materials in stress strain tension and compression, torsion, shear, and moment, combined stresses and deflection; riveted joints, stresses in columns and the design of beams; use of engineering handbooks. Prerequisite: Civil Engineering 243.

321. HYDRAULICS LABORATORY. (0-3) *Credit 1.* II. Measurement of flow, friction in pipes, pumping and power. Prerequisite: Registration in Civil Engineering 363.

322. STRENGTH OF MATERIALS LABORATORY. (0-3) *Credit 1*. II. The testing of materials. Prerequisite: Civil Engineering 313, and registration in Civil Engineering 343.
323. STRUCTURAL ANALYSIS I. (3-0) *Credit 3*. I. Analysis of stresses in statically determinate structures. Prerequisite: Civil Engineering 243.
324. SOIL ENGINEERING. (2-6) *Credit 4*. II. Description, origin, structure, identification and classification of soils for engineering purposes; determination and application of their physical properties. Prerequisite: Civil Engineering 313.
333. APPLIED MECHANICS II—DYNAMICS. (3-0) *Credit 3*. II. Velocities and accelerations of various types of mechanics, rectilinear, and curvilinear translation of particles and rigid bodies, rotation of rigid bodies about fixed axis, work energy and power, impulse and momentum, moments and products of inertia, and rigid bodies; elementary problems in vibration. Prerequisite: Civil Engineering 243.
343. ENGINEERING MATERIALS. (3-0) *Credit 3*. I. Constituents, properties and manufacture of standard structural materials. Prerequisites: Chemistry 144 and registration in Civil Engineering 313.
344. ANALYSIS AND DESIGN OF SIMPLE STRUCTURES. (2-6) *Credit 4*. II. Analysis, design and cost estimates for simple buildings, girders, and trusses of steel; reinforced concrete and timber; economic selection and specifications of members and elements. Prerequisite: Civil Engineering 313.
353. GEOLOGY. (3-0) *Credit 3*. II. General principles of geology and their application to engineering problems. Prerequisite: Chemistry 124.
363. FLUID MECHANICS. (3-0) *Credit 3*. I. The laws governing the action of fluids at rest and in motion, as related to engineering problems; the measurement of the flow of fluids; the description and theory of reaction turbines, impulse wheels and centrifugal pumps. Prerequisite or parallel: Civil Engineering 243.
410. INSPECTION TRIP. *Non Credit Course*; required of all seniors.
412. WATER SUPPLY ENGINEERING. (0-6) *Credit 2*. I. Finances, hydraulics, demands, resources, reservoirs, pipe lines, pumping machinery, materials, distribution systems. Prerequisite: Civil Engineering 363.
413. REINFORCED CONCRETE. (2-0) *Credit 3*. I. Properties of concrete, effect of water cement ratio, design of beams and floor systems; rigid frame construction, columns, retaining walls, masonry dams, and pile footings. Prerequisite: Civil Engineering 313.
414. STRUCTURAL DESIGN. (2-6) *Credit 4*. I. Theory of design and design of framed structures. Primarily, building design. Prerequisite: Civil Engineering 313.
422. SEWERAGE. (0-6) *Credit 2*. II. Sewerage systems, surveys and plants, hydraulics, house sewerage, rainfall and storm-water flow, size and capacity of sewers, appurtenances, estimates, and specifications construction. Prerequisite: Civil Engineering 363.
423. CONTRACTS, SPECIFICATIONS AND ENGINEERING REPORTS (3-0) *Credit 3*. II. A study of contracts, specifications and reports required by engineers; preparation of documents. Prerequisite: Senior standing.

425. **STRUCTURAL DESIGN.** (3-6) *Credit 5.* II. Design of Civil Engineering structures. Welded and riveted connections. Working drawings including the necessary details for actual construction, economic considerations, the correlation of analysis and design. Mostly steel and timber structures. Prerequisite: Civil Engineering 432.

432. **STRUCTURAL ANALYSIS II.** (2-0) *Credit 2.* I. Continuation of Civil Engineering 323. Prerequisite: Civil Engineering 323.

433. **HIGHWAY ENGINEERING.** (2-3) *Credit 3.* I. Highway laws and the administration of street and highway improvements; the design and construction of streets and highways. Prerequisite: Civil Engineering 324.

443. **ENGINEERING CONSTRUCTION.** (3-0) *Credit 3.* II. Management of construction projects; methods of construction, equipment, form design, quantity take-offs and estimating; frequent visits to building projects. Prerequisite: Senior standing.

463. **FOUNDATIONS.** (3-0) *Credit 3.* II. Design of foundations for pavements, bridges, and buildings. Prerequisite: Civil Engineering 343.

FOR GRADUATE AND UNDERGRADUATE CREDIT

503. **EARTH AND MASONRY STRUCTURES.** (2-3) *Credit 3.* I, II. Design and construction of dams, retaining walls, abutments and piers, culverts, grain elevators and bins.

513. **PUBLIC HEALTH ENGINEERING.** (3-0) I. Design of water purification works and principles of sanitation.

533. **REINFORCED CONCRETE DESIGN.** (2-3) *Credit 3.* I. Theories of action beams, slabs and columns of reinforced concrete; codes and specifications and their influence on design; effect of continuity.

563. **STATICALLY INDETERMINATE STRUCTURES.** (1-6) *Credit 3.* II. Outer forces, reactions, moments and shears for fixed and moving loads, the use of influence lines, the determination of deflections of structures by methods of moment areas, elastic loads, virtual work and Williot diagrams. Methods of solution for stresses in statically indeterminate structures by virtual work, slope deflection, and moment distribution. Continuous beams, trusses, building frames and arches. Prerequisite: Civil Engineering 323.

ELECTRICAL ENGINEERING

213. **BASIC ELECTRICAL ENGINEERING.** (3-0) *Credit 3.* II. Introduction to the fundamentals principles underlying all branches of electrical engineering; the analysis of electric, magnetic, and electrostatic circuits. Prerequisite or parallel: Physics 125 and Mathematics 314.

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

311. **DIRECT-CURRENT MACHINERY LABORATORY.** (3-0) *Credit 1.* I. Characteristics of direct-current machines. Prerequisite or parallel: Electrical Engineering 333.

313. **INTRODUCTION TO CIRCUIT ANALYSIS.** (3-0) *Credit 3.* I. Electric and magnetic units and circuits; graphical and mathematical treatment of periodic current circuits; special problems in alternating current network; electrostatic circuits; wave analysis. Prerequisite: Physics 215, 225; Math. 223, and registration in Math. 313.

314. ALTERNATING-CURRENT CIRCUIT. (4-0) *Credit 4*. I. A mathematical treatment of alternating-current phenomena in single and polyphase circuits. Prerequisite: Electrical Engineering 213.

333. DIRECT-CURRENT MACHINERY. (3-0) *Credit 3*. I. Principles of operation and characteristics of direct-current generators and motors. Prerequisite: Electrical Engineering 213.

341-381. ELECTRONICS LABORATORY. (0-3) *Credit 1*. I, II. Laboratory studies on the basic electronic circuits and characteristics and industrial electronic equipment.

343-383. ELECTRONICS RECITATION. (3-0) *Credit 3*. I and II. Fundamental principles of electronic tubes; study of electronic circuits, amplifiers, oscillators, and rectifiers. Prerequisite or parallel: Electrical Engineering 314.

371. ELECTRICAL MEASUREMENTS LABORATORY. (0-3) *Credit 1*. II. Measurement of resistance, current, electromotive force, capacity, inductance watts, and energy. Prerequisite or parallel: Electrical Engineering 373.

373. ELECTRICAL MEASUREMENTS RECITATION. (3-0) *Credit 3*. II. Methods for electrical and magnetic measurements; resistance, capacity, electromotive force, current, inductance, and power. Prerequisite: Electrical Engineering 314.

412. ALTERNATING-CURRENT MACHINERY LABORATORY. (0-6) *Credit 2*. I and II. Experiments illustrating the characteristics of alternating-current circuits and transformers. Prerequisite or parallel: Electrical Engineering 413.

413. ALTERNATING-CURRENT MACHINERY RECITATION. (3-0) *Credit 3*. I. Principles of design, construction, and operation of transformers, alternating-current generators, polyphase induction motors, synchronous motors, converters, rectifiers and accessory apparatus. Prerequisite: Electrical Engineering 314.

413A. ALTERNATING-CURRENT, CIRCUITS AND APPARATUS. (3-0) *Credit 3*. II. A special course in alternating-current circuits and machinery for mechanical engineering students. Prerequisite: Electrical Engineering 333.

453. WIRING AND ILLUMINATION. (3-0) *Credit 3*. I. Fundamentals of commercial and industrial wiring and illumination practice. Prerequisite: Senior standing in Electrical Engineering.

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

463. WIRE COMMUNICATION. (3-0) *Credit 3*. I. Principles of wire communication; telephone and telegraph switching systems, line loading, repeaters and carrier currents. Prerequisite: Electrical Engineering 314.

483. RADIO COMMUNICATION APPARATUS. (3-0) *Credit 3*. II. Fundamental circuits of and phenomena in radio communication apparatus; measurements of radio frequency circuit parameters; wave propagation; performance of transmitters and receivers. Prerequisite: Senior standing in Electrical Engineering.

493. ELECTRICAL COMMUNICATIONS LABORATORY. (0-9) *Credit 3*. I. Experimental methods in the solution of communication problems; theory and use of modern laboratory instruments; vacuum tubes and their circuits, artificial lines, and other networks, radio frequency and acoustical measurements; practice in designing and constructing components of communication systems. Prerequisite: Senior standing in Electrical Engineering, registration in Electrical Engineering 483.

FOR GRADUATE AND UNDERGRADUATE CREDIT

513. ADVANCED COMMUNICATION CIRCUIT ANALYSIS. (3-0) *Credit 3*. Theorems and properties of communication networks in steady-state and transient conditions.

523. ULTRA-HIGH FREQUENCIES. (3-0) *Credit 3*. I, II. Radio transmission and reception, including ultra-high frequency techniques.

533. ELECTRIC POWER GENERATION. (3-0) *Credit 3*. I, II. Economics and technique of electric power generation. Effect of load curve on costs; thermal efficiency and commercial economy of various heat cycles; General layout of the generating station; division of load among generating units; by products generation.

574. TELEVISION. (3-3) *Credit 4*. I and II. Theory of scanning television, cathode-ray tubes, pulse generators, video amplifiers and circuits, and television transmitters and receivers. Prerequisite: Electrical Engineering 523.

GENERAL ENGINEERING

106. INDUSTRIAL DRAWING. (0-18) *Credit 6*. I. Technical sketching and mechanical drafting; graphic and pictorial drawings of building plans and mechanical equipment; blueprint reading; charts, graphs; and topographic drawing.

111-121. ENGINEERING LECTURES. (1-0) *Credit 1*. I, II. Fundamental principles of profession; a general survey of field; reviews of articles in the technical press; reports of engineering projects; industrial experiences and lectures by prominent men engaged in the profession.

113. ENGINEERING DRAWING. I. (1-6) *Credit 3*. I. Use of drafting instruments; freehand Gothic and Roman lettering (vertical and inclined); introductory orthographic projection; isometric drawing; freehand technical sketching, dimensioning, and tracing with pencil on vellum tracing paper, and in ink on tracing cloth.

122. DESCRIPTIVE GEOMETRY. (0-6) *Credit 2*. II. Principles of descriptive geometry, as related to the projection of points, lines, planes, and solids, and their applications to problems of engineering and architecture; development, intersections, double curved and warped surfaces. Prerequisite: Engineering Drawing 113.

132-142. GENERAL DRAWING. (0-6) *Credit 2*. I and II. Drafting to meet the needs of individuals taking trade and industrial work.

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

152. SHEET-METAL DRAFTING. (0-6) *Credit 2*. I. Application of descriptive geometry to sheet-metal construction; intersections, developments, lofting problems and bend allowances. Prerequisite: General Engineering 122.

162. PROBLEMS AND SLIDE RULE. (1-3) *Credit 2.* II. Solution of simple engineering problems; use of the slide rule; and the correct form of presenting problem work.

173. MOTION PICTURE PROJECTION. (2-3) *Credit 3.* I. Operation and maintenance of 16 m.m. and 35 m.m. sound motion picture projectors; handling of film; use of modern booth accessories; actual operating experience in the College Theatre; inspection trips through theatre booths in the neighboring cities.

212. ENGINEERING DRAWING II. (0-6) *Credit 2.* I. Review of orthographic projection; working drawings, isometric, oblique, perspective, chart, and diagram, topographical, instrumental, and wiring diagrams.

222. PRODUCTION DRAFTING. (0-6) *Credit 2.* II. Application of orthographic, pictorial and perspective drawing to assembly, disassembly and exploded views.

223. ENGINEERING DRAWING. III. (1-6) *Credit 3.* II. Continuation of General Engineering 212. Prerequisite: General Engineering 212.

253. BUSINESS RELATIONS. (3-0) *Credit 3.* I. Basic principles of business organization, operation, and management.

263. SHOP MANAGEMENT. (3-0) *Credit 3.* II. Problems of the supervisory staff of an industrial enterprise such as selection and arrangement of equipment, standardization, routing and dispatching, cost and wage systems and other factors closely applied to production as well as job shop.

273. HOUSEHOLD MECHANICS. (2-3) *Credit 3.* I. Practical and theoretical training in the maintenance of various home appliances; the upkeep of household furnishings; fire protection, and minor repairs.

283. DRAFTING-ROOM MANAGEMENT. (2-3) *Credit 3.* II. Organization and equipment of commercial drafting rooms; standards, orders, routing, checking alterations, filing, reproduction, library; and special problems in drafting.

FOR UNDERGRADUATE AND GRADUATE CREDIT

513. ADVANCED SHOP PRACTICE. (2-3) *Credit 3.* I. Opportunity is offered to specialize, to a limited degree, along such lines as heat treatment, machine tool work, welding, jib, fixtures, pattern making, and any shop work that may be of special interest to the student. All assignments must be approved by the Dean of the Engineering School.

523. SURVEY OF INDUSTRIAL PRODUCTS. (1-6) *Credit 3.* I and II. Survey of the design methods used in industry; methods of presentation; production methods; and client designer relations. Prerequisites: General Engineering 122 and Architecture 212.

562. ADVANCED DESCRIPTIVE GEOMETRY. (1-5) *Credit 2.* I, II. Graphical representation and the application of plane and space curves; advanced problems in single curved and doubled curved surfaces including the convolute and their developments; fundamentals of perspective and other pictorial means of representation.

INDUSTRIAL EDUCATION

213. PRINCIPLES OF INDUSTRIAL EDUCATION. (3-0) *Credit 3.* I. An introductory course in Industrial Education outlining present philosophical concepts of industrial education. A developmental study of the pro-

grams that make up modern industrial education, including industrial arts, vocational industrial education, apprenticeship and school-industry programs. An outline study of the teaching methods, organization systems, aims and objectives and requirements of prospective teachers of industrial education and probably future trends in the field of industrial education.

273. SHOP ORGANIZATION AND MANAGEMENT. (3-0) *Credit 3*. I. Shop planning, management, organization, supply sources, types of shops, shop plans, selection, purchase, installation, arrangement of equipment, shop class organization, pupil personnel management. Records, including inventories, progress charts, reports, requisitions, etc.

343. TRADE AND JOB ANALYSIS. (3-0) *Credit 3*. II. A study of analysis technique as it has been developed by various leaders in industrial education; job analysis for the purpose of determining the content of training for an occupation; related content analysis for determining what should be taught as classroom material; analysis of a trade, industry or industrial plant for determining the general outline of a program of trade or industrial training. (For undergraduates only.)

423. TEACHING PROBLEMS IN INDUSTRIAL EDUCATION. (3-0) *Credit 3*. II. Problems that confront a beginning industrial education teacher; brief historical study of industrial education; relationship of industrial education to other phases of education; selection of subject matter; preparation and presentation of instructional materials; teaching plans, tests, and standard evaluating devices for measuring results. Prerequisite: 24 hours of Industrial Education.

406. SUPERVISED TEACHING IN INDUSTRIAL EDUCATION. (3-9) *Credit 6*. I and II. Directed observation of teaching, followed by actual supervised teaching for the individual student. Prerequisite: 30 hours of Industrial Education and I. E. 273.

FOR GRADUATE AND UNDERGRADUATE CREDIT

513. CURRICULUM CONSTRUCTION AND COURSE MAKING IN INDUSTRIAL EDUCATION. (3-0) *Credit 3*. I. Principles of curriculum construction and course making. Curriculum concepts in modern education; comparative study of industrial education curricula as used throughout leading high schools; analytical technique in curriculum construction; course making and syllabus construction.

523. TEST AND MEASUREMENTS IN INDUSTRIAL EDUCATION. (3-0) *Credit 3*. II. Sources of instructional testing and evaluating materials; construction and use of test and evaluating devices; administering, scoring, recording and interpreting tests, progress charts, diagnosis of difficulties, analysis of teaching problems as related to evaluation.

533. INSTRUCTIONAL METHODS IN INDUSTRIAL EDUCATION. (3-0) *Credit 3*. I. Methods, devices, techniques as applied to teaching industrial subjects; analysis and evaluation of student learning difficulties and teaching responsibilities in industrial classes; nature, preparation and use of instruction sheets.

563. THE GENERAL SHOP. (3-0) *Credit 3*. II. The general shop organization; its contribution to attainment of cardinal objectives on the modern high school; current practices as to type of shops, equipment, instructional materials and procedures.

583. INDUSTRIAL ARTS FOR ELEMENTARY SCHOOL. (3-0) *Credit 3.* I and II. For teachers, supervisors, principals of elementary schools; fundamental concepts, philosophies of industrial arts in the elementary school; function and scope, organization, administration, activities and methods of teaching industrial arts on the elementary level.

593. AUDIO AND VISUAL EDUCATION. (3-0) *Credit 3.* II. Various audio available materials in the field; practical experience in use of aids as construction and development of various aids and devices; sources of and visual aids; selection, evaluation and technique of educational use; movie projectors, slides, film strips, opaque projects, etc.

*VOCATIONAL-INDUSTRIAL EDUCATION

The following courses are designed to meet the certificate requirements of Vocational-Industrial Education teachers under the Smith-Hughes Act, the George-Gorden Act and the Texas State Plan for Vocational Education. College credit on the undergraduate level may be arranged for these courses with the written approval of the teacher-trainer for Vocational Education and the Dean of the Engineering School.

402. INTRODUCTION TO TRADE AND INDUSTRIAL TEACHING. Orientation Course: 10 to 30 clock hours. Definition of vocation education, fields of vocational education; type of classes, requirements; the administration for vocational educational education; courses and course material available and the organization of a course; analysis of teaching and lesson content.

412. DEVELOPMENT, ORGANIZATION AND USE OF INSTRUCTIONAL MATERIAL. 45 clock hours. The study of available instructional material and its adaptation; the development and preparation of teaching aids; the organization of material for effective coordination with courses of study.

422. METHODS OF TEACHING. 45 clock hours. A brief review of how people learn; evaluation of various teaching methods; the adaptation of methods to types of lesson for effective instruction; the "4-step method" of presenting lessons; analysis for lesson content; preparation of lesson plans and practice teaching.

432. SHOP AND CLASSROOM ORGANIZATION AND MANAGEMENT. 45 clock hours. Organization plans for classrooms and shops for efficient instruction and management, including roll-keeping, grading, recording, and reporting systems; specifying, purchasing, receiving, storing, installing, and inventorying of tools, equipment, and supplies; heating, lighting, ventilation, sanitation and accident prevention; recitation and library centers; tool, supply and project storing and issuing systems.

442. ANALYSIS AND COURSE MAKING. 45 clock hours. A study of analysis available in the teacher's field of work; reviewing systems of analysis; adaptation of principles of analysis to fit the teacher's needs; the organization of a course of study to fit the teacher's specific needs developed from the adopted, modified, or developed analysis.

462. AIMS AND OBJECTIVES OF VOCATIONAL EDUCATION. 30 clock hours. A basic course for administrators, supervisors, and teachers; history and aims of vocational education; its economic, social, and educational values; different phases of vocational education; Federal and State laws; training of teachers.

* Offered in summer session only.

472. SELECTION, PLACEMENT, AND FOLLOW-UP IN VOCATIONAL EDUCATION. 45 clock hours. Factors which influence the schooling, work opportunities, and educational objectives of young people; techniques of interviewing and advising young people in regard to vocational courses; factors affecting placement in suitable employment either part or full-time; methods of follow-up and coordination.

482. DEVELOPMENT AND USE OF VISUAL AIDS. 45 clock hours. The study of visual aids on the commercial market and their adaptability to vocational education; the development of types of visual aids and techniques teachers can use for more effective teaching. These are to include motion pictures, strip films, slides, cut-aways, blow-ups, mock-ups, posters, charts, pictures and blackboard illustrations.

492. PROBLEMS IN COOPERATIVE TRAINING. 45 clock hours. A review of the duties of the teacher-coordinator; the solution of actual problems; procedures and techniques involved in community surveys; interpretation of survey data; program expansion; guidance and counselling; organization and coordination of all types of part-time and evening classes.

MECHANICAL ENGINEERING

112. WELDING AND HEAT TREATMENT. (0-6) *Credit 2*. I. General metal work; gas and electric welding, the heat treatment of metals.

211-221. PATTERN MAKING, FOUNDRY AND WELDING. (0-3) *Credit 1*. I, II. Simple pattern layouts and construction of patterns; pattern storage; costs and weights of patterns and casting; kiln-drying and moisture fired furnaces; moulding sands; coremaking; foundry layouts; and practice in moulding and casting both ferrous and non-ferrous metals; gas and electric welding. Prerequisite: Chemistry 124.

212. WELDING ENGINEERING. (0-6) *Credit 2*. I or II. Welding processes; metallurgy, metallography, physical tests, and inspection of machines and structures. Prerequisite: Mechanical Engineering 112; sophomore standing.

222. HEAT TREATMENT OF METALS. (0-6) *Credit 2*. I or II. Heat Treatment and metallurgy of steel and non-ferrous alloys; heat treating operations; microstructure and physical properties; hardenability, grain size testing, and machineability; heat treating operations as applied in production. Prerequisite: Mechanical Engineering 112; sophomore standing.

242. WELDING, HEAT TREATMENT AND FOUNDRY PRACTICE. (0-6) *Credit 2*. Similar to Mechanical Engineering 211 but designed for non-mechanical engineering students. Prerequisite: Chemistry 124.

312. MACHINE SHOP AND TOOL DESIGN. (0-6) *Credit 2*. I. An introduction to machine shop practice and tool design to meet the needs of non-mechanical engineering students. Prerequisite: Mathematics 123.

314. THERMODYNAMICS. (4-0) *Credit 4*. I. Transformation of energy, theoretical limitations; second law, absolute temperature, entropy and available energy; properties of gases, liquids, vapors and vapor mixtures. Prerequisite: Mathematics 224; Physics 215 and 225.

322. HEAT POWER LABORATORY. (0-6) *Credit 2*. II. Practical experience with steam engines, boilers, turbines, internal combustion engines, fuels and combustion, power plant equipment and air compressors.

323. HEAT POWER ENGINEERING. (3-0) *Credit 3*. II. Heat power engineering including steam engines, boilers, turbines, internal combustion engines, fuels and combusting, power plant equipment, and air compressors. Prerequisite: Mechanical Engineering 314.

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

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

351. PATTERN MAKING. (0-3) *Credit 1*. I. Design and production of wood and metal patterns; core making. Prerequisite: General Engineering 223, Mechanical Engineering 112.

362. FOUNDRY. (0-6) *Credit 2*. II. Floor bench, and machine moulding; brass furnace and cupola practice; metallurgy of gray iron; sand testing. Prerequisite: General Engineering 223, junior standing.

411. HEAT POWER LABORATORY. (0-3) *Credit 1*. I and II. Heat power equipment for non-mechanical engineering students.

413. MECHANICAL ENGINEERING LABORATORY. (1-6) *Credit 3*. I. Instruments and tests of steam prime movers, boilers, pumps, fans, internal combustion engines, air compressors, air conditioning equipment, and flow of compressible media; engineering reports.

415. MECHANICAL ENGINEERING DESIGN. (3-6) *Credit 5*. II. Design of machinery subjected to heavy variable stresses. Prerequisite: Civil Engineering 322 and 313; Mechanical Engineering 333.

423. HEAT ENGINEERING. (3-0) *Credit 3*. II. Principles of thermodynamics; properties of 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. (3-3) *Credit 4*. II. Steam boilers and water heaters; direct and indirect heating, gravity systems; district heating, ventilation on air analysis; air conditioning. Prerequisite: Mechanical Engineering 314.

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

463. INDUSTRIAL MANAGEMENT. (3-0) *Credit 3*. II. Problems of the industrial executive; organization; plant location; selection and arrangement of buildings and equipment; production planning and control; simplification and standardization; time and motion study; job methods standardization; control of inventory and costs; personnel and problems and business policy.

FOR GRADUATE AND UNDERGRADUATE CREDIT

503. REFRIGERATION. (3-0) *Credit 3*. I or II. The application of thermodynamics to problems of refrigeration; types of refrigerating machines

and plants, refrigerants, ice making, cold storage, cooling of air, liquids, and solids; construction details of commercial and household refrigerating plants and their economic operation.

523. FLOW OF FLUIDS AND HEAT TRANSFER. (3-0) *Credit 3.* I or II. Review of first and second laws of thermodynamics, compressors, refrigeration cycles; the design of apparatus for heat transfer by conduction, convection, and radiation; heat exchanges, air preheaters, economizers, evaporators, boilers and condensers, transformation of heat and work.

TRADE AND TECHNICAL COURSES

AUTOMOBILE MECHANICS

102-202. AUTO MECHANICS. (0-6) *Credit 2.* I and II. Auto Mechanics as an industry course for students of the School of Arts and Sciences only.

112 - 113 - 122 - 123; 117 - 127. ELEMENTARY AUTO MECHANICS. (0-6) (1-6) (2-15) *Credit 2, 3, 7.* I and II. History and development of the automobile; care and use of tools and study of parts; general service testing and repairing lights, starters, generators, ignition systems, and carburetors.

212-213-217. PRACTICAL AUTO MECHANICS. (0-6) (1-6) (2-15) *Credit 2, 3, 7.* I. Types of fuel, lubricants, motor tests and repairs; types of motors, clutches and brakes.

222-223-227. ADVANCED AUTO MECHANICS. (0-6) (1-6) (2-15) *Credit 2, 3, 7.* II. Types, installing and adjusting of clutches; transmission, bearings and differentials; garage management.

243. BODY AND FENDER REPAIR. (1-6) *Credit 3.* II. Theory and practice in use and care of tools, materials and equipment for body and fender repair work. Straightening, bending, brazing, sanding, finishing; painting, polishing, porcelaining in body work.

BROOM AND MATTRESS MAKING

112-212. BROOM AND MATTRESS MAKING. (0-6) *Credit 2.* I and II. Broom and mattress making as an industry course for students of School Arts and Sciences only.

113. ELEMENTARY BROOM MAKING. (1-2) *Credit 3.* I. Theory and practice of assorting broom corn; trimming and seeding machinery; dyeing and bleaching; use and care of tools and machinery.

117. ELEMENTARY BROOM MAKING. (2-15) *Credit 2.* I. Assortment of broom corn; trimming and seeding machinery; putting the corn into working order; dyeing and bleaching broom corn; names and care of tools and machinery; making plain light household broom; scraping, sewing, clipping, and bunching brooms. (For trade students only.)

123. ELEMENTARY MATTRESS MAKING. (1-2) *Credit 3.* II. Theory and practice in use and care of mattress making tools and machines, measuring, cutting and making ticking for the 1-2, 2-3, and 3-4 mattresses.

127. **ADVANCED BROOM AND MATTRESS MAKING.** (2-15) *Credit 7.* II. Large household brooms; warehouse brooms; different types and styles of finishes; whisk brooms; ceiling or wall brooms; quantity and cost estimating; mop making; different kinds and grades of mattress ticking; cutting and making ticking for the full mattress; duofold mattresses, day bed and baby bed; non-tack and sectional feather mattresses, making pillows and renovating mattresses. (For trade students only.)

213. **ADVANCED BROOM MAKING.** (1-2) *Credit 3.* I. Theory and practice in making large household brooms, warehouse broom, etc., different types and styles of brooms, cost estimating.

217. **ELEMENTARY MATTRESS MAKING.** (2-15) *Credit 7.* Nomenclature, use and care of mattress making tools and machines; measuring, cutting and making ticking for the 1-2, 2-3, and 3-4 mattresses. (For trade students only.)

223. **ADVANCED MATTRESS MAKING.** (1-2) *Credit 3.* II. Continuation of course Mattress Making 123 to include cost accounting.

227. **BROOM AND MATTRESS MAKING. II.** (2-15) *Credit 7.* II. Continuation of courses 127. (For trade students only.)

CARPENTRY

117. **ELEMENTARY CARPENTRY I.** (2-15) *Credit 7.* Name, use and care of tools, materials and equipment; woods, wood joints, techniques and methods of house construction; surveying and studying building sites, laying out from blueprints, practicing elementary frame construction. (For trade students only.)

127. **ELEMENTARY CARPENTRY II.** (2-15) *Credit 7.* Continuation of Carpentry 117. Study and practice in the various methods, techniques and styles of framing; simple rafter cutting and stair building. (For trade students only.)

217. **ADVANCED CARPENTRY I.** (2-15) *Credit 7.* I. Continuation of Carpentry 127. Advanced framing complex roof and stair construction; close-in and finished carpentry work studied and practiced; hardware and other utilities installed and studied. (For trade students only.)

224. **GENERAL CARPENTRY.** (2-6) *Credit 4.* II. Designed for Industrial Education students. Information and skills in the laying out, framing, and finishing small frame buildings.

227. **ADVANCED CARPENTRY. II.** (2-16) *Credit 7.* Continuation of Carpentry 217. The use of power machines in carpentry work; techniques of mass production in the manufacturing of prefabricated homes; millwork techniques in the construction of cabinets, stairs, doors, windows, interior and exterior trim. (For trade students only.)

DRY CLEANING

112-212. **DRY CLEANING.** (0-6) *Credit 2.* I and II. Dry Cleaning as an industry course for School of Arts and Sciences students only.

113. **DRY CLEANING.** (0-9) *Credit 3.* I. First steps in the care of fabrics; woven fabric construction; leathers and fur; cleaning fluid other than water; inspection of materials for cleaning; dry cleaning equipment and its care; static electricity, its prevention; motors, belts and their care; dry cleaning aids.

117. DRY CLEANING. (2-15) *Credit 7*. I. Dry Cleaning and spotting, fibers in fabric; moisture, its source and effect; materials that may be dry cleaned; dry cleaning equipment and its care; dry cleaning solvent; inspecting garments for cleaning.

123. DRY CLEANING. (0-9) *Credit 3*. II. Soil in garments and sorting; care of garments in cleaning; fur and leather cleaning; purification of dirty-used solvent; first steps in the spotting of garments; wool fibers, artificial wool fibers, their behavior; pure silk, weighted silk and its behavior; rayon, two classifications discussed.

127. DRY CLEANING. (2-15) *Credit 7*. II. Miscellaneous cleaning problems, chemical analysis and trouble finding, spotting of garments, pure silk and its behavior; rayon fabric behavior and identification.

213. DRY CLEANING. (0-9) *Credit 3*. I. Cotton, its origin and use; linen, jute and tinsel fibers, their use, behavior and identification; identification of all fibers in plant practices; spotting, basic dyestuffs, acid dyestuff, color change of dyestuff in wear, storage, cleaning.

217. DRY CLEANING. (2-15) *Credit 7*. I. Cotton, its origin, use, behavior and identification; identification of fibers as an aid in all cleaning plant practices; basic dyestuffs; acid dyestuffs; color change of dyestuff in wear, storage, staining, cleaning; stains and how to know them.

223. DRY CLEANING. (0-9) *Credit 3*. II. Simple tests to know all dyestuffs; equipment, its care and operation; policies, good and bad, in receiving dyeing; study chart for over dyeing; chart for tinting; blending colors.

227. DRY CLEANING. (2-15) *Credit 7*. II. Spotting tools; their use and care; wet and dry system, its use and limits; pressing, all types of materials, silk finishing; shop management.

313. DRY CLEANING. (0-9) *Credit 3*. I. Wet cleaning; working policies, good and bad; when wet cleaning is all-important; testing fabrics before wet cleaning; equipment, soaps, bleaching.

323. DRY CLEANING. (0-9) *Credit 3*. II. Bleaching; bleaching and dyeing fur; testing dyes in fabric before work jobs; desizing agents, strippers; tinting; blueing and topping practices.

413. DRY CLEANING. (0-9) *Credit 3*. I. A spotting chart to study covering 600 common stains.

423. DRY CLEANING. (0-9) *Credit 3*. II. Pressing all types of materials; silk pressing; silk finishing; shop management.

ELECTRICAL MAINTENANCE AND REPAIR

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

112-122. ELEMENTARY ELECTRICITY. (0-6) *Credit 2*. I and II. Fundamental principles of electricity and electrical machinery; construction, simple wiring; theory of magnetic and direct current circuits.

112A-122A. ELECTRICAL LABORATORY. (0-6) *Credit 2*. I and II. Laboratory experiments involving the fundamentals of electricity and magnetism and their industrial applications.

113-123. ELECTRICAL WIRING AND REPAIR. (0-9) *Credit 3.* I and II. Practice in house wiring; general repairs to wiring and electrical equipment; installation and servicing of motors, telephones, transformers and generators.

115. DIRECT CURRENT APPARATUS AND CIRCUITS. (0-15) *Credit 5.* I. Direct current circuit and magnetic circuit theory and calculations; principles of design and construction of direct-current, motors and generators; theory, concerning torque, flux, speed, voltage and speed regulation, commutation, and armature reaction of shunt and compound machines, parallel operations, and mechanical couplings of electrical machinery; theory and practice of direct current control equipment for generators and motors.

125. ALTERNATING-CURRENT APPARATUS AND CIRCUITS. (0-15) *Credit 5.* II. Relations of simple harmonic electromotive forces and current phase differences; active, reactive, and apparent power, power factor and reactive factor, resistance, inductance, and capacitances; series, parallel, and resonant circuits; polyphase circuits, balanced and unbalanced; construction, characteristics and operation of alternators, induction motors, transformers, synchronous motors, synchronous converters, mercury-arc rectifiers and their regulating and control devices; fundamentals of telephone transmission. Prerequisite: Electricity 115.

132. DIRECT-CURRENT MOTOR-GENERATOR REPAIR. (0-6) *Credit 2.* I. Repair of direct-current motors and generators.

142. ALTERNATING-CURRENT MOTOR-GENERATOR REPAIR. (0-6) *Credit 2.* II. Repair of alternating-current motors and generators.

212-222. ELECTRICAL THEORY. (2-0) *Credit 2.* I and II. Prerequisite: Course 122. Continuation of course 122.

215. ELECTRICAL MEASUREMENTS. (0-15) *Credit 5.* I. Electrical and magnetic units and standards; direct current and low frequency measurements; theory, calibration, and use of laboratory standards, and of potential transformers, and portable direct-current and alternating-current instruments; magnetic flux density measurement and core loss in iron; measurements for resistance, reactance, capacitance impedance, voltage current, and power factor; audio-frequency measurements. Prerequisite: Electricity 125.

225. WIRING AND ILLUMINATION. (0-15) *Credit 5.* II. Fundamentals of commercial and industrial wiring and illumination practice. Prerequisite: Electricity 215.

LAUNDERING

112-212. LAUNDERING. (0-6) *Credit 2.* I, II. Laundering as an industry course for School of Arts and Sciences students only.

113. ELEMENTARY LAUNDERING. (1-6) *Credit 3.* I. Laundry terms, care and operation of machinery; kind of machinery; use and structure of machines.

123. ELEMENTARY LAUNDERING. (1-6) *Credit 3.* II. Checking-in marking and separation of garments; finishing flat work; starch work and other wearing apparels.

213. LAUNDERING. (1-6) *Credit 3.* I. Classification; mechanical aids to washing; chemical aids to washing; the washing formula.

223. LAUNDERING. (1-6) *Credit 3*. II. White work washing processes; washing processes for colors, silk, rayons and woolens.

313. LAUNDERING. (1-6) *Credit 3*. I. Uses of laundry chemicals; soaps and their properties; disinfectants, acids and sour; stain removals; practical experience.

323. LAUNDERING. (1-6) *Credit 3*. II. Preparation and application of chemical aids to washing soaps; alkali sour bleach; uses of mechanical aids to washing; the structure of the washwheel, automatic devices, capacity.

413. ADVANCED LAUNDERING. (1-6) *Credit 3*. I. Washroom tests, how to make them, testing of water for hardness, testing for alkalinity, sour. Testing for strength of bleach solution.

423. ADVANCED LAUNDERING. (1-6) *Credit 3*. II. Routing the materials through the plant; floor plans for plant lay-out; laundry records, book-keeping, management and the route salesman.

MACHINE SHOP PRACTICE

112-122. ELEMENTARY MACHINE SHOP PRACTICE. (0-6) *Credit 2*. I, II. Care and use of tools; laying out work; cutting, filing, and drill press work, lathe turning, drill press, and shaper work. An industry course for Arts and Sciences students only.

113. METAL WORK. (1-6) *Credit 3*. I. Instructional units that lay a foundation for advanced metal work; hand tools, precision measuring instruments, drilling, forging, heat treating and selection and use of metals.

117-127. METAL WORK. (2-15) *Credit 7*. I and II. Use and appreciation of machine tools; laying-out filing, scraping, machine parts, drilling, reaming, counterboring and tapping, tool grinding, straight and taper turning, screw cutting, milling, cylindrical and surface grinding, and chucking; cutting angles and adjustment of cutting angles and adjustments of cutting tools and cutting speeds for each material worked.

124. MACHINE SHOP I. (2-6) *Credit 4*. I. Fundamental operations such as chucking, facing centering, straight and taper turning, plain milling, plain shaping, and surface grinding.

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

215, 222-227. ADVANCED MACHINE SHOP PRACTICE. (0-15) (0-6) (2-15) *Credit 5, 2, 7*. II. Lathe study; counter sinking; setting up work in lathes; plain turning and tool grinding; cutting right and left hand threads; chuck and mandrel work taper turning, boring in lathe, boring to dimensions; milling machine; a thorough study of the index head, milling square surfaces, hexagonal surfaces, etc.; milling keyways for plain and woodruff keys; gear cutting, spur gears, miter gears, etc.; practice jobs: use of drill, planer, shaper, lathe and miller.

313. TOOL MAKING. (1-6) *Credit 3*. I. Making jigs and fixtures and special tooling for quantity production of some mechanical unit to be produced in the shop. Emphasis on modern precision tool making methods. Prerequisite: Mechanical Engineering 312 and 362.

323. MATERIALS AND PROCESSES. (1-6) *Credit 3*. II. Materials, their limitations and usefulness; techniques of processes, their relative importance industrially and their relation to one another in a complete understanding of the entire manufacturing process of a machine or part; correct use of a machine or part and correct use of technological terms.

414. MACHINE SHOP II. (2-6) *Credit 4*. II. The operation of basic machine tools, such as lathes, shapers, milling machines and grinders, including such operations as boring, thread-cutting, indexing, shaping, surface and cylindrical grinding. Prerequisite: Machine Shop I.

MASONRY

112-212. MASONRY. (0-6) *Credit 2*. I, II. Masonry as an industry course for School of Arts and Sciences students only.

113. ELEMENTARY BRICKLAYING. (1-6) *Credit 3*. I. Use, care and values of tools; the common materials and methods used in bricklaying; mortar making and spreading; laying straight walls using standard bonds.

123. ELEMENTARY MASONRY. (1-6) *Credit 3*. II. Spread and stepped footings; foundations, walls and piers in concrete, plain and reinforced concrete mortars, underpinning; laying out foundations; excavating.

213. INTERMEDIATE MASONRY. (1-6) *Credit 3*. I. Theory and practice in building walls using various structural bonds, running veneer wall against hollow tile and frame backings; building construction work to include opening, arches, builder's iron, windows, doors, flues and vents.

223. PLASTERING. (1-6) *Credit 3*. I. Theory and practice in use, care, value of plastering tools; proportioning, mixing of mortars; application and finishing of plain and ornamental plastering including stucco work.

313. ESTIMATING AND MATERIALS. (1-6) *Credit 3*. I. Use and properties of brick, stone, ceramic tile, terra-cotta-hollow tile, cements, aggregates, steels and other masonry materials; estimating of cost in brickwork, concrete, tile, plastering; reading and working with builders plans.

323. ORNAMENTAL CONCRETE. (1-6) *Credit 3*. II. Theory and practice of ornamental and decorative work in concrete, moldings, pedestals, columns, pottery, vases, benches and other decorative work.

413. CONCRETE, STONE AND TILE WORK. (1-6) *Credit 3*. I. Theory and practice of simple reinforced concrete work, forms; mixing and placing concrete; testing; finishing; stone cutting, setting, tile and brickwork.

423. ADVANCED MASONRY. (0-9) *Credit 3*. II. Theory and practice in special construction in brick and concrete work; laying fire brick, dry bricklaying, fireplace work, gate piers, garden walls, etc.

PAINTING

112-212. ELEMENTARY PAINTING. (0-6) *Credit 2*. I, II. Elementary painting as an industry course for students in the School of Arts and Sciences.

113. ELEMENTARY PAINTING. (2-15) *Credit 7*. I. Various kinds of paints, varnishes, stains, lacquers, and their ingredients; the relation and recognition of colors; tools, equipment and their uses; practical experience.

117. ELEMENTARY PAINTING. (2-15) *Credit 7*. I. Various kinds of paints, varnishes, stains, lacquers, and their ingredients; the relation and recognition of colors; tools, equipment and their uses; practical experience. (For trade students only.)

123. ELEMENTARY PAINTING. (1-6) *Credit 3*. II. Preparation for exterior surfaces; mixing and applying paints; the effect of weather conditions upon paint jobs; color analysis and color matching; practical experience.

127. ELEMENTARY PAINTING. (2-15) *Credit 7*. II. Preparation of exterior surfaces; mixing and applying paints; the affect of weather conditions upon a paint job; color analysis and color matching; practical experience. (For trade students only).

213. FURNITURE FINISHING. (1-6) *Credit 3*. I. Knowledge of woods used in the furniture building; use of stains, fillers, shellac and varnish and oils; producing natural, stain, varnish and oil finishings.

217. ADVANCED PAINTING. (2-15) *Credit 7*. I. Preparing interior surfaces; blending colors with furniture effects of position and light upon interiors; modernistic wall finishing; practical experience. (For trade students only).

223. UPHOLSTERING. (1-6) *Credit 3*. II. Knowledge of tools and materials for upholstering; re-upholstering simple pad back and cushion chairs; re-setting springs in over-stuffed furniture; use of webbing and pad and platform cloth.

227. ADVANCED PAINTING. (2-15) *Credit 7*. II. Simple steps in paper hanging; shop management and furniture finishing; estimating and practical experience. (For trade students only).

243. PAPER HANGING. (1-6) *Credit 3*. II. Knowledge and practicing the best methods of hanging wall papers; proper use and care of tools and equipment, preparing surfaces; measuring and cutting patterns and plain papers.

312. PAPER HANGING OR FURNITURE FINISHING. I. (0-6) *Credit 2*. I. Estimating and extensive practice. Prerequisites: Painting 312, 122, 222. (For trade students only).

313. ADVANCED PAINTING. (1-6) *Credit 3*. I. Preparing interior surfaces; blending color with furniture; affects of position and light upon interiors; modernistic wall finishing; practical experience.

322. PAPER HANGING OR FURNITURE FINISHING II. (0-6) *Credit 2*. II. Estimating and extensive practice. Prerequisite: Painting 312. (For trade students only).

323. ADVANCED PAINTING. (1-6) *Credit 3*. I. Advanced knowledge and experience of interior and exterior painting; producing flat, gloss and sand finish walls; blended, stippled, mottled and plastic finishes.

343. ADVANCED FURNITURE FINISHING. (1-6) *Credit 3*. I. Producing natural finishes with shellac, varnish and lacquer; graining and enameling; polishing and striping.

402. ESTIMATING AND SHOP MANAGEMENT IN PAINTING TRADE. (2-0) *Credit 2.* I, II. Experience in shop management, and job estimating; keeping accurate records of inventory; accurate records of general expenses; accurate calculations of time, material and labor cost of jobs.

413. ADVANCED PAPER HANGING. (1-6) *Credit 3.* I. Advanced work in the best methods of hanging high grade wall papers, plain and pattern; cutting and matching high grade papers; estimating the amount of materials for given jobs; practical experience to require speed, neatness, and accuracy.

423. ADVANCED UPHOLSTERY. (1-6) *Credit 3.* II. Best methods of estimating materials; re-upholstering over-stuffed chairs and sofas; re-upholstering curved backs; slip covering.

PLUMBING AND STEAM FITTING

112-212. PLUMBING AND STEAM FITTING. (0-6) *Credit 2.* I, II. Plumbing and steam fitting as an industry course for School of Arts and Sciences students only.

113. ELEMENTARY PLUMBING. (1-6) *Credit 3.* I. Theory and practice in measuring, cutting and threading steel pipe; cutting and caulking cast iron pipe; repairing faucets and cocks; soldering, grading, and laying sewer lines.

117. INDUSTRIAL AND ELEMENTARY PLUMBING. (2-15) *Credit 7.* I. Care and use of tools; plumbing and heating layouts; measuring, cutting and threading steel pipe; cutting and caulking cast iron pipe; repairing faucets and cocks; soldering, grading, and laying sewer lines. (For trade students only).

123. ELEMENTARY PLUMBING. (1-6) *Credit 3.* II. Theory and practice in lead work and gas pipe work.

127. INDUSTRIAL AND ELEMENTARY PLUMBING. (2-15) *Credit 7.* II. Leadwork; roughing in for, and setting fixtures on small plumbing and heating jobs; material bills, tapping and venting. (For trade students only).

203. RURAL PLUMBING. (0-6) *Credit 3.* Theory and practice of plumbing work as involved on farms and rural homes, irrigation, water distribution to stock, cesspools, septic tanks, commercial gas distribution, water wells, sanitation and health, etc.

214. INTERMEDIATE PLUMBING. (2-6) *Credit 4.* I. Theory and practice of roughing in for, and setting fixtures on small plumbing and heating jobs, topping and venting.

217-227. ADVANCED PLUMBING. (2-15) *Credit 7.* I and II. Small heating systems; installation of boilers of one and two-pipe heating systems; transmission lines, layouts, layouts and codes, etc. Making estimates for labor and material for small plumbing and heating jobs; distribution of hot and cold water; estimating yearly supplies for boarding schools. (For trade students only).

223. INTERMEDIATE PLUMBING. (1-6) *Credit 3.* II. Continuation of Plumbing 214, to include advanced work in hot and cold water distribution.

303. ESTIMATING AND SPECIFICATIONS FOR PLUMBING TRADE. (3-0) *Credit 3*. Estimating materials and cost of plumbing jobs, reading and interpretation of plumbing and heating layouts. Knowledge of specifications in plumbing trade.

313. ADVANCED PLUMBING. (1-6) *Credit 3*. I. Theory and practice of small heating systems to include boiler work for house and small commercial uses.

323. ADVANCED PLUMBING. (1-6) *Credit 3*. II. Theory and practice in advanced problems of hot and cold water distribution; heaters and other plumbing features in homes and commercial businesses.

413. PLUMBING CODES AND HEALTH REGULATIONS. (3-0) *Credit 3*. Existing laws and regulations affecting the plumbing trade; health and sanitation regulations affecting sewer disposal plants, water supplies, etc.

PRINTING

102-202. PRINTING. (0-6) *Credit 2*. I, II. Printing as an industry course for School of Arts and Sciences students only.

111. LETTERING. (3-0) *Credit 1*. I. Fundamental Roman letter forms; projects to develop skill in the drawing of letters for layout and reproduction purpose.

112. TYPOGRAPHY. (0-6) *Credit 2*. I. Hand composition; basic problems and techniques in setting type; setting of straight matter and simple display jobs; proofing; care of type and material.

113. GRAPHIC ARTS SURVEY. (3-0) *Credit 3*. I. The history of printing; general survey of allied processes, methods and practices followed.

121. BINDERY OPERATION (3-0) *Credit 1*. I. Folding, inserting, gathering, stitching, gluing on backs, and trimming; proper methods of wrapping.

122. TYPOGRAPHY. (0-6) *Credit 2*. II. Advanced problems in composition and selection of type; proportion, balance, shape harmony, tone harmony, contrast, subject harmony and color.

132. LAYOUT AND DESIGN. (0-6) *Credit 2*. I. Fundamentals of design incorporating "thumbnail," "roughs," space break-up, movement, balance, type legibility, and copyfitting.

142. LAYOUT AND DESIGN. (0-6) *Credit 2*. II. The designing of blotters, folders, broadsides, booklets, brochures, etc.; their function, and the solving of problems involved in their production.

152. PLATEN PRESSWORK. (0-6) *Credit 2*. I. Operation of the Platen press; feeding and simple makeready.

162 or 163. CYLINDER PRESSWORK. (0-6) or (0-9) *Credit 2, 3*. II. Operation and care of small cylinder presses; the makeready and feeding of commercial job forms.

172 or 173. PLATEN PRESSWORK. (0-6) *Credit 2, 3*. II. Advanced makeready on halftones and more intricate work; introduction to automatic platen press.

182. MACHINE COMPOSITION. (0-6) *Credit 2*. II. Elementary phases of linotype operation; keyboard fingering, and practice in setting from simple copy.

212. ESTIMATING. (2-0) *Credit 2*. I. Estimating time on all classes of composition, presswork, binding, paper, halftones, etc.

221. TYPOGRAPHY. (0-3) *Credit 1*. II. Craftsmanship and efficiency in handling typical jobs; creative and experimental typography.

241. MACHINE MAINTENANCE. (0-3) *Credit 1*. I. Functions of the devices comprising the Linotype machine; dissection, reassembly, adjustment of parts and correction of difficulties.

292. TYPOGRAPHY. (0-6) *Credit 2*. I. Accepted trade practices in handling typical jobs; training in the application of principles in experimental typography; instruction and practice in mark-up.

232. IMPOSITION AND LOCKUP. (0-6) *Credit 2*. I. Making up of different kinds of type and combination forms; imposition and lockup beginning with simple forms and progressing to more complex ones.

243. PLANT MANAGEMENT (3-0) *Credit 3*. II. Solution of problems of finance profits, plant layout, equipment, operation, and employee relations.

222. ESTIMATING. (2-0) *Credit 2*. II. Application of the elements of cost-finding to jobs of printing in process.

252 or 253. CYLINDER PRESSWORK. (0-6) or (0-9) *Credit 2, 3*. I. Advanced presswork, makeready and feeding, including newspaper and book work; press mechanism and adjustments. Introduction to simple color work.

262 or 263. CYLINDER PRESSWORK. (0-6) or (0-9) *Credit 2, 3*. II. Operation and care of large cylinder presses; makeready of halftone and process color work.

272 or 273. MACHINE COMPOSITION. (0-6) or (0-9) *Credit 2, 3*. I. Accuracy, development of speed, correct handling of straight matter, simple tabular work, and moderately complex composition.

282. or 283. MACHINE COMPOSITION. (0-6) or (0-9) *Credit 2, 3*. II. The development of trade accuracy and speed; understanding and practice of accepted typographic usage; setting for color separation, headings, display and advertising matter; twin-matter composition; work in the routine care of machines.

292 or 293. PRINTING PRODUCTION. (0-6) or (0-9) *Credit 3*. II. Planning, estimating, scheduling and complete manufacture of printing jobs.

RADIO

112-212. RADIO (0-6) *Credit 2*. I, II. Radio as an industry course for School of Arts and Sciences students only.

113. RADIO THEORY. (3-0) *Credit 3*. I. Electron theory; fundamental electrical units; magnetism; electro-magnetism and electro-Magnetic induction.

113-123, 215-225. RADIO LABORATORY. (0-9) (0-15) *Credit 3, 5*. I, II. Measuring and testing instruments; vacuum tube voltmeters, output meters, frequency meters, signal generators, and cathode-ray oscilloscopes; analysis and interpretation of measurements results; "trouble shooting" and repairing commercial radios.

123. RADIO THEORY. (3-0) *Credit 3*. II. Inductance, inductors, transformers; capacitance, condensers, and vacuum tubes.

183. CIRCUIT LABORATORY. (0-9) *Credit 3*. II. Experiments and tests; fundamental concepts of alternating current circuits; series and parallel circuits; reactance and impedance; resonant and non-resonant; sinusoidal and non-sinusoidal wave analysis; couples circuits and basic filter theory.

212. TEST INSTRUMENTS. (2-0) *Credit 2*. I. Commercial test instruments in use by repairmen and technicians; operation and repair; repairs to the d'Arsonval type meter.

213. RADIO THEORY. (3-0) *Credit 3*. I. Detectors; superhetrodyne theory, A. F. amplifiers; R. F. amplifiers; filters, special circuits; sound and sound production.

223. RADIO THEORY. (3-0) *Credit 3*. II. Trouble in A. C. and D. C. sets; radio measurements; classification and use of meters; tube troubles; repairs and replacements; superheterodyne troubles and remedies.

273. FREQUENCY MODULATION. (0-9) *Credit 3*. I. General principles and advantages; block diagram of transmitter; block diagram of receiver; use of limiter and discrimination.

274. TELEVISION. (2-6) *Credit 4*. I and II. Theory and laboratory experience with television receivers and antennas, including installation, aligning, trouble shooting, and practice with television receivers and antennas.

423. RESEARCH AND PROBLEMS. *Credit to be arranged*. I. Every student taking Radio Repair as a trade must select some problem or project in which he is interested and must do intensive research work on it. The result of his project or problem must be written and presented in a regular seminar.

SHEET METAL

112-212. SHEET METAL. (0-6) *Credit 2*. I, II. Sheet metal as an industry course for School of Arts and Sciences students only.

113. ELEMENTARY SHEET METAL. (1-6) *Credit 3*. I. Fundamental machine and hand tool operation. Study of materials; development and execution of simple patterns.

117-127. ELEMENTARY SHEET METAL. (2-15) *Credit 7*. I, II. Templates, soldering, brazing, seaming, and study and use of sheet and bar materials. (For trade students only).

123. ELEMENTARY SHEET METAL. (1-6) *Credit 3*. II. Continuation of sheet metal 113 to include direct layouts and short methods.

213. INTERMEDIATE SHEET METAL. (1-6) *Credit 3*. I. Use of templates, soldering, brazing, seaming, drafting of irregular patterns by means of triangulation.

217-227. ADVANCED SHEET METAL. (2-15) *Credit 7*. I, II. Different types of sheet and wrought-iron works as applied to furniture, building construction, heating ducts, and ornament; welding and brazing. Prerequisite: Elementary Sheet Metal 127. (For trade students only).

223. INTERMEDIATE SHEET METAL. (1-6) *Credit 3*. II. Continuation of Sheet Metal 213, including advanced problems.

313. INDUSTRIAL ARTS SHEET METAL. (1-6) *Credit 3*. I. Sheet Metal for industrial arts classes in the typical secondary school. Suitable projects, material, tools and equipment.

323. INDUSTRIAL ARTS SHEET METAL. (1-6) *Credit 3*. II. Advanced operation such as raising, forming, stretching, shrinking, bending, spinning, chasing, seaming, piercing, coloring; applied in projects in the working of copper, brass, aluminum, and other materials used in the industrial arts shop.

413. ADVANCED SHEET METAL. (1-6) *Credit 3*. I. Theory and practice in different types of sheet and wrought-iron works as applied to furniture, building construction, heating and ventilation ducts, and ornamental work.

423. ADVANCED SHEET METAL. (1-6) *Credit 3*. II. Continuation of Sheet Metal 413.

SHOEMAKING AND REPAIR

112-212. SHOEMAKING. (0-6) *Credit 2*. I, II. Shoemaking as an industry course for students in the School of Arts and Sciences only.

117. SHOEMAKING. (2-15) *Credit 7*. I. Care of shop; care and use of tools; making bristled waxed tread ends; sewing with hand sewing awl; tempering sole leather; molding whole and half soles for bottom use; fitting half soles; sewing rips in upper and soles by hand. (For trade students only).

127. SHOEMAKING. (2-15) *Credit 7*. I. Selection of lasts to correct the shape of shoes to be repaired; nailing soles previously fitted; repairing leather and wood heels; lock stitching; trimming edges by hand; classification on soles and upper patch leather; fitting needles and the repair of the universal feed machine; getting outlines of vamp; quarter and sole patches; putting on cement; vamp and sole patches; sewing soles by the hand method. (For trade students only).

217. SHOEMAKING. (2-15) *Credit 7*. I. The care of the finishing machine; fitting and preparing cement soles; repairing light half soles on shoes; the history of footwear; fitting insoles; repairing turn soles by the turn method; sewing welts; putting on plain bottoms; stitching soles with machine and trimming and finishing edges with machine. (For trade students only).

222-232. DRAFTING. (0-6) *Credit 2*. I, II. Drafting patterns for insoles, uppers and various parts of shoes and other footwear. (For trade students only).

227. SHOEMAKING. (2-15) *Credit 7*. II. The use and care of the McKay Self-channelling machine; fitting needles in the machine; general repairs to machine; the use and care of the rough rounding machine; the lip channel method of fastening whole sole with the stitches; general organization and shop management; keeping books and job records. (For trade students only).

STATIONARY ENGINEERING

112. ELEMENTARY STATIONARY ENGINEERING. (0-6) *Credit 2*. I. Nomenclature of power plant equipment and tools; steam fittings, and heat insulation; choice and application of lubricants; steam boilers, types, settings and operation.

122. ELEMENTARY STATIONARY ENGINEERING. (0-6) *Credit 2*. II. Reciprocating engines, air compressors, mechanical drives; generation of electrical energy; steam heating systems and accessories; reading and testing of meters and gauges; power plant switchboards.

212. ADVANCED STATIONARY ENGINEERING. (0-6) *Credit 2*. I. Steam turbines, condensers and turbine accessories, refrigeration, ice making, air conditioning, plant repair work; steel and bronze welding, soldering, babbiting, and machine tool work.

222. ADVANCED STATIONARY ENGINEERING. (0-6) *Credit 2*. II. Erection of power plant equipment; hoisting apparatus, and application of slings, hitches, jacks, cribbing, skills, and rollers to heavy machinery; cost of erection; plant records, management of a power plant.

TAILORING

112-212. TAILORING. (0-6) *Credit 2*. I, II. Tailoring as an industry course for students in the School of Arts and Sciences only.

113. ELEMENTARY TAILORING. (0-9) *Credit 3*. I. Names and uses of various stitches; trouser cutting and making; trouser measurements; the tailor's square and its uses.

117. ELEMENTARY TAILORING. (2-15) *Credit 7*. I. Names and uses of various stitches; trouser measurements; the tailor's square and its uses; trouser cutting. (For trade students only).

123. ELEMENTARY TAILORING. (0-9) *Credit 3*. I. Use and care of tailoring machines; skirt drafting, cutting and making.

127. ELEMENTARY TAILORING. (2-15) *Credit 7*. I. Trouser drafting, trimming and making; serges and worsted; use and care of tailoring machines; skirt drafting, cutting and making. (For trade students only).

132-142. DRAFTING. (0-6) *Credit 2*. I, II. Use of drafting instruments; taking measurements; the drafting of trousers, knickers, coats and ladies skirts; general drafting and designing. (For trade students only).

133. TAILORING. (3-0) *Credit 3*. Textile fabrics; fibers, weaves and textile designs used for making clothing.

213. TAILORING. (0-9) *Credit 3*. II. Proportionate vest cutting, drafting and making; collar and canvas construction.

217. ADVANCED TAILORING. (2-15) *Credit 7*. Coat and vest measurements; direct and proportionate, vest cutting, drafting and making; collar and canvas construction. (For trade students only).

223. TAILORING. (0-9) *Credit 3*. II. Sack coat cutting, trimming and making.

227. ADVANCED DRAFTING. (2-15) *Credit 7*. II. Coat cutting, trimming, drafting and making; alterations and repairs; hand and machine-made coats; method of lining and relining. (For trade students only).

232-242. ADVANCED DRAFTING. (0-6) *Credit 2*. Continuation of Course 142, including advanced and special problems. (For trade students only).

313. TAILORING. (0-9) *Credit 3*. II. Tuxedo and full-dress coat cutting, trimming and making.

323. TAILORING. (0-9) *Credit 3*. II. Alterations and repairs to our garments worn by ladies and men; methods of lining and relining.

233. TAILORING. (3-0) *Credit 3*. Measures and measurements; individual and proportionate measurements.

WELDING

112-122. WELDING. (0-6) *Credit 2*. I, II. Welding as an industry course for students in the School of Arts and Sciences only.

117-127. ELEMENTARY WELDING. (2-15) *Credit 7*. I, II. An elementary course in the fundamentals of oxy-acetylene and electric welding; including cutting. (For trade students only).

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

217-227. ADVANCED WELDING. (2-15) *Credit 7*. I, II. Further practice in oxy-acetylene and electric welding; modern techniques in welding maintenance and fabrication; servicing of equipment and controls; manufacture of gases; calculating cost; job rating and design.

WOODWORK

112-212. GENERAL WOODWORK. (0-6) *Credit 2*. I, II. An exploration of the woodwork field and a study of its related socio-economic problems; development of an appreciation for wood and its æsthetic qualities; the construction of general small projects using correct tools, materials and operational procedures. (For students of School of Arts and Sciences only).

113. FUNDAMENTAL WOODWORK. (1-6) *Credit 3*. I. The care, use and selection of fundamental woodworking tools, materials and equipment; skill in the hand construction of approved projects which must embody good construction and good design values; training in the ability to analyze a problem into its learning units and to plan the procedure in the execution of a job.

121. MAINTENANCE OF SHOP EQUIPMENT. (0-3) *Credit 1*. I, II. The care and upkeep of shop tools and equipment; gumming, milling, jointing, sharpening of circular saws, setting and filing hand saws, brazing band saws, sharpening jointer knives.

214. CABINETMAKING. (2-6) *Credit 4*. I. Introduction to woodworking machines through their use and care; construction of small pieces of period furniture embodying good design and specific units of instruction. Prerequisite: fundamental woodworking, freehand drawing.

223. WOOD TECHNOLOGY. (3-0) *Credit 3*. II. Structures and properties of woods; characteristics and distribution of common species; lumbering, sawmilling, kilning, grading, measurements, markets.

314. MACHINE WOODWORK. (2-6) *Credit 4*. I, II. Production method in the use of power machines. Practical experience with the techniques of modern mass production. Prerequisite: Woodwork 114-214.

322. PATTERN MAKING. (0-6) *Credit 2*. II. Care and use of bench and machine tools used in pattern making, materials used in the making of patterns; meaning, use and construction of patterns to illustrate principles of draft, shrinkage, finish, warp, and core print.

323. WOOD TURNING. (1-6) *Credit 3.* II. Proper care and use of the lathe and lathe tools; the principles of cutting and scraping; the making of projects with emphasis on good design. (Prerequisite: Woodwork 214).

414. FURNITURE AND CABINETMAKING. (2-6) *Credit 4.* I. Advanced course with emphasis on art and design in furniture construction; construction of period and modern style furniture.

The School of Home Economics offers some opportunities for graduate study. The details of the graduate School give full information concerning requirements and nature of the work. The School of Home Economics offers courses with a major or minor in Foods and Nutrition, Textiles and Clothing, Dressmaking and Design, Household Economics and Child Development. These courses are arranged sufficiently flexible to provide for needs of the following specific groups:

1. Those who wish to enter their general and cultural education by electing courses from the Home Economics Curriculum.

2. Those who wish to take a major in Home Economics at High School or some part of Home Economics in College.

3. Those who wish to become teachers of home economics in High School or some part of Home Economics in College.

4. Those who wish to become prominent in one phase of Home Economics in preparation for a career after graduation.

5. Graduate students who wish to take research work or who are candidates for a master's degree.

6. Persons seeking a special distinction in Dietetics, Clothing, Furnishing and Dress, Textiles and Clothing or Household Economics and Child Development.

REQUIREMENTS FOR GRADUATION
To receive the degree of Bachelor of Science in Home Economics a student must complete 187 semester hours, with an average of C or above and a standing of one grade point (100) semester hours are required for a major and 18-20 semester hours for a minor in all areas.

[1937]

SCHOOL OF HOME ECONOMICS

The School of Home Economics aims to give training for homemaking and also to provide special opportunity for study of the problems of homemaking, teaching of homemaking, extension, and other phases of the home economics field. Students desiring to major or minor in home economics education, textiles and clothing, dietetics, foods and nutrition, household economics and child development, should consult the Dean of the School.

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

The School of Home Economics offers curricula with a major or minor in Foods and Nutrition, Textiles and Clothing, Dressmaking and Design, Household Economics and Child Development. These curricula are arranged sufficiently flexible to provide for needs of the following specific groups:

1. Those who wish to enrich their general and cultural education by electing courses from the Home Economics Curriculum.
2. Those who wish to take a minor in Home Economics.
3. Those who wish to become teachers of homemaking in High School, or some phase of Home Economics in College.
4. Those who wish to become proficient in one phase of Home Economics in preparation for a career other than teaching.
5. Graduate students who wish to take refresher work, or who are candidates for a master's degree.
6. Persons desiring a special curriculum in Dietetics, Clothing, Dressmaking and Design, Foods and Nutrition, or Household Economics and Child Development.

REQUIREMENTS FOR GRADUATION

To receive the degree of Bachelor of Science in Home Economics a student must complete 132 semester hours, with an average of C or above and a standing of one grade point. Thirty (30) semester hours are required for a major and 18-20 semester hours for a minor in all areas.

HOME ECONOMICS EDUCATION

FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Chemistry 114	4	Chemistry 124	4
Inorganic Chemistry		Inorganic and Qualitative	
English 113	3	English 123	3
Grammar and Composition		Reading and Composition	
Mathematics 173	3	Physical Education 121	1
Applied Mathematics		Freshman Practice	
Physical Education 111	1	Home Economics Education 123	3
Freshman Practice		Family Life Education	
Home Economics Education 113	3	Foods 123	3
Orientation		Elementary Nutrition	
Art 113	3	Clothing 123	3
Elementary Design or		Textiles and Clothing or	
Clothing 113		Art 113	
Textiles and Clothing		Elementary Design	
	17		17

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Engineering 233	3 or 4	Political Science 203	3
Household Mechanics or		State Government	
Physics 214	3	English 223	3
Political Science 263	3	Introduction to Literature	
National Government		Physical Education 221	1
Economics 203	3	Sophomore Practice	
Survey of Economics		Foods 223	3
English 213	3	Family Nutrition	
Public Speaking		Clothing 223	3
Physical Education 211	1	Children's Clothing	
Sophomore Practice		Elective	3
Education 113	3		
Introduction to Education			
	16 or 17		16

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 304	4	Sociology 323	3
Physiology		The Family	
Education 353	3	Education 383	3
Advanced Psychology		Educational Psychology	
House 313	3	Home Economics Education 363	3
Household Equipment		Special Methods	
Clothing 323	3	House 323	3
Dressmaking		Household Furnishing	
Home Economics Education 332	2	Foods 323	3
Home and Summer Experiences		Meal Planning	
		Home Economics Education 332	2
		Club Work	
	15		17

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Home Economics Education 406	6	*House 463	3
Practice Teaching		Home Economics Agriculture	
*House 403	3	Home Economics Education 343	3
Supervised Home Management		Adult	
*Parental Education 401	1	Electives	9
Nursery School Observation			
*Parental Education 413	3		
Child Guidance			
*Clothing 414	4		
Advanced Clothing Problems			
*Foods 413	3		
Advanced Nutrition			
	20		15
Total Semester Hours 133 or 134			

* Either semester in program

CLOTHING AND TEXTILES

FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Chemistry 114	4	Chemistry 124	4
Inorganic		Inorganic and Qualitative	
*Art 113	3	English 123	3
Elementary Design or		Reading and Composition	
Clothing 113		Physical Education 121	1
Textiles and Clothing		Freshman Practice	
English 113	3	Home Economics Education 123	3
Grammar and Composition		Family Life Education	
Mathematics 173	3	Foods 123	3
Applied Mathematics		Elementary Nutrition	
Physical Education 111	1	Clothing 123	3
Freshman Practice		Textiles and Clothing or	
Home Economics Education 113	3	Art 113	
Orientation		Elementary Design	
	17		17

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Engineering 233	3 or 4	Political Science 203	3
Household Mechanics or		State Government	
Physics 214		English 223	3
Political Science 263	3	Introduction to Literature	
National Government		Physical Education 221	1
English 213	3	Sophomore Practice	
Public Speaking		Elective	3
Physical Education 211	1	Chemistry 244	4
Sophomore Practice		Physiological	
Education 113	3	Foods 223	3
Introduction to Education		Family Nutrition	
Clothing 223	3		
Children's Clothing			
	16 or 17		17

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 304	4	Sociology 323	3
Physiology		The Family	
Education 353	3	Home Economics Education 363	3
Adolescent Psychology		Special Methods	
Household Economics 383	3	Clothing 374	4
Clothing 314	4	Men's Wear	
Tailoring for Women		Electives	8
Electives	4		
	18		18

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
*Art 413	3	Clothing 423	3
Drawing Costume Figures		Advanced Textiles	
Home Economics Education 406	6	Clothing 424	4
Practice Teaching		Advanced Construction	
*House 403	3	Clothing 402	2
Residence		Clothing Clinic	
*Parental Education 413	3	Clothing 422	2
Child Guidance		Millinery	
*Parental Education 401	1	Clothing 412	2
Nursery School Observation		Consumer Education	
*Clothing 414	4		
Clothing Problems			
	20		18

Total Hours 137

NOTE.—Students interested in Dressmaking, a two-year course will see Dean or Advisor for guidance.

* Either semester in program

DRESSMAKING AND DESIGN

TWO-YEAR COURSE

FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
English 113	3	English 123	3
Grammar and Composition		Reading and Composition	
Chemistry 114	4	Chemistry 124	4
Inorganic Chemistry		Inorganic and Qualitative	
Home Economics 113	3	Clothing 123	3
Orientation		Elementary Clothing	
Mathematics 173	3	Art 113	3
Applied Mathematics		Elementary Design	
Clothing 113	3	Mathematics 183	5
Textiles and Clothing		Applied Mathematics	
Physical Education 111	1	Physical Education 121	1
Freshman Practice		Freshman Practice	
	<hr/>		<hr/>
	17		17

SOPHOMORE YEAR

NOTE.—Students enrolled in Dressmaking and Design, two-year course, must consult Dean or Advisor for guidance in planning second year schedule.

Number of hours required for graduation 68

FOODS AND NUTRITION

FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Chemistry 114	4	Chemistry 124	4
Inorganic Chemistry		Inorganic and Qualitative	
Art 113	3	English 123	3
Elementary Design or		Reading and Composition	
Clothing 113	3	Physical Education 121	1
Textiles and Clothing		Freshman Practice	
English 113	3	Home Economics Education 123	3
Grammar and Composition		Family Life Education	
Mathematics 173	3	Foods 123	3
Applied Mathematics		Elementary Nutrition	
Physical Education 111	1	Clothing 123	3
Freshman Practice		Textiles and Clothing or	
Home Economics Education 113	3	Art 113	
Orientation		Elementary Design	
	<hr/>		<hr/>
	17		17

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Engineering 233	3 or 4	Political Science 203	3
Household Mechanics or		State Government	
Physics 214	3	English 223	3
Political Science 263	3	Introduction to Literature	
National Government		Physical Education 221	1
English 213	3	Sophomore Practice	
Public Speaking		Elective	3
Physical Education 211	1	Chemistry 244	4
Sophomore Practice		Physiological	
Education 213	3	Foods 223	3
Introduction		Family Nutrition	
Chemistry 203	3		
Food Chemistry			
	<hr/>		<hr/>
	16 or 17		17

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 304	4	Sociology 323	3
Physiology		The Family	
Education 353	3	*Education 383	3
Adolescent Psychology		Educational Psychology	
Foods 303	3	Home Economics Education 363	3
Techniques		Special Methods	
Economics 213	3	Clothing 323	3
Principles		Dressmaking	
Electives	5	Foods 323	3
		Meal Planning	
		Foods 343	3
		Home Economics Agriculture	
	18		18

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
*Home Economics Education 406	6	Foods 423	3
Practice Teaching		Advanced Nutrition	
*House 403	3	Foods 432	2
Home Management		Seminar	
*Parental Education 401	1	Electives	12
Nursery School Observation			17
Clothing 414	4		
Advanced Clothing Problems			
Foods 403	3		
Experimental Cookery			
Foods 413	3		
Institutional Cooking			
	20		

Total Hours 141

NOTE.—Students interested in Food Preparation as a two-year course will see the Dean.

HOUSEHOLD ECONOMICS AND CHILD DEVELOPMENT

FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Chemistry 114	4	Chemistry 124	4
Inorganic Chemistry		Inorganic and Qualitative	
Art 113	3	English 123	3
Elementary Design or		Reading and Composition	
Clothing 113	3	Physical Education 121	1
Textiles and Clothing		Freshman Practice	
English 113	3	Home Economics Education 123	3
Grammar and Composition		Family Life	
Mathematics 173	3	Foods 123	3
Applied Mathematics		Elementary Nutrition	
Physical Education 111	1	Clothing 123	3
Freshman Practice		Textiles and Clothing or	
Home Economics Education 113	3	Art 113	
Orientation		Elementary Design	
	17		17

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Engineering 233	3 or 4	Political Science 203	3
Household Mechanics or		State Government	
Physics 214		English 223	3
Political Science 263	3	Introduction to Literature	
National Government		Physical Education 221	1
English 213	3	Sophomore Practice	
Public Speaking		Elective	3
Physical Education 211	1	Chemistry 244	4
Sophomore Practice		Physiological	
Education 113	3	Foods 223	3
Introduction		Family Nutrition	
Clothing 223	3		
Children's Clothing			
	16 or 17		17

* Either semester

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 304	4	Sociology 323	3
Physiology		The Family	3
Education 353	3	Education 383	3
Adolescent Psychology		Educational Psychology	3
Household Economics 313	3	Household Economics 383	3
Equipment		Finance	
Child Guidance 333	3	Child Guidance 323	3
Physical Development		Parent Education	
Electives	4	Foods 323	3
	<hr/>	Meal Planning	
	17		<hr/>
			15

SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Household Economics 423	3	Household Economics 443	3
Housing		Home Management	
Home Economics Education 414	4	Child Development 403	3
Observation and Participation		Nursery School Observation	
Child Development 453	3	Child Development 463	3
Problems		Nursery School Administration	
Child Development 433	3	Electives	8
Guidance			
Electives	4		
	<hr/>		<hr/>
	17		17

Total Hours 134

DIETETICS AS A CAREER

It has become increasingly apparent that the proper enjoyment and preservation of life is more dependent upon food than upon any other single factor. With the advance in technology of the twentieth century, and its resultant social changes, food, its proper balance, preparation and service have become of great interest to the general public. Food is now our largest single industry. It gives employment to nearly 54 per cent of our population. In good times and bad, it provides that one group of commodities that is indispensable. It employs the one group of individuals whose services are always needed.

During the past few years, the field of opportunity for dietitians has expanded enormously. While the field of dietetics is firmly established, it is by no means overcrowded. For these reasons, the future dietitian can look forward with confidence to a career that offers stability, unlimited opportunity for advancement, diversity of activity, and possibility of performing vital services for fellow human beings. As a person offering an important service, the dietitian can expect proportionate income and reward.

To those contemplating a career that affords real advantages, the School of Home Economics offers a course designed to provide training in the essential requirement of this fascinating vocation.

CURRICULUM IN DIETETICS

FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
English 113	3	English 123	3
Grammar and Composition		Reading and Composition	3
Education 103	3	Art 113	3
General Orientation		Elementary Design	3
Mathematics 173	3	Mathematics 183	3
Elements of Applied Math.		Elements of Applied Math.	
Foods 123	3	Chemistry 124	4
Elementary Nutrition		Inorganic and Qualitative	3
Chemistry 114	4	Foods 213	1
Inorganic		Elementary Nutrition	1
Physical Education 111	1	Physical Education 121	1
Freshman Practice		Freshman Practice	
	17		17

SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Chemistry 315	5	Chemistry 244	4
General Organic		Physiological	
English 213	3	Animal Husbandry 342	2
Public Speaking		Farm Meats (School of Agri.)	
House 313	3	Economics 203	3
Equipment and Management		Survey of Economics	3
Dairying 223	3	Sociology 213	3
Farm Dairying (School of Agri.)		Introduction	
Psychology 353	3	Physical Education 203	3
Adolescent		Personal Hygiene	3
	17	Elective	3
			18

JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 334	4	Chemistry 203	3
General Microbiology (Bacteriology)		Food Chemistry	
Parental Education 413	3	Foods 323	3
Child Guidance		Meal Planning and Serving	
Biology 304	4	Foods 423	3
Physiology		Advanced Nutrition and Diet	
Foods 414	4	Animal Husbandry 213	3
Selection and Preparation		Farm Poultry (School of Agri.)	
	15	Chemistry 434	4
		Biochemistry	
			16

*SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foods 413	3	Food Preservation 343	3
Institutional Cookery and Management		Food Preservation (School of Agri.)	
Clothing 113	3	Electives	13
Textiles and Clothing			
Education 343	3		
Child Psychology			
English 223	3		
World Literature			
Electives	4		
	16		16
Total Hours 132			

DESCRIPTION OF COURSES

ART

113. ELEMENTARY DESIGN. (1-4) *Credit 3.* I or II. Art Principles and their application to home problems.

* Courses in Senior Year may be re-arranged with Faculty Advisement.

413. COSTUME DESIGN. (1-5) *Credit 3*. I or II. The development of costume; factors which influence past and present day costumes and fashions; application of art principles to designing clothing for different types of figures; drawing costume figures. Prerequisite: clothing, drawing, design. To be taken with a clothing course.

CHILD DEVELOPMENT

323. PARENT EDUCATION. (3-0) *Credit 3*. II. Parents needs in relation to children; investigation of methods, materials, and literature used in work with parents.

333. PHYSICAL DEVELOPMENT OF CHILDREN. (3-0) *Credit 3*. I. Nutritional requirements and growth patterns of children; factors influencing this growth.

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

403. NURSERY SCHOOL OBSERVATION AND PARTICIPATION. (0-6) *Credit 3*. I or II. Experience with small children through observation and participation in the Nursery School.

413. CHILD GUIDANCE. (3-0) *Credit 3*. I and II. Care and training of the child from pre-natal life through the pre-school period; standards for normal physical, mental, social and emotional development.

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

433. GUIDANCE TECHNIQUE. (3-0) *Credit 3*. I. Survey and evaluation of techniques developed and used in family living.

453. PROBLEMS OF CHILD DEVELOPMENT. (3-0) *Credit 3*. I. Opportunities to discuss problems of the classroom, the community and related fields.

463. NURSERY SCHOOL ADMINISTRATION. (3-0) *Credit 3*. II. Administration in the areas of housing, equipment, costs, staff program, health protections and community relations.

CLOTHING AND TEXTILES

113, 123. TEXTILES AND CLOTHING FOR FAMILY. (1-4) *Credit 3*. I and II. Analyzing personal and family resources; standards in the selection, purchase, use and maintenance of the wardrobe from the standpoint of material, construction and design; experience in judging and improving personal standards in relation to clothing consumption.

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

313. COSTUME DESIGN. (0-4) *Credit 2*. I or II. Principles underlying the use of patterns; the construction and fitting of garments; experience in applying these principles.

314. TAILORING FOR WOMEN. (2-4) *Credit 4*. I. Experience in handling various types of woolens and the problems involved in the construction of a suit, coat and slacks. Prerequisites: Clothing 124, 223. Estimate for materials and supplies: \$40.00.

323. DRESSMAKING. (1-4) *Credit 3*. I. Suit and coat making for women.
374. MEN'S WEAR AND CLOTHING RECLAMATION. (2-2) *Credit 4*. II. Use of commercial and custom made patterns in constructing simple garments for men; remodeling and dyeing of garments. Estimate on supplies: \$5.00.
402. CLOTHING CLINIC. (0-4) *Credit 2*. I or II. Experience in clothing construction, fitting and design for customers.
412. CONSUMER EDUCATION. (2-0) *Credit 2*. II. Standards of living and cultural background upon clothing consumer problems.
414. ADVANCED CLOTHING PROBLEMS. (0-8) *Credit 4*. I. Pattern study, draping, drafting and fitting; individuality in dress; garments designed from the foundation patterns.
422. MILLINERY. (0-4) *Credit 2*. Hats and bags to complete selected costumes, and occasions.
423. ADVANCED TEXTILES. (1-4) *Credit 3*. Nature of the raw materials; economic, chemical and physical applications involved in their manufacture and use; methods and significance of physical testing. Prerequisites: Chemistry 114, 124, 214, 224. Biology 304; Physics 214.
424. ADVANCED CLOTHING CONSTRUCTION. (0-8) *Credit 4*. II. Techniques in selecting and constructing special occasion garments; the modeling of clothes. Estimate of materials and supplies: \$30.00.

FOODS AND NUTRITION

123. ELEMENTARY NUTRITION. (1-4) *Credit 3*. Developing food selection habits which meet nutritional standards; developing a scientific knowledge of foods.
203. FOOD CHEMISTRY. (2-2) *Credit 3*. Chemistry of fats, carbohydrates and proteins. Prerequisites: Inorganic and Organic Chemistry.
213. ELEMENTARY NUTRITION.. (3-0) *Credit 3*. I. Food selection habits which meet nutritional standards; social significance of food and standard of food selection at various economic levels.
223. FAMILY NUTRITION AND CHILD FEEDING. (1-4) *Credit 3*. I or II. Preservation and discussion of current ideas on feeding children and their families; relation of nutrition to physical growth and development. Prerequisite: Elementary nutrition.
233. PRODUCTS. (1-4) *Credit 3*. II. Food products, sources and uses.
303. TECHNIQUES AND PRINCIPLES OF DEMONSTRATION. (1-4) *Credit 3*. I or II. Purpose and technique of demonstration in food preparation and nutrition. Each student expected to prepare and give several demonstrations.
323. MEAL PLANNING AND PREPARATION. (1-4) *Credit 3*. II. Planning, preparing and serving palatable, nutritious and attractive meals for families at various economic levels; use and care of equipment and table appointments.
343. FOOD PRESERVATION. (1-4) *Credit 3*. I. Equipment, recipes and directions for home food preservation. Taught in School of Agriculture.

403. EXPERIMENTAL COOKERY. (1-4) *Credit 3*. I or II. Factors involved in meal planning, preparation and serving of food with special units on food experimentation and comparison of commercial and home products.

413. INSTITUTIONAL COOKERY AND MANAGEMENT. (1-4) *Credit 3*. II. Fundamentals of preparing food in large quantities; rudiments of cafeteria and Institutional management. Menu planning, preparation and serving large groups.

414. SELECTION AND PREPARATION. (2-2) *Credit 4*. I. Marketing; choice of foods and selection of methods of preparation of vegetables, meats, cereals and fruits.

423. ADVANCED NUTRITION AND DIET THERAPY. (1-4) *Credit 3*. II. Principles of human nutrition; energy, mineral, vitamin, fat and carbohydrate requirements of human body; selection of food as related to health by planning diets for various diseases. Prerequisite: Physiology and Human Biochemistry.

432. SEMINAR AND READING IN NUTRITION. (2-0) *Credit 2*. II. Recent trends and findings in nutrition; topics related to practical problems in human nutrition. Prerequisites: Background in physiology, chemistry and nutrition.

HOME ECONOMICS EDUCATION

113. ORIENTATION. (3-0) *Credit 3* I or II. Required of all entering freshmen in School of Home Economics; problems of Freshman students.

123. FAMILY LIFE EDUCATION. (3-0) *Credit 3*. I or II. Family life problems and experiences in solving them.

332. SUMMER AND HOME EXPERIENCES. (2-0) *Credit 2*. I. Summer and home experiences as methods to use in increasing effectiveness of teaching; study reports of the experiences.

343. ADULT EDUCATION. (3-0) *Credit 3*. II. Objectives of adult education; planning program; teaching procedures; and discussion of special problems.

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

382. CLUB WORK. (2-0) *Credit 2*. II. N. H. A. as an integral part of the homemaking program.

406. STUDENT TEACHING AND PROBLEMS. (6-0) *Credit 6*. I or II. Supervised teaching of homemaking in schools for a period of 9 weeks.

414. PROBLEMS IN OBSERVATION AND PARTICIPATION IN NURSERY SCHOOL. (1-14) *Credit 4*. I or II. Work as assistant in Nursery School; experience to be earned in a selected nursery school away from campus. 9 weeks). Elective.

HOUSEHOLD ECONOMICS

123. INTRODUCTION TO FAMILY ECONOMICS. (3-0) *Credit 3*. II. Major social and economic problems faced by home managers in bringing about good family relationships.

223. INTRODUCTION TO HOUSEHOLD PHYSICS. (3-0) *Credit 3.* II. Equipment used in the home; construction features, and operation of household wares in general.

313. EQUIPMENT AND MANAGEMENT. (3-0) *Credit 3.* I. Principles and management involved in use, care, and repair of equipment.

323. HOUSE FURNISHING. (3-0) *Credit 3.* II. Planning and furnishing for optimal enjoyment in consideration of family income, size of family, family interests, color materials, furniture and furniture arrangement.

383. PERSONAL AND FAMILY FINANCE. (3-0) *Credit 3.* II. Specific financial problems confronting individual and family groups; advanced study of budgeting; the operating cost of a home, legal aspects of the home; wills, investments and a further study of insurance.

403. SUPERVISED HOME MANAGEMENT. (1-4) *Credit 3.* I and II. House residence; experiences in group living and opportunities to develop skills and techniques. (Six weeks).

423. HOUSING. (3-0) *Credit 3.* II. Housing standards and conditions; home ownership, financing, house design from consumers point of view; government housing. Prerequisite: House Planning and Furnishing.

443. STUDIES IN HOME MANAGEMENT. (3-0) *Credit 3.* II. Managerial problems, review of management studies; research reports; procedures in evaluating management.

463. HOUSE. (3-0) *Credit 3.* I. (Same as foods 343 and Horticulture 343 taught in School of Agriculture.) Equipment, recipes and directions for home food preservation.

DIVISION OF NURSING EDUCATION

The Division of Nursing Education offers two curricula: one, over a period of three years, leading to a Diploma in Nursing; and the other, over a period of five years, leading to the degree of Bachelor of Science in Nursing. Upon completion of either curriculum, the nurse is eligible to take the Nurses' State Board Examination.

Students with highest scholastic rating in their respective high schools and students with one or more years of college credit are given preference among applicants for admission to the Division of Nursing Education. (Applicants must send two transcripts—one 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 and an inexpensive watch with a second hand.

HEALTH

All students of Nursing Education, when ill receive the professional services of the hospital physicians. However, time above two weeks lost through illness or any other cause must be made up.

VACATION

A vacation of three weeks is given each year during the summer.

SPECIAL REQUIREMENTS

In addition to the completion of an acceptable 4-year high school course of study the following special requirements must be met by those who desire to enter the Division of Nursing Education.

1. Applicants must be 17 years old upon entrance to the division and under 30.
2. Applicants must have a thorough pre-entrance physical examination as evidence of physical fitness.
3. Applicants will be required to take a pre-nursing and guidance test given by the National League of Nursing Education, for which a fee of \$5.00 is paid.

Prairie View A. & M. College School of Nursing, affiliated with Jefferson Davis Hospital School of Nursing, Houston, Texas; and John Sealy Hospital School of Nursing, Medical Branch University of Texas, Galveston, Texas.

THREE-YEAR CURRICULUM

FIRST YEAR—FIRST SEMESTER

Course No.	Title	Clock Hrs.	Lec.	Lab.	Sem. Hrs. Cr.
English 113	Grammar and Composition	54	3	0	3
Education 103	Orientation	54	3	0	3
Nursing Ed. 153	Anatomy and Physiology	54	3	0	3
Nursing Ed. 114	Chemistry for Nurses	108	2	4	4
Nursing Ed. 116	Introduction to Nursing Arts	144	2	6	4
Nursing Ed. 132	History of Nursing and Professional Ethics	54	3	0	3
Physical Ed. 111	Gymnastics	36	0	2	1

SECOND SEMESTER

Nursing Ed. 143	Foods, Nutrition and Diet Therapy	54	3	0	3
English 123	Composition (Communication)	54	3	0	3
Nursing Ed. 163	Anatomy and Physiology	54	3	0	3
Nursing Ed. 140	Clinical Practice	426	0	30	0
Nursing Ed. 126	Advanced Nursing Arts	144	2	6	4
Nursing Ed. 124	Microbiology and Pathology	108	2	3	4
Nursing Ed. 182	Pharmacology and Therapeutics	36	0	2	2
Physical Ed. 121	Games and Gymnastics	36	0	2	1
FIRST YEAR—SUMMER SEMESTER—SIXTEEN WEEKS					
Nursing Ed. 103	Sociology for Nurses	54	3	0	3
Nursing Ed. 374	Medical and Surgical Nursing	54			

SECOND YEAR

Spent at Jefferson Davis Hospital, Houston, Texas

SECOND YEAR—FIRST SEMESTER

		Clock Hrs.	Lec.	Lab.
Medical and Surgical Nursing II	Groups I and II	163	9	0
	Groups III and IV			
Operating Room Technique		15	1	0
Medical Nursing (Group III)		82	4 1-2	0
Psychiatric Nursing (Group III)		54	3	0
Obstetrics (Group IV)		36	2	0

SECOND YEAR—SECOND SEMESTER

Operating Room Technique	Groups I and II	15	1	0
	Groups III and IV			
Obstetrics (Group III)		36	2	0
Medical Nursing (Group IV)		82	4 1-2	0

SUMMER SESSION

	Groups I			
Obstetrics (Group I)	36	2	0	
	Groups III and IV			
Pediatrics (Group III)	60	3	1-2	0
Surgical Nursing (Group IV)	81	4	1-2	0
	Group II			
Medical Nursing	82	4	1-2	0

THIRD YEAR—FIRST SEMESTER

	Groups I and II			
Pediatrics	60	3	1-2	0
Obstetrics (Group II)	60	2	0	0
Public Health Nursing	36	2	0	0
Psychiatric Nursing	54	3	0	0
Professional Adjustments II	36	2	0	0
	Groups III and IV			
Surgical Nursing (Group III)	81	4	1-2	0
Public Health Nursing	36	2	0	0
Psychiatric Nursing (Group IV)	54	3	0	0
Professional Adjustments II	36	2	0	0

THIRD YEAR

Six months spent at Jefferson Davis Hospital in Houston, Texas, three months spent at John Sealy Hospital in Galveston, Texas and three months spent at Prairie View Hospital.

Six Months at Jefferson Davis Hospital

Public Health Nursing	36
Professional Adjustment II	36

Three Months Spent at John Sealy Hospital

Psychiatric Nursing	54
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Three Months Spent at Prairie View Hospital

Electives in Area of Specialization
Ward Management
Communicable Diseases
Out Patient Department, Etc.

These electives are to be worked out in consultation with the Educational Director of Jefferson Davis Hospital, John Sealy Hospital, and the Superintendent of Nurses at Prairie View Hospital.

DEGREE CURRICULUM

FIVE-YEAR COURSE*

FOURTH YEAR

FIRST SEMESTER

Course No.	Title	Clock			Sem. Hrs. Cr.
		Hrs.	Lec.	Lab.	
English 213	Public Address	54	3	0	3
Mathematics 173	Math. Analysis	54	3	0	3
Education 113	Introduction to Education	54	3	0	3
Sociology 213	Introduction to Sociology	54	3	0	3
Biology 354	Histological Technique	108	2	4	4
Pol. Science 263	National Government	54	3	0	3
Nursing Ed. 412	Clinical Practice—Ward Supervision	216	0	12	0

* May be taken second semester of second year or first semester of third year.

* (Students should complete the three-year course for the nursing diploma and certificate from the State Board of Nurse Examiners before commencing work on the degree curriculum.)

SECOND SEMESTER

Sociology	333	Social Psychology	54	3	0	3
Pol. Science	203	State Government	54	3	0	3
Mathematics	183	Applied Math. Analysis	54	3	0	3
Economics	203	Survey of Consumer Economics	54	3	0	3
English	213	World Literature	54	3	0	3
History	463	Negro History	54	3	0	3
Nursing Ed.	412	Clinical Practice—Ward Supervision	216	0	12	0

FIFTH YEAR

Phil.	303	Philosophies of Life	54	3	0	3
Foods	413	Advanced Nutrition	90	1	4	3
Education	333	Methods of Teaching H. S. Subjects	54	3	0	3
Education	313	Principles of Secondary Education	54	3	0	3
Sociology	413	Social Welfare Work	72	2	2	3
Nursing Ed.	418	Clinical Practice—Hospital Management	324	0	18	0

SECOND SEMESTER

Education	353	Adolescent Psychology or	54	3	0	3
Education	383	Educational Psychology	54	3	0	3
Education	443	Tests and Measurements	54	3	0	3
Education	406	Practice Teaching in H. S.	216	1	10	6
Education	433	Science and Art of Teaching	54	3	0	3

DESCRIPTION OF COURSES

NURSING EDUCATION

112. PRE-CLINICAL NURSING PRACTICE. (0-12) *No semester hours credit.* 216 hours. I. Supervised practice for the beginning nurse in the application of nursing principles and methods of care for patients in the hospital.

116. INTRODUCTION TO NURSING ARTS. (2-4) *Credit 4.* 144 hours. I. Principles of nursing with emphasis upon her attitude towards the patient, the existing social relationships, the physical requirements for the proper care of patients and the procedures found most helpful for the promotion of health.

122. PRE-CLINICAL NURSING PRACTICE. (0-13) *No semester hours credit.* 234 hours. II. Continuation of Nursing Education 112.

132. HISTORY OF NURSING AND PROFESSIONAL ETHICS. (3-0) *Credit 3.* 54 hours. I. Historical development of Nursing from its early conception to modern times.

313. PROFESSIONAL ADJUSTMENT. II. (3-0) *Credit 3.* 54 hours. I. To appreciate the professional responsibilities of the graduate nurse to society, to herself, and to her professional group, to become acquainted with some of the personal and professional problems which confront graduate nurses.

418. CLINICAL PRACTICE—HOSPITAL MANAGEMENT. (0-18) *No semester hours credit.* Practice in hospital management and supervision of nurses. Conferences and consultations with the Superintendent of Nurses and Superintendent of hospital.

PSYCHOLOGY FOR NURSING EDUCATION

103. ELEMENTARY PSYCHOLOGY AND ABNORMAL BEHAVIOR. (3-0) *3 semester hours credit.* 54 hours. Human behavior and the underlying principles of mental adjustments, habit formation, deviations in behavior of adults and children due to organic and sociological factors, and the nursing care necessary in assisting patients in making more adequate

adjustments during illness. A study of the student's own personality; scientific basis by which student can get better understanding of behavior of herself and her co-workers and patients. Lectures and recitations.

GENERAL CHEMISTRY FOR NURSING EDUCATION

104. GENERAL INORGANIC CHEMISTRY FOR NURSES. (2-4) Fundamental principles of inorganic and physiological chemistry with special application to nursing practice. Studies in the general composition of the blood, urine, digestion and utilization of foods are included. Lectures, demonstration, laboratory.

ENGLISH

113 and 123. GRAMMAR AND COMPOSITION, ORAL AND WRITTEN COMMUNICATION. *Credit 3 hours each semester.* 108 hours. Note: These courses are offered by the English Department and required of all students of the College. See English Department for course description.

SOCIOLOGY

103. SOCIOLOGY FOR NURSES. (3-0) *Credit 3.* A concrete treatment of sociological facts and principles which will give a social setting for the profession of Nursing.

CORRESPONDENCE DEPARTMENT

The courses indicated below are available through correspondence. The same admission requirements that are listed for residence work apply to correspondence enrollments. Specific instructions regarding correspondence courses not contained herein will be given on request.

CORRESPONDENCE COURSE FEES

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

NOTE.—The textbooks named below may be changed from time to time, and the student should wait until he receives lesson assignments before ordering books.

BUSINESS ADMINISTRATION

253. ACCOUNTING. *Credit 4.* Basic accounting principles and practices. Textbook: Husband and Schlatetr's *Introductory Accounting* (Pitman Publishing Company, New York, \$5.00). Prerequisite: Sophomore standing.

263. ACCOUNTING. *Credit 4.* Continuation of 253. Prerequisite: BA 253.

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

ECONOMICS

213. PRINCIPLES OF ECONOMICS. *Credit 3.* Survey of the field of economics, dealing with basic economic principles and practices.

EDUCATION

283. INTRODUCTION TO EDUCATIONAL PSYCHOLOGY. *Credit 3.* Topics in educational psychology relating to an understanding of the learning process and the conduct of children. Textbooks: Douglass and Holland's *Fundamentals of Educational Psychology* (The Macmillan Company, New York and Dallas, 1938, \$4.50); Mursell's *Educational Psychology* (W. W. Norton and Company, New York, 1939, \$3.50).

113. INTRODUCTION TO EDUCATION. *Credit 3.* Prerequisite to other courses in education, professional problems of education. Textbooks: Reeder's *A First Course in Education*, Revised Edition, 1950 (The Macmillan Company, New York and Dallas \$4.50); and Russell and Judd's *The American Educational System* (Houghton Mifflin Company, New York and Dallas, \$3.50).

343. CHILD PSYCHOLOGY. *Credit 3.* The child from prenatal period to the beginning of adolescent; major problems in child development. Textbooks: Goodenough's *Developmental Psychology* (D. Appleton-Century Company, New York \$4.50); Conklin's *Principles of Adolescent Psychology* (Henry Holt and Company, New York, \$3.50); *Baker's Introduction to Exceptional Children* (The Macmillan Company, New York and Dallas, \$4.50). Prerequisite: Education 103 and 113 and sophomore standing; for home economics students HE 113 Orientation and Education 113 and sophomore standing.

383. EDUCATIONAL PSYCHOLOGY. *Credit 3.* Educationally significant factors involved in the interaction of pupils, teachers, administrators and community. Textbooks: Douglas and Holland's *Fundamentals of Educational Psychology* (The Macmillan Company, New York and Dallas, 1933, \$4.50); Goodenough's *Developmental Psychology* (D. Appleton-Century Company, New York 1934, \$4.50); Carroll's *Mental Hygiene* (Prentice-Hall, Inc., New York, \$3.75). Prerequisite: Sophomore standing.

523. CHILDREN'S LITERATURE. *Credit 3.* Development, types, classification and teaching of literature in elementary grades; examination and analysis of children's books and story-telling. Prerequisite: Education 314 and 317; junior standing.

ADMINISTRATION AND SUPERVISION

563. GUIDANCE OF THE PRE-SCHOOL CHILD. *Credit 3.* Preparation for work with pre-school children either in the home or in child service centers; guidance of mental, social and emotional development. Textbooks: Jersild's *Child Psychology*, Revised Edition (Prentice-Hall, New York, \$3.75); Wolf's *Parent's Manual* (Simon and Schuster, New York, \$2.75); Alschuler's *Two to Six*, Revised Edition (William Murrow and Company, New York, \$2.50). Prerequisite: Sophomore standing.

573. ORGANIZATION AND ADMINISTRATION OF THE JUNIOR HIGH SCHOOL. *Credit 3.* The origin, development, and forms of organization and administration of the junior high school. 15 lessons (readings, the solution of administrative problems, and original theme, and an examination). Textbooks: Smith, Stanley and Hughes' *Junior High School Education* (McGraw-Hill Book Company, New York, \$3.50); Gruhn and Douglass' *The Modern Junior High School* Roland Press, New York, \$4.75). Prerequisite: Education 313 and 343.

ENGLISH

113. GRAMMAR AND COMPOSITION. *Credit 3.* Intensive review of functional grammar; practice in principles of written composition. Textbooks: Thomas, Manchester and Scott's *Composition for College Students*, Fifth Edition, 1948 (The Macmillan Company, New York and Dallas, \$3.75); Loomis and Clark's *Modern English Readings*, Fourth Edition, 1942 (Farrar and Rinehart, New York, \$3.75). Wolley and Scott's *College Handbook of Composition*, Fourth Edition (D. C. Heath and Company, Boston and Dallas, \$2.00).

123. READING AND COMPOSITION. *Credit 3.* Continuation of 113; written work based on provocative readings and periodical literature. Textbooks: Thomas, Manchester and Scott's *Composition for College Students*, Fifth Edition, 1948 (The Macmillan Company, New York and Dallas, \$3.75); Loomis and Clark's *Modern English Readings*, Fourth Edition, 1942 Farrar and Rinehart, New York, \$3.75); Schweikert's *Short Stories*, Enlarged Edition, 1934 (Harcourt, Brace and Company, New York, \$1.40).

343. ENGLISH COMPOSITIONS EXPOSITORY WRITING. *Credit 3.* Rhetorical principles; analysis of certain masterpieces of English Prose; writing of a number of essays; stress on written work. Textbooks: *Form and Style* by Clark and others (F. S. Crofts and Company, New York, \$1.75); Kern and Greggs' *This America* (The Macmillan Company, New York and Dallas, \$3.50). Prerequisite: English 113 and 123 with an average grade of at least "C."

543. THE SHORT STORY. *Credit 3.* Short Story writing using contemporary models. Textbooks: Frederick's *A Handbook of Short Story Writing*, Revised Edition (F. S. Crofts and Company, New York, \$1.40); Blogett's *The Story Survey* (J. B. Lippincott Company, Philadelphia, \$3.50). May count as Journalism. Prerequisite: A grade of "A" or "B" in six hours of sophomore English.

FRENCH

213. READING AND GRAMMAR REVIEW. *Credit 3.* French conversation, idioms and verb drill; reading material; simple principles of French grammar and syntax; outside reading required. Textbooks will be selected from following: Fraser and Squir's *New Complete French Grammar*, 1921 Edition (D. C. Heath and Company, Boston and Dallas, \$2.70); Haleny's *l'Abbe Constantin* (American Book Company, New York, \$1.00); Labiche and Martin's *Le Voyage de Monsieur Perrichon*, 1926 (Lafayette Series, Edited by Zeek, Johnson Publishing Company, Dallas and Chicago, \$1.00).

223. READING AND GRAMMAR REVIEW. *Credit 3.* A continuation of French 213. Textbooks will be selected from the following: Fraser and Squair's *New Complete French Grammar*, 1921 Edition (D. C. Heath and Company, Boston and Dallas, \$2.75); Lesage's *Gil Blas* (American Book Company, New York, \$1.00); Smith-Posgate's *French Short Stories* (The Macmillan Company, New York and Dallas, \$1.60).

133. READING FOR SCIENCE MAJORS. *Credit 3.* Mimeographed material furnished by instructor. Recommended material: A French-English dictionary (De Vries for general science; Patterson for chemistry; Oxford, Heath or Funk and Wagnalls for general use); a grammar or verb wheel for learning the verbs. Prerequisite: French 113 and 123. Textbook: Dabney's *French for Science and Technical Majors*, (University Cooperative Society, Austin, \$1.50). Aveline's *Victure 7, Place 15* (Henry Holt and Company, New York, \$1.90).

GEOGRAPHY

213. INTRODUCTION TO GEOGRAPHY; PHYSICAL ELEMENTS I. *Credit 3.* Major elements of physical geography; elements of weather and climate,

climatic types and their distribution, landforms, earth resources, etc. Textbooks: Finch and Trewartha's *Physical Elements of Geography*, McGraw-Hill Book Co., Third Edition, 1949, \$5.50; Goode's *School Atlas*, 1949, (Rand McNally and Company, Chicago, \$5.00). Recommended for all students who plan to concentrate in physical geography.

313. GEOGRAPHY OF THE U.S.S.R. AND ITS EUROPEAN BORDERLANDS. *Credit 3*. Physical and economic setup of the U.S.S.R. and an area including all countries of the Stettin-Trieste line; Study of Soviet resources and their development; causes of the distribution of industrial activities and significance of the resulting production. Textbooks: Gregory and Shave's *The U.S.S.R.*, John Wiley and Sons, 1946 \$5.00; S. van Valkenburg, *Europe*, John Wiley and Sons, 1936 \$6.00; Denoyer-Geppert's *Soviet Russia in Maps* \$1.00. Maps of the Union of Socialist Republics, December 1944 (National Geographic Society, Washington, D. C., \$.50). Prerequisite; Twelve hours in the following subjects, including at least six hours of sophomore courses: Anthropology, business administration, economics, geology, government, history.

223. POLITICAL GEOGRAPHY. *Credit 3*. Geographic-political problems, resources and peoples of various nations; empires of the world as a background for a better understanding of current events. Textbooks: Percy and Fifield's *World Political Geography*, T. Y. Crowell, 1949, \$6.50 and *Goode's School Atlas* \$5.00. Prerequisite: Eighteen hours in the following subjects, including six hours of advanced courses; anthropology, business administration, economics, geography, geology, government, history.

GOVERNMENT

1X3. STATE AND NATIONAL GOVERNMENT. *Credit 3*. The American system of government; the federal system and the relationship of the states to the national government, special references to Texas. Required by law in the state of Texas for graduation and teacher certification; a prerequisite for other courses in Political Science. Textbooks: Ogg and Ray's *Introduction to American Government*, Ninth Edition, 1948 (D. Appleton-Century Company, New York, \$5.00); Patterson, McAlister and Hester's *State and Local Government in Texas* (The Macmillan Company, New York and Dallas, \$3.75). Prerequisite: This course is available to all applicants who can meet the entrance requirements and furnish a college transcript showing successful completion of 45 semester hours in an approved college.

433. AMERICAN FOREIGN RELATIONS. *Credit 3*. American relations with Latin-America and the rest of the world; public opinion, economic, social and political forces that have determined American foreign policy. Prerequisites: History 213, 223 and any courses in Political Science. May be taken as History 633 or 643. Textbooks: Bemis' *The Latin American Policy of the United States*, 1943 (Harcourt, Brace and Company, New York, \$5.50); Stuart's *Latin America and the United States*, Fourth Edition, 1943 (D Appleton-Century Company, New York, \$4.50).

443. FOREIGN POLICIES OF THE UNITED STATES. *Credit 3*. Origins and application of the most prominent policies of the United States, in its relations to other countries; regional policies of the United States, economic diplomacy, and policies of peace and world organization. Prerequisite: State and National Government 1X3. Textbook: Bemis' *A Diplomatic History of the United States*, Third Edition, 1950 (Henry Holt and Company, New York, \$5.75).

HISTORY

103. MEDIEVAL EUROPE. *Credit 3.* Europe from the fall of Rome to 1500. Textbooks: Ault's *Europe in the Middle Ages*, Revised Edition, 1932 (D. C. Heath and Company, Boston and Dallas, \$5.75); Sellery and Krey's *Medieval Foundations of Western Civilization*, 1929 (Harper and Brothers, New York, \$3.75); Boak, Hyma, and Slossan's *The Growth of European Civilization*, Volume I, 1938 (F. S. Crofts, New York, \$3.50); and Robinson's *Reading in European History*, Volume I, 1906 (Ginn and Company, New York and Dallas, \$3.50).

133. EUROPE 1500-1914. *Credit 3.* Europe from the Protestant Reformation to World War I. Textbooks: Riker's *A Short History of Modern Europe*, 1935 (The Macmillan Company, New York and Dallas \$4.00). Boak, Hyma and Slossan's *The Growth of European Civilization*, Volume II, 1938 (F. S. Crofts, New York, \$3.50); Packard's *The Age of Louis XIV*, 1929 (Henry Holt and Company, New York, \$1.40); and Robinson's *Readings in European History*, Volume II, 1906 (Ginn and Company, New York and Dallas, \$4.50).

213. THE UNITED STATES, 1492-1865. *Credit 3.* American development from the period of discovery to the Civil War. Textbook: Chitwood and Owsley's, *A Short History of the American People*, Volume I (D. Van Nostrand Company, New York, \$5.00). Prerequisite: Sophomore standing.

223. THE UNITED STATES, 1837-1898. *Credit 3.* Survey period of Bourgeoise revolution and rise of group democracy in America. Textbook: Owsley, Chitwood, and Nixon's *A Short History of the American People*, Volume II (1866-1947) (D Van Nostrand Company, New York, \$5.00). Prerequisite: Sophomore standing.

303. ENGLAND, 1485 TO PRESENT. *Credit 3.* Modern Britain from the Tudors to the Labor Government. Textbooks: Lunt's *History of England*, Third Edition (Harper and Brothers, New York, \$4.50); Cheyney's *Social and Industrial History of England* (The Macmillan Company, New York and Dallas, \$3.00).

MATHEMATICS

133. SOLID GEOMETRY. *Credit 2.* Sound ideas as to the nature of a geometrical proof; foundations upon which the science rests; original problems and numerical examples. Five lessons, Textbook: Welchons Krickenberger's *Solid Geometry*, Revised Edition (Ginn and Company, New York and Dallas, \$2.50).

113. COLLEGE ALGEBRA. *Credit 3.* Selected topics from standard algebra. Textbook: Rider's *College Algebra* (The Macmillan Company, New York and Dallas, \$3.40).

123. TRIGONOMETRY. *Credit 3.* Standard selections from plane trigonometry. Textbook: Palmer and Leigh's *Plane and Spherical Trigonometry*. Fourth Edition, with tables (MacGraw-Hill Book Company, New York, \$3.00). Prerequisite: Two years of high school mathematics.

213. ANALYTICAL GEOMETRY. *Credit 2.* The point, the straight line, and the conic section. Textbook: Smith, Gale and Needley's *New Analytic Geometry* (Ginn and Company, New York and Dallas, \$3.20). Prerequisite: Trigonometry.

223. DIFFERENTIAL CALCULUS. *Credit 3.* The differentiation of algebraic and transcendental functions with applications. Textbook: Granville, Smith and Longley's *Differential and Integral Calculus*, Revised Edition, 1934 (Ginn and Company, New York and Dallas, \$4.50).

313. INTEGRAL CALCULUS. *Credit 3.* Evaluating ordinary integrals and their application to practical problems. Textbook: Same as for Mathematics 223.

423. DIFFERENTIAL EQUATIONS. *Credit 3.* Ordinary differential equations and their application.

PHILOSOPHY

303. PHILOSOPHIES OF LIFE. *Credit 3.* For beginning philosophy students; methods and theories of philosophy. Textbook: Titus' *Living Issues in Philosophy* (American Book Company, New York, \$3.85). Prerequisite: Sophomore standing.

323. ETHICS. *Credit 3.* Development of morals, standards of value, conscience and methods of social control. Textbooks: Drake's *Problems of Conduct*, Revised Edition (Houghton Mifflin Company, Boston, \$3.60); Wheelwright's *A Critical Introduction to Ethics* (Doubleday, Doran and Company, New York, \$3.50). Prerequisite: Sophomore standing.

PHYSICAL EDUCATION

243. METHODS AND MATERIALS OF HEALTH EDUCATION. *Credit 3.* Meets State Department requirement for elementary teachers in health education; the school health program; the source of material in the field. Textbooks: *Health Instruction Guide for Elementary School Teachers*, Bureau of Nutrition and Health Education, Division of Extension, The University of Texas, 1932, free; Ruth Grout's *Handbook of Health Education*, 1948 (W. B. Saunders Company, Philadelphia \$4.00). Prerequisite: six semester hours in Education and Biology 114 or 354 or Physical Education 473.

PHYSICS

214. GENERAL PHYSICS. *Credit 4.* Mechanics, heat, sound, electricity and light. The lecture portion of Physics 214 may be taken by correspondence in two separate correspondence courses, 214 and 224, comprising the first and second semester's work, respectively. The laboratory work will have to be done in residence, either during the Summer Session or the Long Session. Degree credit will be given only when both the laboratory and lecture work have been completed. Textbook: Spinney's *Textbook of Physics*, Fifth Edition (The Macmillan Company, New York and Dallas, \$4.50).

224. GENERAL PHYSICS. *Credit 4.* Continuation of Physics 214.

PSYCHOLOGY

103. ELEMENTARY PSYCHOLOGY. *Credit 3.* Principles of human behavior and their application. Prerequisite: Sophomore standing.

SOCIOLOGY

213. INTRODUCTION TO SOCIOLOGY. *Credit 3.* General phenomena of human society; fundamental social processes and social problems. Text-book: Dawson and Getty's *Introduction to Sociology*, 1948 (The Ronald Press, New York, \$5.00). Prerequisite: Sophomore standing.

SPANISH

223. ADVANCED GRAMMAR AND READING. *Credit 3.* Continuation of Spanish 213. (The additional books will cost about \$2.25). Prerequisite: Spanish 213.

PHYSICAL EDUCATION

PHYSICS

PSYCHOLOGY

ENROLLMENT

REGULAR SESSION 1951-52

ABBREVIATIONS: Ag—Agriculture; A&S—Arts and Sciences; HE—Home Economics; Engr—Engineering; NE—Nursing Education

SYMBOLS: 1—Freshmen; 2—Sophomore; 3—Junior; 4—Senior; Spec—Special Uncl—Unclassified; Grad—Graduate Study; *—Veteran; 1T—First Year Trade; 2T—Second Year Trade.

Classification shown as of September 1951 for students first semester; as of February 1952 for students attending second semester only or both semesters.

Abner, Rudolph Q.; A&S-2	Baytown	Anderson, Willie G.; Engr-4	Longview
Abram, Maryetta; Grad-T	San Antonio	*Andrew, Cecil Lee; A&S-Grad	Dallas
Adair, Bonnie Faye; A&S-1	Mt. Pleasant	Arceneaux, Leo; A&S-1	Raywood
Adams, Billie Jean; A&S-2	Ft. Worth	Armelin, Marjorie A.; A&S-1	Port Arthur
Adams, Carl Denny; Engr-2T	Jasper	*Armstrong, Damon T.; Ag-4	Waelder
Adams, Ceatrice; A&S-4	Port Lavaca	Armstrong, Napoleon; Ag-Grad	Waelder
Adams, Geneva; A&S-4	Jasper	Arnic, Vera; A&S-4	Lockhart
Adams, J. C.; Ag-1	Jasper	Arnold, Catherine; A&S-2	Dallas
Adams, Lobis; A&S-3	Henderson	Arterberry, Berta D.; A&S-1	Troup
Allen, Lawrence A.; A&S-1	Needville	Arthur, Alton V.; Engr-1	Waller
Allen, Robert; Engr T	Dewalt	Ashurst, Mattie Lee; A&S-1	Port Worth
Adams, Mildred M.; A&S-4	Jasper	Atkins, Roy A.; A&S-1	Austin
Adams, Mildred S.; A&S-4	Jasper	Atkinson, Robert; Ag-2	Weimar
Adams, Sammie M.; A&S-2	Schulenburg	Austin, Mary B.; A&S-4	Eagle Lake
Albrow, Ernestine; A&S-2	Beaumont	Austin, Mary P.; HE-4	Waco
Aldridge, Toncie L.; A&S-1	Ft. Worth	Austin, Mozelle; HE-2	Daingerfield
Alex, Dorothy V.; A&S-3	Beaumont	Austin, Robbie Lee; A&S-3	Houston
Alexander, Bloomie O.; HE-1	Troup	Averhart, Betty; NE-2	Corsicana
Alexander, Erthylene; A&S-2	El Campo	Badgett, Emma Rose; A&S-3	Port Arthur
Alexander, Rauletti C.; A&S-2	Cleburne	Baggett, Percy, Jr.; Ag-1	Jacksonville
Alexander, Roosevelt; A&S-2	Oakwood	Bailey, Johnnie Mae; NE-1	Galveston
Alfred, Evelyn; HE-1	Baytown	Bailey, Leroy; Ag-1	Wharton
Alfred, Olivia; A&S-4	Baytown	Bailey, Ossie Lee; A&S-1	Kennedy
*Allen, Alfred Arnold; Engr	Tyler	Bailey, Thelma A.; A&S-3	San Antonio
Allen, Albert Eugene; A&S-2	Galveston	Baines, Naye Dean; A&S-3	Cleveland
Allen, Betty Jean; A&S-2	Carthage	Baker, Carole J.; HE-2	Galveston
Allen, Daisy M.; A&S-3	Dallas	Baker, Dorothy Mae; A&S-1	Port Arthur
*Allen, David; Ag-Grad	Hallsville	Baker, Ethel Bernice; A&S-2	Hearne
Allen, Irma F.; A&S-4	Bay City	Baker, Georgia L.; A&S-1	Daingerfield
Allen, James C.; Engr-2T	Henderson	Baker, Jerdie Mae; HE-2	Wharton
*Allen, John W.; Engr-4	Key West Fla.	Baker, Uzel; A&S-3	Hillsboro
Allen, Lula Faye; A&S-2	Dallas	Baker, Mattie Fern; A&S-2	Port Arthur
Allen, Napoleon B.; A&S-1	Mt. Pleasant	Baldridge, Johnnie	West Columbia
Allen, Ollie P.; A&S-3	Malakoff	Baldwin, Henrietta; A&S-1	Baytown
Allen, Peggie Jo; NE-1	Marshall	Balkey, Cleotha; A&S-4	Port Arthur
*Allen, Richard Minor; Engr-3	El Paso	Ballard, Pathrie M.; A&S-1	Timpson
Allen, Willie Mae; A&S-2	Port Arthur	Ballard, Verna; A&S-1	Hearne
Allison, Lena M.; A&S-4	Port Arthur	Banks, Evelyn P.; A&S-3	Lufkin
Alton, Carley Lee; A&S-1	Mt. Enterprise	Banks, Fayette; A&S-4	Beaumont
Amey, Joyce Marie; A&S-2	Rosenberg	Baptiste, Gerald; A&S-1	Beaumont
Amos, Evelyn Louise; A&S-4	Houston	Barber, Curtis Paul; Ag-2	Daingerfield
Amos, Ida J.; Engr-3T	Galveston	Barber, Imogene; A&S-3	Marietta
Anderson, Annie L.; A&S-2	Prairie View	Barber, Mildred L.; A&S-3	Nacogdoches
Anderson, Bennie Earl; Ag-1	Jourdanton	Barefield, Dorothy C.; NE-2	Port Lavaca
*Anderson, Charles B.; A&S-1	Jourdanton	Barlow, Christine; A&S-2	Woodville
Anderson, Christine; A&S-2	Carthage	*Barlow, Samuel; A&S-4	Beaumont
Anderson, Coreace B.; HE-1	Smithville	Barlow, Woodrow; Ag-4	Woodville
Anderson, Delores; A&S-2	Houston	Barnes, Carnegie; A&S-3	Camden
Anderson, Doris; A&S-3	Ennis	Barnes, Evelyn M.; A&S-1	Camden
Anderson, Emma; HE-4	Bastrop	Barnes, Samuel N.; Engr-3	Lufkin
Anderson, Ethel Mae; A&S-1	Jewell	Barnett, Ida James; HE-1	Orange
Anderson, Gloria; A&S-1	Galveston	Barrett, Annie P.; A&S-2	Crosby
Anderson, Jessie L.; HE-1	Denison	Barrett, Artie Mae; HE-4	Houston
*Anderson, Johnnie L.; A&S-4	Ft. Worth	Barrett, Geraldine; A&S-2	Palestine
Anderson, Patsy J.; A&S-2	Cameron	Barrett, Johnnie W.; A&S-1	Longview
Anderson, Theresa; A&S-1	Beaumont		

Barrett, Juanita M.; A&S-1	Longview
Barrett, Ruth Helen; NE-1	Jacksonville
Barry, Alice Jean; A&S-2	Hallsville
Barryer, Thelma; A&S-3	Longview
Bartee, Billy N.; Engr-1	Blooming Grove
Bass, Edward B.; Ag-1	Waco
*Bass, Joseph V.; A&S-2	Midland
Bass, Mable Lee; A&S-2	Amarillo
*Bastanes, Juan; A&S-Grad	Buffalo
*Batiste, George; Engr-4	Galveston
Batts, Alma Lucinda; HE-2	Bremont
Batts, Bobbie Jean; A&S-1	Waco
Batts, Willie Pearl; A&S-1	Bremont
Baugh, Laverne; HE-4	West Columbia
Beal, Sarah Juline; A&S-2	El Paso
Beall, Floyd A.; A&S-4	Henderson
Beasley, Willie O.; A&S-4	Gilmer
Beason, Cary Henry; Engr-2	Palestine
Beason, Lorenzo A.; A&S-2	Palestine
Beatty, Joe Nathan; Ag-1	Clarksville
Beck, Dorothy Mae; A&S-1	Jasper
Beck, Pauline A.; A&S-1	Houston
Beck, Kendall; Ag-2	Buffalo
Bedford, Alice Ona; A&S-4	Houston
Bell, Beatrice; A&S-1	Colmesneil
*Bell, George, Jr.; Ag	Clarksville
Bellard, Mary Louise; NE-1	Houston
Bell, Ruthie M.; A&S-4	Overton
Bellinger, Dorothy A&S-4	San Antonio
Bellinger, Thomas L.; A&S-2	Austin
*Bennett, Frank R.; Engr-4T	Groveton
*Bennett, Sidney E.; Engr-4	Fairbank
Benson, Pinkie Mae; A&S-1	Needville
Berry, Bessie; NE-1	Port Arthur
Berry, Emmett, Jr.; A&S-1	El Paso
Berry, Eugene; A&S-1	Dallas
Berry, Virginia R.; HE-2	Mt. Pleasant
Best, Charles S.; Engr-1	Brackettville
Beverly, Harold; A&S-4	Port Arthur
Beverly, Loma Jean; A&S-1	San Angelo
Biggs, Fennion L. E.; A&S-3	Calvert
Bigsby, Ermoline; HE-4	Brenham
Bigsby, Norma L.; A&S-2	Brenham
*Bishop, Darryl; A&S-Grad	Houston
Bizzle, Sadie Jean; HE-2	Kanawha
Black, Edward George; A&S-1	Grapeland
Black, Jacquie Sue; A&S-1	Austin
Blair, Corine; A&S-1	Malakoff
Black, Joe Thomas; Ag-4	Grapeland
Black, Tommie L.; A&S-1	Vermont
Black Vernon R.; A&S-4	Carthage
Blackburn, Robert, Jr.; Ag-2	Arlington
Blackley, Billy Lee; A&S-3	Teague
Blakemore, John; A&S-1	Dallas
Blanton, Dorothy J.; A&S-2	Fort Worth
Blocker, Naomi; A&S-4	Hearne
Blocker, Minnie; A&S-4	Lufkin
Blocker, Vina E.; HE-4	Hearne
Boardingham, Paul E.; Engr-4	Texarkana
Bobb, Rubye Helen; A&S-3	Port Arthur
Bolden, Willie; A&S-4	Houston
Bolton, Lois W.; A&S-1	Center
Bonner, Beulah; A&S-4	Austin
Bonner, Carnell; A&S-4	Atlanta
Bonner, Helen D.; A&S-4	Somerville
Booker, Andrew; Ag-4	Huntsville
Bonner, Nepha; A&S-4	Dallas
Booker, Bettie Jean; A&S-1	Columbus
*Booker, Herman; Ag-4	Huntsville
Booker, Geraldine; A&S-1	Ennis
Booker, Jessie, Jr.; A&S-1	Cushing
Booker, Marion; A&S-1	Fort Worth
Bookman, Roby; Ag-1	Richards
Boone, Jacqueline; A&S-2	Van Vleck
Booth, Billie; HE-4	Henderson
Borders, George H.; A&S-1	Longview
Boson, Bernice G.; HE-2	Hempstead
Boson, Olevia; A&S-4	Hempstead
Bostic, Dorothy; A&S-3	Houston
Boston, Lucille; A&S-2	Houston
Bouchum, Myrtle Opal; NE-2	Hallsville
Boudoin, Maurice; A&S-1	Beaumont
Bound, James David; A&S-1	Beaumont
Bowens, Carneda; A&S-3	Dallas
Bowens, Gloria Dean; A&S-1	Ennis
Bowens, Ruth D.; NE-1	Dallas
Bowers, Cornela A.; A&S-3	Dallas
Bowers, Evelyn; A&S-4	Dallas
Bowie, C. G.; A&S-3	Big Sandy
Bowie, Jessie Jee; A&S-1	Beaumont
Bowie, Rufus, Jr.; Engr-1	Longview
Bowie, Willie Mae; NE-1	Houston
Bowman, Thomas M.; A&S-1	Athens
Boyd, Elma Louise; A&S-1	Longview
Boyd, James L.; A&S-4	Dallas
Boyd, Wesley A.; A&S-2	Fort Worth
Brackins, Charles; A&S-1	Dallas
Bracy, Ora; NE-Spec	San Angelo
Bradford, Bryant, Jr.; Ag-1	Gilmer
Bradford, Charles; A&S-1	Plano
Bradford, Daisylyn; A&S-3	Alto
Bradford, Laverne; NE-1	Smithville
Bradley, Dan; A&S-3	Cameron
Bradley, Joe Lamar; A&S-1	Longview
Bradshaw, Margaret A.; A&S-1	Port Arthur
Brady, Alberta B.; A&S-3	San Antonio
Brady, June Ethel; A&S-2	San Antonio
Braggs, Vallye M.; A&S-2	Longview
Brailsford, Valree; A&S-4	Burkeville
Branch, Elizabeth; A&S-3	Lockhart
Branch, Faye Thelma; A&S-2	Port Arthur
Branch, June; A&S-4	Port Arthur
Brantley, Melva; A&S-1	Reklaw
Brantley, Ruby; A&S-1	DeKalb
Brashear, Deloris A.; A&S-2	Dallas
Bratcher, Edward; A&S-3	Kerrville
Bratcher, Vivian; HE-4	East Bernard
Bratcher, Willie M.; A&S-1	East Bernard
Brazos, Anna Jean; A&S-1	Houston
Breckenridge, Joe J.; Ag-2	Jasper
Breed, John Willie; A&S-1	Fort Worth
Brewer, Maynard; A&S-4	Teague
Brewer, Ramona; A&S-4	Lufkin
Brewster, Gladys; HE-2	Forth Worth
Briggs, Edna Mae; A&S-1	China
Brigham, Edethia; A&S-3	Greenville
Briggs, Ervin; Ag-3	Cold Springs
Brigman, Arnold A.; A&S-2	Atlanta
Briscoe, Frankie; HE-4	Delia
*Britton, Charles; A&S-4	Dallas
*Britton, Maceo; A&S-4	Trinity
Broadnax, Betty Jean; A&S-1	Sequim
Brooks, Abbie L.; A&S-4	Mexia
Brooks, Alfred James; Engr-IT	Dayton
Brooks, Altha; A&S-4	Lyons
Brooks, Catherine L.;	Houston
Brooks, Emory; A&S-3	Shreveport, La.
Brooks, Mae Ruth; A&S-4	Odessa
Brooks, Mary Jean; A&S-2	Pittsburg
Brooks, Ruby Jewell; HE-2	Tyler
Brotherton, Arthur M.; Engr-3	Dallas
Brotherton, Tommy; A&S-1	Lewisville
Broussard, Burness; Engr-2	Port Arthur
Broussard, Evelyn M.; HE-2	Port Arthur
Broussard, Melva A.; A&S-1	Port Arthur
Brown, Adolphus N.; Engr-4	Kilgore
*Brown, Arthur Lovis; A&S-3	Hillsboro
Brown, Beuford; A&S-3	James
Brown, Charles E.; A&S-4	Lubbock
Brown, Charles Eta; A&S-3	Dallas
Brown, Charlie Mae; A&S-2	Rosenberg
Brown, Clementine L.; A&S-Grad	Hempstead
Brown, Clever; Engr-3	Bivins
Brown, Earl; A&S-4	Nacogdoches
Brown, Eddie; Engr-1T	Edna
Brown, Edna; A&S-3	Galveston
Brown, Effie; HE-4	Elgin
Brown, Lewis Charles; A&S-1	Waco
Brown, Erma Lee; A&S-1	Stanton
Brown, Geneva; A&S-3	Elgin

Brown, Harold James; Engr-2T	Dallas
Brown, Irvin Mann; Engr-2	W. Columbia
Brown, J. C., Jr.; A&S-2	Pittsburg
Brown, James P.; A&S-Spec	Houston
Brown, Lelton; A&S-3	James
Brown, Leona; A&S-2	Port Arthur
Brown, Leroy; A&S-Grad	Crockett
Brown, Margaret W.; A&S-1	Houston
Brown, Mattie; A&S-4	Giddings
Brown, Marie; A&S-2	San Antonio
Brown, Melvin V.; A&S-2	Kendleton
*Brown, Samuel; Engr-4	Cameron
Brown, Selma; A&S-3	Pittsburg
Brown, Vela Anita; A&S-1	Kendleton
*Brown, Virgil L.; Engr-4	Kilgore
Brown, Vivian A.; A&S-3	Fort Worth
*Browning, Clemmie; A&S-4	Texarkana
Bruce, Geraldine; HE-2	Texarkana
Bryant, Albertine Era; HE-1	Rusk
Bryant, Concie Jane; A&S-2	Gainesville
Bryant, Elbie C.; A&S-3	Dallas
Bryant, Frank, Jr.; A&S-4	San Antonio
Bryant, Joe E., Jr.; A&S-3	Beaumont
Bryant, Marjorie; A&S-2	Fostoria
Bryant, Willie Lee; Engr-2	Terrell
Buford, Ima; A&S-4	Naples
Burgs, Dorothy Jean; A&S-1	Longview
Burgs, Mary L.; A&S-3	Longview
Bunkley, Lonnie; A&S-4	Denison
Burditte, Vera Hazel; A&S-1	Belton
Burnham, Faye F.; A&S-1	Newton
*Burks, Chester Lee; Engr-4	Palestine
Burks, Willie Maggie; A&S-1	Fairfield
Burleson, Grace Lloyd; NE-1	Houston
Burleson, Kenneth; A&S-2	Dallas
Burleson, Mary J.;	Houston
Burleson, Melvin; Ag-4	Houston
Burley, Annell M.; NE-1	Mt. Pleasant
Burnett, Freddie Mae; NE-3	Wichita Falls
Burnett, Ruby Lee; NE-1	Ferris
Burnette, Bessie; A&S-1	Baytown
Burns, Dotson, Jr.; A&S-1	Fort Worth
Burns, Walter; Engr-T	Caldwell
Burrell, Almeda R.; HE-4	Nacogdoches
Burrell, Juanita; A&S-3	Palestine
Burrell, Theresa J.; A&S-1	Cuney
Burton, Abe Madison; Engr-1T	Dallas
Burton, Doris Jean	Denison
Burton, Laverne; A&S-1	Temple
Burton, Mamie Sue; A&S-1	Dallas
Burton, James; A&S-Grad	Hawkins
Burton, Van O'Neal; Ag-3	Tatum
Busby, Adam; Engr-3T	Teague
Busby, Billie Jean; A&S-3	Teague
Busch, Henry L.; Engr-1	Houston
Bussey, Mildred L.; A&S-1	Tenoba
Butcher, Arthur J.; Engr-1T	Wortham
Butler, Douthard R.; A&S-1T	Waxahachie
Butler, Ellena L.; A&S-2	Palestine
Butler, Horace; Engr-1T	Edna
Butler, Gwendolyn M.; A&S-3	Denison
Butler, Julia Vernice; A&S-2	Galveston
*Butler, John A.; Ag-2	Overton
Byrd, Bobbie; A&S-1	Fort Worth
Byrd, Elmer Kent; A&S-2	Ft. Worth
Byrd, Euraline; HE-3	Temple
Byrd, James S.; Ag-4	Madisonville
Byrd, Roosevelt; Engr-1	Crawford
Byrdon, Joyzelle; A&S-1	Brazoria
*Caesar, Lestee; A&S-2	El Campo
*Caldwell, Azee; Ag-4	Yoakum
Caldwell, Rosebell; A&S-2	Neches
Calhoun, Tom C.; A&S-3	Fort Worth
Callahan, Robert; A&S-3	Texarkana
Callahan, Roger T.; Ag-1	Texarkana
Callagar, Audrey; A&S-1	Port Arthur
Callies, Davetta B.; A&S-1	Houston
Campbell, Arthur Mae; A&S-1	Freeport
Campbell, Robert L.; A&S-1	Dallas
Canada, Labon; A&S-3	Brenham
Canady, Willie R.; Ag-2	Teague
Cannon, Auburn; A&S-2	Big Sandy
Cannon, Willie F.; A&S-4	Jacksonville
Canton, Janie; A&S-4	Geneva
Carpenter, Iola F.; A&S-Grad	Prairie View
Carr, Jackie; A&S-3	Houston
Carr, Nadine; A&S-3	Houston
Carreathers, Tommie; A&S-2	Denison
*Carrier, Roy; A&S-4	Houston
Carrington, Reginald; A&S-4	Dallas
Carrington, Eunice; A&S-1	Dallas
Carroll, Coakey E.; A&S-3	Bryan
*Carroll, Otto S.; A&S-Spec	Prairie View
Carroll, Ruby Faye; A&S-1	Richland
Carter, Maudean; A&S-3	Fairfield
Carter, Maurice; A&S-Spec	Prairie View
Carter, Miles Sammie;	
A&S-3	San Antonio
Carter, Rommie; A&S-1	Dallas
Carter, Ruby Nell; A&S-1	Dallas
Carter, Stonewall; Engr-4	Fort Worth
Carter, Warner Earl; Engr-2	Fort Worth
Cass, Willie Mae; HE-2	Hemphill
Castilow, Tommie L.; A&S-2	Bay City
Caviel, William B.; A&S-4	San Antonio
Ceasar, Otha R.; NE-1	Lane City
Chaison, Ella B.; A&S-1	Beaumont
Chambers, Frances L.; A&S-1	Thornton
Chambers, Lillie A.; A&S-4	Beaumont
Chambers, Melvin T.; Engr-1	Dallas
Chandler, Billie; A&S-4	Brownwood
Chandler, Timothy; Engr-4	Midland
Chaple, David; A&S-3	Carthage
Cheatham, Lillie B.; A&S-4	San Marcos
Cherry, Forrest; A&S-2	Jasper
Chew, James Weldon; A&S-1	Bremond
Childress, Elijah; Engr-1	Abienc
Childress, Hubert; Ag-4	Coleman
Childress, Louis; A&S-4	Fort Worth
Chinn, Hamilton; A&S-1	Galveston
Choyce, Labeas; A&S-2	Laneville
Chriesmon, Ruth U.; HE-4	Houston
Christmon, Dorothy M.; A&S-1	Ledbetter
Christopher, Evelyn; HE-4	Nacogdoches
Clack, Mildred; HE-2	Gonzales
Clark, Haroldyn M.; A&S-3	Dallas
Clark, James Lewis; A&S-2	Houston
Clark, William; A&S-1	Denton
Clarke, Margie C.; A&S-2	Galveston
Clarkson, Mary Lynn; HE-1	Georgetown
Clay, Earnest; A&S-4	Wichita Falls
*Clay, Ketchum; Engr-1T	Navasota
Clay Marlon H.; A&S-2	Wichita Falls
Clay, Willie Mae; A&S-4	Henderson
*Claybon, Lemuel; Ag-4	Polk
Clayborne, Dolores; A&S-4	Henderson
Clayborne, Jimmie; HE-4	Kilgore
Cleaver, Dorothy J.; HE-3	Neches
Clemons, Charlene; A&S-1	Dime Box
*Clemons, Valentine; A&S-3	McKinney
Cleveland, Cleo D.; A&S-1	Galveston
*Cleveland, Jake; Ag-2	Washington
Clifton, Harold A.; A&S-4	Beaumont
Clyde, Lula Mae; A&S-4	Dallas
Cochran, Dorothy Mae; A&S-1	Shepherd
Cohen, Maurine; HE-2	LaMarque
Coit, Erma B. Shaw; A&S-Grad	Longview
Cole, Daniel; Ag-4	Mexia
Cole, Velma; A&S-4	Houston
Coleman, Allene; HE-4	Nacogdoches
Coleman, Edna; HE-4	Mt. Enterprise
Coleman, Elta Mae; NE-1	China
Coleman, John Roland; Engr-2	Denison
Coleman, Mae E.; HE-4	Newton
*Coley, Roxie Joe; A&S-1	Baytown
*Collins, Walter; A&S-4	Santa Anna
*Collins, Clifton; Ag-4	Dime Box
Collins, Joe Edward; A&S-2	Ballinger
Collins, Helen; A&S-2	Ennis
Collins, Joie Mae; A&S-3	Conroe
Collins, Joyce; A&S-4	Coolidge
Collins, Maggie M.; A&S-3	San Angelo

Collins, Olera Mason; A&S-Grad	Fayette	Darden, William M.; Ag-4	Waco
Colter, Grover; Engr-4	Port Worth	Darkins, Margaret M.; A&S-1	Beaumont
Colvin, Yvonne D.; A&S-1	Bay City	Darnell, LaVera; A&S-3	Forney
Coney, Dorothy Marie; A&S-1	Beaumont	Daughtry, Sammie J.; A&S-2	Dallas
Connor, Bettye Jean; A&S-2	Athens	Davernport, Jessie Lee; A&S-1	Bryan
Conner, Billie; A&S-4	Itasco	Davenport, Theresa; HE-4	Galveston
Conner, Doretha D.; A&S-1	Port Arthur	David, Doris; A&S-2	Mexia
Connor, Doris Joan; A&S-2	Columbus	Davis, Addie Mae; A&S-4	Cleveland
Connor, Nathaniel Rex; Ag-1	Weimar	Davis, Agnes Jean; A&S-2	Beaumont
Connor, Morris Lynn; Ag-2	Houston	Davis, Freddie; A&S-1	Nacogdoches
Cook, Charlene; A&S-3	Victoria	Davis, Bettie Sue; A&S-3	Atlanta
Cook, Donald; A&S-4	San Antonio	Davis, Clarence A.; A&S-3	Fort Worth
Cook, Rosa Bernice; A&S-2	Marlin	*Davis, Comoses; A&S-4	Kilgore
Cooper, Bettye Mae; A&S-1	Beaumont	Davis, Darius McLoy;	
Cooper, Ruthie Mae; HE-1	McGregor	Engr-2T	Centerville
Cornier, Gerald W.; Engr-1	Port Arthur	Davis, Dora Lee; A&S-3	Bon Wier
*Cornish, R. V.; Engr-2T	Hempstead	Davis, Ermon; A&S-3	Orange
Coruthers, Jane Edna; NE-1	Prairie View	Davis, Essie; A&S-1	Leona
Coss, Roberta; A&S-1	Plano	Davis, H. R.; Engr-3	Bryan
Cotton, Betty Jean; A&S-2	Groesbeck	Davis, James Edward; Ag-2	Liberty
Cotton, Dorothy Jean; HE-2	Bloomburg	Davis, John Thomas; HE-2	Dickson
Cotton, Margie Nell; A&S-4	Houston	*Davis, Johnnie; A&S-4	LaGrange
Cotton, William Hayes; A&S-1	Dallas	Davis, Kathryn; A&S-1	Dallas
Council, Christine;	Brookstone	Davis, Lillie Belle C.; A&S-2	Bryan
Coursey, Burnett B.; A&S-2	Cleburne	Davis, Lela; A&S-4	Houston
Coy, Mary Louise; A&S-3	Chatfield	Davis, Mary Frances; A&S-2	Dallas
Craft, Ennis; Engr-1	Houston	*Davis, Melvin Douglas; A&S-2	Houston
Craft, Ernestine; HE-1	Port Arthur	Davis, Milbrew; A&S-4	LaGrange
Craft, Lois E.; A&S-3	Dallas	*Davis, Morris; A&S-4	Trinity
Craven, Freddie Lee; A&S-2	Galveston	Davis, Naomi Lee; A&S-1	Bryan
Crawford, Fannie; A&S-3	Palestine	Davis, Nellie; A&S-1	Middleton
Crawford, Joan Amey; A&S-1	Gainesville	Davis, Theodore; Engr-1	Marshall
Crawford, Joan F.; A&S-3	Texarkana	Davis, Virginia L.; A&S-1	Quitman
Crawford, Leroy; A&S-1	San Angelo	*Daviss, Spencer; Engr-2	Anderson
Crawford, Willie A.; A&S-4	San Antonio	Dawsey, Clara Marie; A&S-4	Giddings
Crayton, Helen M.; A&S-3	Rockdale	Dawson, Edward James; A&S-1	Waco
Crayton, Irenza; Engr-1T	Bullard	Dawson, Erastus S.; A&S-2	Sweet Water
Crayton, James D.; Ag-3	Rockdale	Dawson, Henry; A&S-3	Waco
Crear, John C.; Ag-1	Frankston	Dawson, Joe; Engr-1	Lyons
Crenshaw, Betty; Engr-3	Austin	Dawson, Marvis; A&S-3	Austin
Crenshaw, Ernestine; A&S-4	Dale	Dean, Don; Ag-4	Port Lavaca
Crenshaw, Homer Lee; HE-2	Houston	Dean, Fredrica; A&S-4	Galveston
Crowder, Willie Mae HE-1	Powell	Deane, Clara B.; A&S-1	Beaumont
Crump, Herman; A&S-2	Round Top	Deas, Cassie Morrow; A&S-4	Prairie View
Crutcher, Lullaby J. A&S-3	Forney	Deason, Joyce Marie; A&S-1	Houston
*Culberson, Arthur;		*DeBose, A. C.; A&S-3	Stoneham
Culpepper, Faye Marie; NE-1	Houston	DeBose, J. B.; A&S-Spec	Prairie View
Culton, Billie Frank; Ag-1	Normagee	Dedmon, Glenn Tyrone; Engr-2	Ft. Worth
Cunningham, Dailis; A&S-4	Pittsburg	Delce, Walter; Ag-3	Calvert
Curl, Blandene; A&S-4	Huntsville	Delley, Frank; Engr-3	Hearne
Curtis, Letha M. F.;		*Denman, Arthur Lee; A&S-2	Conroe
A&S-2	Port Arthur	*Dennis, Harry; Engr-1T	Hempstead
Curtis, Tommy; Engr-2T	Hempstead	Dennis, Mary E.; A&S-2	Beaumont
Curvey, Maxine; A&S-3	Grapeland	Dennis, Mayme; A&S-3	Brenham
Dabney, Betty; A&S-3	Bryant	Denson, Nina V.; A&S-1	Houston
Dailey, James E.;		Dents, Elizabeth M.; A&S-3	Houston
Engr-Spec	Prairie View	Denwidde, Helen L.; HE-3	Detroit
Daingerfield, Claude; Ag-1	Bryan	DeRouen, Dudley; Ag-1	Raywood
Dancy, Lillie B. M.; A&S-1	Baytown	DeRouen, Milton; A&S-3	Raywood
Dancy, Peter C.; A&S-2	Baytown	DeRouen, Thelma; A&S-3	Raywood
Dancy, Sidney Joseph; A&S-3	Baytown	Derrick, Wanda Jean; A&S-1	Gilmer
Daniel, Andrew T.; A&S-1	Bryan	Dewitty, Mary Sue; A&S-1	Creedmore
Daniel, Eva Jean; A&S-1	Kennard	*Dial, John L.; Ag-3	Sulphur Springs
Daniel, Idell J.; HE-1	Kennard	Dickson, William; A&S-3	Waco
Daniels, Antone, Jr.; A&S-2	Carthage	Diggs, Marie; A&S-3	Calvert
Daniels, Herbert; Ag-4	Marshall	Dillard, Leatha; HE-4	Brenham
Daniels, Jiles P.; Ag-2	Kilgore	Dillard, Lenora Ethel; A&S-1	Brenham
Daniels, Kathryn M.; A&S-2	Houston	Dillon, Ray Dohn; A&S-4	Galveston
Daniels, Norman; Ag-4	Longview	Dixon, Mandy F.; A&S-1	Apple Springs
Daniels, Perry; A&S-3	Dallas	*Dobson, Charles; A&S-2	Denison
Dansby, Demosthenes; Ag-4	Tyler	*Donahue, Alfred; A&S-1	Wharton
Dansby, Jimmy Bruce; A&S-2	Kilgore	Donley, Cleopatra; A&S-1	San Angelo
Dansby, Kenneth Ray; Ag-1	Garrison	Donley, Mary R. Lewis; A&S-3	Galveston
Darby, Lucy Lois; A&S-2	Houston	Donley, Ora Lee	Midland
Darden, Celestine; HE-2	Gilmer	Donnell, Dorothy; A&S-3	Jacksonville
Darden, Earlean; HE-3	Granger	Donnell, Lucy Lee; A&S-2	Streetman
Darden, Ernestine; A&S-3	Gilmer	Dorn, Lonnie Mae; A&S-2	Weimar
Darden, Espanola; A&S-1	Granger	*Dorsey, Archie; Ag-Grad	Hempstead
Darden, Melvin Jelean; A&S-2	Galveston	Dorsey, Sandra Lupe; A&S-2	Waco
Darden, Odessa; A&S-4	Chester	Dotson, Evelyn Ruth; A&S-1	Sealy
		Dotson, Gloria S.; A&S-2	Houston

Dotson, Thomas Henry; A&S-1	Houston
Doucette, Doris M.; A&S-2	Baytown
Douglass, Bennie J.; A&S-1	Caldwell
Douglas, Donald Lee; A&S-2	Ft. Worth
Douglas, Jettie C.; A&S-1	Waskom
Douglas, Perida; A&S-4	Shreveport, La.
Douglas, Ruby Pauline; A&S-4	Sherman
Dow, Mittie; A&S-3	Mexia
Downing, Faye L.; HE-3	Wichita Falls
*Downing, Emzy; A&S-4	Wichita Falls
Downs, Charles F.; A&S-4	Brenham
Downs, Frankie Lafaye; A&S-1	Gilmer
Drake, Raymond Earl; Ag-1	Ladonia
Drennan, Clifton; Engr-3	Dallas
Drennan, Kenneth; A&S-3	Henderson
Drenon, Hermoine; A&S-3	Houston
Driver, Velma Raye; A&S-1	Timpson
Duncan, Don Carl; A&S-4	Gilmer
Duncan, Johnnie; A&S-1	Gilmer
Dunlap, Rubie; A&S-2	Greenville
Dunn, Verner; Ag-2	Groveton
Dupont, Mary; HE-4	Richmond
Dupree, Alma; HE-4	Fort Worth
Dupree, Mary Jane; A&S-1	Hempstead
Durgan, Dolores; A&S-1	Dickinson
*Durham, Bobbie Gene; A&S-3	Pampa
Dyes, Arthur; Ag-4	Milwaukee, Wisconsin
Earle, Bettye Joyce; A&S-2	Houston
Dynes, Massie; HE-3	Houston
Easley, Sammie Lee; A&S-2	Galveston
Easley, Richard; Ag-2	Montgomery
Easterling, Harry W.; A&S-3	Denison
Eaton, Gertie Mae; A&S-3	Lufkin
Edmond, Valrie K. S.; HE-4	Dallas
Edmond, Vernon; Ag-3	Kerens
*Edmondson, James L.; Engr-3	Sherman
Edwards, Annie; A&S-4	Thompson
Edwards, Bobbie V.; HE-1	Taylor
Edwards, Calvin J.; Engr-2T	Lubbock
Edwards, Constance O.; A&S-2	Nacogdoches
Edwards, Davis; A&S-1	Bryan
Edwards, Elgie Ruth; A&S-2	Mexia
Edwards, Marvin; Engr-3	Georgetown
Edwards, Elvin H.; A&S-1	Elhart
Edwards, Myrtle Lee; A&S-1	San Augustine
Edwards, Ruth; A&S-4	San Antonio
Edwards, Virgil M.; Ag-1	Stephenville
Edwards, Willie Mae; A&S-4	Thompson
Eldridge, Adlonious; HE-3	Brenham
Eldridge, Dorothy; HE-3	Brenham
Eldridge, Dorothy; A&S-1	Houston
Eley, Dorothy; A&S-2	Huntsville
*Elgin, James E.; Engr-1T	Houston
Elliott, Datie Mae; A&S-2	Hillsboro
Ellison, Dorothy; A&S-3	Fort Worth
Elmore, Collins; Ag-3	Cold Springs
Elmore, Mertha; A&S-3	Cold Springs
Elston, Sylvia Maye; A&S-2	Dallas
Emanuel, Gussie Lee; HE-2	Temple
Emanuel, Pearl J.; HE-3	Groveton
Emanuel, Viola Marie; HE-2	Groveton
English, Bertram; A&S-3	Houston
English, Clarence; A&S-1	Denison
English, Dorothy Mae; A&S-1	Trinity
English, Frank T.; A&S-1	Annona
English, Jewellene J.; A&S-2	Marlin
Engram, Beatrice; NE-1	Prairie View
Engram, Betty; A&S-3	Lufkin
Enoch, Willard Felton; A&S-4	Cuero
Ervin, Vonceil; A&S-2	Tyler
Estes, Curtis Lucas; Ag-1	Houston
Eubanks, Delores F.; A&S-1	Beckville
Evans, Ada Marie; A&S-2	Floydada
Evans, Charles L.; Engr-1	San Antonio
Evans, Gladys Nadine A&S-2	Galveston
*Evans, McCoy; Ag-4	Tyler
Evans, Ocie Leen; A&S-2	Dallas
Evans, Tullie R.; A&S-3	Brenham
Everett, Charles; A&S-1	Omaha
Ewing, Onie; A&S-4	Washington
Faine, Johnnie; HE-4	Fort Worth
Faulkner, Theola G.; A&S-2	Dallas
*Fears, Frank; A&S-4	Groveton
Fears, Shirley; A&S-4	Lufkin
Felley, Maye Ella; A&S-3	Navasota
Ferguson, Earline O.; Engr-2T	Overton
Ferguson, Melvia J.; Engr-2T	Overton
Fields, Attrel O. Jr.; Engr-3	Overton
Fields, Barbara Jean; A&S-1	Houston
Fields, Bener R.; Engr-1T	Waskom
Fields, Billie Ruth; A&S-1	Hearne
Fields, Grace K.; A&S-1	Cameron
Fields, Jack A.; A&S-1	Austin
Fields, Jesse; Engr-3	Brazoria
Fields, Maxine; A&S-4	Fort Worth
Fields, Myrtle; A&S-4	San Antonio
Fields, Peggy Ann; A&S-1	Dallas
Finley, Ruth; A&S-4	Temple
Finney, Hubert C.; A&S-1	El Paso
Fisher, Evelyn Irene; A&S-2	Navasota
Fisher, Franklin G., Jr.; Engr-1	Sandusky, Ohio
Fisher, Lorene C.; A&S-1	Austin
Fisher, Marjorie L.; A&S-2	Highbank
Fisher, Nona L.; NE-1	Navasota
Flanagan, Fred H.; A&S-2	Silsbee
Flanagan, Claude; A&S-4	Henderson
Flanagan, Uria Dean; A&S-1	Longview
Flannel, Malvin L.; A&S-2	Brazoria
Fleeks, Edwardlene M.; A&S-2	Texarkana
Fleming, Salye; A&S-3	Calvert
Fleming, Virginia; A&S-1	Lamesa
*Flewellen, John W.; A&S-3	Terrell
Flemings, Mary L.; A&S-1	Somerville
Flowers, Annie Joe; A&S-3	Dallas
Flowers, Bernard; A&S-2	Dallas
Flowers, Elois R.; Ag-3	Clay
Flowers, Hattie M. H.; A&S-Grad	Brenham
Flowers, Leroy; A&S-1	Port Arthur
Flowers, Tommy Lee; Engr-4	Corsicana
Flowers, Yvonne D.; A&S-2	Houston
Floyd, Rufus Tom; A&S-1	Smithville
Foley, Alfonso; A&S-1	Dallas
Foley, Rosie; A&S-4	Dallas
Fontenot, John; A&S-4	Beaumont
Fontenot, Raymond C.; A&S-1	Liberty
Fontno, Leonard T.; A&S-4	Beaumont
Foot, Virginia; NE-1	Galveston
Ford, General Hue; A&S-2	James
Ford, Imogene; A&S-4	Fort Worth
Ford, James Lee; A&S-3	College Station
Ford, Mary Alyce; A&S-3	Fort Worth
*Ford, Rolland; Engr-4	El Paso
Ford, Ruth Louise; HE-1	Dallas
Foreman, Dolores M.; A&S-2	Fairfield
Foreman, Lovie D.; NE-1	Elhart
Forkeway, George, Jr.; A&S-1	Abilene
Fort, Nelva; A&S-4	Texarkana
Poster, Birdell; A&S-3	Hearne
Poster, Doris; A&S-3	Hearne
Poster, Eva Jean; A&S-2	Fort Worth
Portson, Bobbie E.; Ag-1	Kilgore
Fowles, Essex; A&S-1	Terrell
Francis, Howard E.; A&S-2	Jacksonville
Francis, Lucille; A&S-2	Jacksonville
*Francis, Luther; Engr-Grad	Paris
Franklin, Audrey; A&S-3	Dallas
Franklin, Ernestine; A&S-1	Houston
Franklin, Gazell; A&S-4	Trinity
Franklin, Ira; Ag-4	Conroe
Franklin, Jo Nell; A&S-3	Rosser
Franklin, Ora Lee; A&S-1	Lyons
Franklin, Patsy R.; A&S-2	New Willard
*Franklin, Perry; Ag-4	Chapel Hill
Franklin, Rebecca J.; A&S-4	Navasota
Franklin, Thomas J.; A&S-1	Conroe
Frazier, Anne Ruth; A&S-2	Oklahoma City, Oklahoma
*Frazier, David; Ag-4	Woodville
Frazier, Jerline; A&S-2	Kirbyville
Frazier, Naomia Jean; HE-2	Doucette

*Frazier, Tommie Lee; Ag-Grad	Houston	Gilmore, Harrison B.; Engr-1T	Bryan
Frederick, Austin; Ag-4	Berclair	Gilmore, Joe Louis; A&S-1	Oakwood
Freeman, Bogie; A&S-2	Hempstead	Gilmore, Zelma Maxine; A&S-1	Oakwood
Freeman, Dora; A&S-3	Dallas	Gipson, Fay Rene; A&S-2	Forney
Freeman, Frank; A&S-1	Cameron	Gipson, Vassie Bennie; A&S-2	Dallas
Freeman, John R.; A&S-3	Dallas	Gipson, Willie; A&S-4	Corpus Christi
Freeman, Linzy Lee; A&S-	Hempstead	Givens, Clay F.; A&S-1	Athens
Freeman, Mable B.; A&S-2	Lindale	Gladney, Pearly J.; NE-2	Port Lavaca
Freeman, Marcus A.; A&S-1	San Antonio	Glass, John Henry, Jr.;	
Freeman, Theodore; Ag-4	Camden	A&S-1	Schulenburg
Freeman, Myrtle Lean; A&S-1	Cameron	Glasco, Richard A.; Engr-1	San Antonio
Friday, Dorothy B.; A&S-2	Seguin	Glenn, Leon; Engr-3	Glidden
Friday, Phaye E.; A&S-2	Abilene	Godine, Burnice E.; A&S-1	Bryan
Frierson, Bettey L.; HE-1	Dallas	Godine, Jewel; A&S-3	Bryan
Fry, Eleanor; HE-4	Prairie View	Godine, Ruby Bonita; A&S-3	Bryan
Fry, Irene LaVerne; A&S-1	Prairie View	Gooden, Bessie; A&S-4	Cameron
Fry, Ethel M.; A&S-Spec	Prairie View	Gooden, Johnnie Ruth; A&S-1	Hempstead
Fry, Mary Ethel; A&S-Spec	Prairie View	Gooden, Julia; A&S-2	Hempstead
Frye, Hester Mae; A&S-1	Jacksonville	Gooden, Willie; A&S-2	Clarksville
Frye, Vivian; HE-3	Greenville	Goodman, Roland A.; A&S-1	Beaumont
Fryer, Lawrence W.; Ag-2	Gonzales	Goodspeed, Robert A.; Engr-3	Ft. Worth
Fucuals, Ozella M.; A&S-2	Dallas	Gooden, Willie C.; A&S-2	Clarksville
Fucuals, Walter; A&S-4	Corpus Christi	Gordon, Josephine; A&S-3	Wharton
Fulbright, Catherine NE-1	Paris	Gordon, Mildred L.; A&S-3	San Angelo
Fulbright, Donald C.; A&S-2	Paris	Gosey, Lewis; A&S-2	Bon Wier
Gabriel, Blanche; A&S-3	Fairfield	Gosey, Norene E.; A&S-2	Bon Wier
Gabriel, Burnis; Engr-3	Fairfield	Goudeaux, Bertha; A&S-4	Port Arthur
Gaines, Loretha M.; A&S-2	Mt. Pleasant	Goss, James Rex; A&S-1	Tyler
Gaines, Wayne Marcus; A&S-2	Texarkana	Goyens, Theron; A&S-4	Texarkana
Gamble, Calvin G.; Engr-1	San Augustine	Grace, Donald E.; A&S-4	Houston
Gamble, Doris; A&S-4	Hearne	Grace, Maurine; A&S-4	Houston
Gamble, Evelyn; HE-3	Galveston	Grant, Deloria H.; A&S-1	Austin
Gant, Ella; HE-3	Lubbock	Grant, Ruby J.; A&S-1	Reklaw
Gambles, Janie; HE-3	Omaha	Graves, Lucille; A&S-2	Independence
Garcia, James; Ag-3	Belmont	Graves, Thelma Eloise; A&S-1	Dallas
Garcia, Marian; A&S-3	Rosenberg	Gray, Albert, Jr.; A&S-1	Bartlett
Gardner, Charlie; Ag-3	Brenham	Gray, Tommie Lee; A&S-4	Linden
Gardner, Irene D.; A&S-4	Malakoff	Grayson, Lillie Mae; A&S-1	Jewett
*Gardner, Jesse; A&S-4	Terrell	*Green, Albert; A&S-2	Palestine
Garland, Bessie M.; A&S-1	DeKalb	Green, Alma Betty; A&S-1	Mt. Pleasant
Garland, William B.; A&S-2	Texarkana	Green, Effie Mae; A&S-4	San Antonio
Garner, Elijah; Ag-2	Nacogdoches	Green, Hazel; A&S-3	Fort Worth
Garner, Audrey Mae; HE-4	Winona	*Green, Jobe, Jr.; A&S-2	Waller
Garner, Herman Louise;		Green, Lena Mae; A&S-1	Normangee
HE-2	San Augustine	Green, Myrtle J.; A&S-2	Galveston
Garner, Samuel; A&S	San Augustine	Green, Roger Dell; Engr-1T	San Antonio
Garnett, Burl; A&S-3	Hempstead	Green, Reginald A.; A&S-1	Palestine
Garnett, Lindsay; A&S-1	Temple	Green, Verdina; A&S-4	Cleveland
Garrett, Ada; HE-4	Nacogdoches	Greene, Clarice; A&S-3	Paris
Garrett, Alice O.; A&S-2	Malakoff	Greene, Curley, Jr.; A&S-2	Prairie View
Garrett, Doretha L.; A&S-4	Brenham	Greene, David; A&S-4	Linden
Garrett, Henderson; Ag-4	Fairfield	Greene, Dolores; A&S-3	Weimar
Garrett, James W.; Ag-2	Joquin	Greene, Jesse L.; A&S-2	Weimar
Gates, Carolyn; A&S-3	Cleburne	Greene, Robert Leon; A&S-1	Kerens
Garrison, Annie; HE-4	Longview	Greenleaf, Douglas L.; Ag-1	Coldspring
Gates, Helen Marie; HE-1	San Angelo	Greenwood, Arlene; A&S-4	San Antonio
Gates, Henry Eugene; Ag-2	Garrison	Gregory, Goldie R.; A&S-1	Nacogdoches
Gee, Carolyn; A&S-4	Galveston	Gregory, Jonathan; Engr-3	Houston
Gee, Samuel H.; A&S-1	Bay City	Gregory, Roosevelt; Ag-2	Giddings
Gerald, Grace; HE-1	Beaumont	Griffin, Bobbie; A&S-3	Jacksonville
Gibbs, Leon; A&S-3	Beaumont	Griffin, Catherine; A&S-2	Lalita
Gibbs, Thelma Alice; A&S-4	Brenham	Griffin, Floyd; A&S-3	Texarkana
Gibson, Bobbie Jean; A&S-4	Calvert	Griffin, Walter Lee; A&S-2	Houston
Gibson, Doctor; Engr-1	Camden	*Griggs, James W.; Engr-4	Prairie View
Gibson, Dorothy; HE-4	Houston	Griggs, Peggy Sue; A&S-1	Plano
Gibson, Marie C.; A&S-3	Texarkana	Griggs, Rose Mary; A&S-1	Hallettsville
Gibson, Trolieus; A&S-3	Calvert	Griggs, Vernice; A&S-1	Fort Worth
Giddings Emma; HE-4	Hillsboro	Griggs, Willie Earl; A&S-1	Fort Worth
Gilbert, Linnie Ruth; A&S-2	Coleman	Grimes, Archie; A&S-4	Wichita Falls
*Gilecrease, Herbert Engr-1	Columbus	Grimes, James C.; A&S-1	Silsbee
Gilbert, Mary Alice; A&S-1	Port Arthur	Grimer, Leroy Carl; Ag-4	Jasper
Gilcrease, Joyce R.; A&S-1	Houston	Grisby, Carl; A&S-4	Jefferson
Gilder, Audrey F. C.; A&S-1	Lufkin	Grismore, Dorothy Mae; NE-1	Dallas
Gilder, Maureen; A&S-2	Colmesneil	Groner, James H.; A&S-2	Wellington
Giles, Myrtle; HE-4	Texas City	Gross, Janice K.; A&S-1	Palestine
Gilford, Audrey Jean; A&S-2	Trinity	Grover, Earnest; A&S-3	Huntsville
Gilliam, Leola; A&S-4	Kilgore	Grover, Theodore E.; Engr-1T	Huntsville
Gillins, Dorothy; A&S-4	Dallas	Guice, Joyce E.; A&S-3	Navasota
Gillins, Herschel; A&S-4	Dallas	Guy, Annie Louise; Engr-1T	Galveston
Gillins, June E.; A&S-3	Dallas	Hadnot, Iva Jean; HE-2	Woodville
Gillum, Leroy; A&S-1	Dallas	Haley, Elizabeth F.; NE-1	Navasota
Gillum, Georgia; HE-3	Hempstead	Haley, Frances E.; A&S-1	Houston

Haley, Augustine; A&S-4	Houston	Hayden, Rosa; A&S-4	Dallas
Haley, Delores Faye; A&S-2	Hearne	Hayes, Alva C.; Engr-4	Big Sandy
Hall, Beedie Mozell; A&S-2	Navasota	Haynes, Berma Faye; A&S-3	Jewett
Hall, Billy Ross; A&S-3	Jacksonville	Haynes, Eva Maxine; A&S-1	Dallas
Hall, Burline	Ennis	Haynes, Ruby Lee; A&S-1	Houston
Hall, Burnis Lee; A&S-2	Navasota	Haynes, Stanley; Engr-2T	Edna
Hall, Calvin Boyd; A&S-1T	Malakoff	Haynes, Virginia L.; A&S-2	Texarkana
*Hall, Elroy; A&S-2	Slaton	Haywood, Charles C.; A&S-2	San Angelo
Hall, Ethredge; A&S-2	Wichita Falls	Haywood, Harry; A&S-4	San Angelo
Hall, Gladys Marie; A&S-1	Oakhurst	*Heard, Vance L.; A&S-3	Bloomington
Hall, Harold Maurice; A&S-4	Sugarland	Hebert, Norman; A&S-1	Port Arthur
Hall, Holmes; A&S-3	Hawkins	Higgins, Carver D.; A&S-2	Teague
Hall, Jeanne Myrl; A&S-2	Dallas	Hemphill, Emeola; A&S-1	San Antonio
Hall, Mary Hester; A&S-2	Bryan	Hemphill, Ruby Lee; A&S-2	Mexia
Hall, Robert Lewis; A&S-2	Waco	Henderson, Dollene E.;	
Hall, Mary Joseph; A&S-4	Dallas	A&S-2	San Antonio
Hall, Vashti; A&S-1	Malakoff	Henderson, Dorothy R.; HE-1	Lorena
Halliburton, Jimmie L.; A&S-1	Oakwood	Henderson, Eugene Ray; A&S-1	Marietta
Hamilton, Bobby Jean; A&S-1	Spur	Henderson, Ezra; A&S-4	Prairie View
Hamilton, Charles; A&S-1	Odessa	Henderson, Gladys M.; A&S-1	Terrell
Hamilton, Lena; HE-1	Texarkana	Henderson, Gloria M.;	
Hamilton, Solomon F.; A&S-2	Spring	A&S-2	Port Arthur
Hamilton, Sueretha; HE-4	Pittsburg	Henderson, Grace; A&S-4	Athens
Hamilton, Katherine; A&S-2	Waco	Henderson, Jean Marie; A&S-2	Hearne
Hamilton, Jessye; A&S-2	Pittsburg	Henderson, Johnnie; A&S-3	Houston
Hammond, Loris L.; Ag-1	Calvert	Henderson, Leon; Ag-3	Marshall
Hampton, Joe Willard; A&S-4	Tyler	Henderson, Magalene; NE-1	Fort Worth
Hampton, Mary Ozella; A&S-2	Bremond	Henderson, Martha; A&S-4	Itasca
Hancock, Chester; A&S-3	Mineola	Henderson, Sam Ella; A&S-2	San Antonio
Hancock, Gollie; A&S-4	Mineola	Henderson, Thomas; A&S-3	Kilgore
Hansford, Willie H.; A&S-1	Fort Worth	Henderson, Tommye; A&S-3	Smithville
Harden, Ephesian; Engr-1	Chireno	Henry, Billie; A&S-4	Texas City
*Harden, Nathaniel;		*Henry, Edgar; A&S-Grad	Prairie View
A&S-Grad	Prairie View	Henry, Louis, Jr.; A&S-2	Weimar
Harden, Norvel; HE-1	Chireno	Henry, Elaine L.; HE-2	Eagle Lake
Hardway, Pervis; A&S-1	Seguin	Henry, Joseph; A&S-4	Houston
Hardway, Thomas G.; Engr-1	Galveston	Henry, Ross Herbert; A&S-1	Weimar
Hardy, Be Etta; A&S-3	China	Henry, Ruth B.; A&S-Grad	Prairie View
Harkless, Germalean; HE-2	Cedar Lane	Henry, Thomas; A&S-3	Calvert
Harlan, Flonnie Mae; A&S-2	Dayton	*Henry, Tyree C.; Engr-1	Stoncham
Harmon, Linzel; A&S-3	Paris	*Henry, Willie Steve; Engr-2T	Hempstead
*Harmon, Marcellus		Henry, Wilson W.; Ag-1	Oakwood
A&S-Grad	Prairie View	Henson, Eurl; A&S-4	Houston
Harmon, M. F.; A&S-Grad	Prairie View	Henson, Verne Ruth; A&S-2	Overton
Hardwick, Doris Mae; A&S-1	San Antonio	*Herndon, Daniel N.; Ag-4	Prairie View
Hargo, Sylvester; Engr-1	Houston	Herod, Loyce Edna; A&S-1	Denton
Harnsberry, James H.; A&S-2	Bryan	Hervey, Christine F.; HE-1	Dallas
Harold, Cecil; A&S-4	Kilgore	Hicks, Henry C.; A&S-1	Carthage
Harper, Annie; A&S-3	Bremond	Hicks, Willie; A&S-4	Shreveport, La.
Harper, David; A&S-1	Beaumont	Hightower, Almeta; Engr-4	Beaumont
Harper, Doris Velma; A&S-4	Houston	Hightower, Ruby P.; A&S-4	Galveston
Harper, Emory, Jr.; Ag-1	Henderson	Hightower, Richard; A&S-4	Houston
Harris, Artena; A&S-Grad	Waco	Hill, Arthur; A&S-3	Galveston
Harris, Billie Jean; A&S-2	West Columbia	Hill, Edward Victor; Ag-1	Seguin
Harris, Cornelius A.; A&S-2	Galveston	Hill, Herman D.; Engr-1T	Dallas
Harris, Ethel A.; HE-2	Rosenberg	Hill, J. L., Jr.; A&S-2	Mt. Enterprise
Harris, John Paul; Ag-3	Jefferson	Hill, Joseph; A&S-3	Fort Worth
Harris, John R.; A&S-3	Gonzales	Hill, Marcy Jo; A&S-1	Fort Worth
Harris, Lillian; A&S-3	West Columbia	Hill, Nina Faye HE-2	Timpson
Harris, Loston; A&S-1	Port Arthur	Hill, Ofria; A&S-3	Naples
Harris, Minnie Lou; A&S-2	Gary	Hill, Prince Albert; Engr-1	Austin
Harris, Norma; A&S-4	Italy	Hill, Sam; A&S-2	Hankamer
Harris, Von Calvin; A&S-1	Dallas	Hill, Wynell; A&S-1	Beaumont
Harrison, Annie A.; A&S-2	Yard	Hines, Barbara; A&S-3	Corsicana
Harrison, Clarence; A&S-2	Beaumont	*Hinton, German B.; A&S-4	Bryan
Harrison, Eddie; A&S-3	Tyler	Hodge, Dee Delores; A&S-1	Terrell
Harrison, Elmer; A&S-3	Houston	Hodges, Martha W.; A&S-1	Coolidge
Harrison, Oliver W.; A&S-1	Beaumont	Hodge, Robert; Ag-3	Calvert
Harrison, Raphael A.; Engr-4	Tyler	Hodges, Willie B.; Engr-1T	Lodi
Harrison, Willie; A&S-1	Houston	Hodges, William; A&S-4	Houston
Hart, Myrna L.; A&S-1	Gilmer	Hodrick, Ollie V.; A&S-1	Caldwell
Hartfield, Erma; A&S-4	Lindale	Hodrick, Robbie; HE-Grad	Caldwell
Hartfield, Lee Arthur;		Hogg, Jim Ferguson; Ag-1	Laneville
Engr-2	Hughes Spring	Hogg, Ruby Lene; A&S-1	Reklaw
Hartley, Clementine; A&S-1	Houston	Holland, Ruth Ella; A&S-2	Dallas
Hartwell, Grace; A&S-1	Houston	Holley, Ezell Lamar; Ag-3	Naples
Harvey, Doris E.; A&S-2	Taylor	Holley, Thelma J.; A&S-1	Naples
Harvey, Dorothy; A&S-4	Fort Worth	Hollie, Johnnie Ruth; A&S-2	Dallas
Harvey, Julia Mae; A&S-2	Bellville	Hollins, John A.; A&S-2	Bossier City, La.
Harvey, Vina; A&S-3	Bellville	Hollins, Lee N.; Engr-Spec	Bryan
Hatcher, Bobbie Jean; A&S-4	Fairfield	Hollis, Ida Mae; HE-4	Silsbee
Hawley, Mary Ann; HE-2	Gladewater	Hollins, Nedra Ann	Pineland

Holloway, Alaphay L.; A&S-3	Normangee	Jackson, Lela Mae; A&S-1	Denton
Holloway, Alma; HE-4	Houston	Jackson, Pearl Jean; A&S-1	Plano
Holloway, Cleotis B.; A&S-4	Prairie View	Jackson, Pheebia HE-1	Marietta
Holloway, Effie; A&S-3	Beaumont	Jackson, Robert F.; Engr-1	McKinney
Holman, Marvis Jeanne; A&S-2	Houston	*Jackson, Roy H.; A&S-3	Beaumont
Holmes, Betty; A&S-3	Lubbock	Jackson, Wardell Stan; A&S-1	Tyler
Holmes, Beulah; HE-4	Kerens	Jackson, Willie B.; A&S-3	Rosanky
Holmes, Ruby; A&S-3	Bartlett	*Jackson, Willie; Engr-4	Waco
Holmes, Willie G.; Engr-1	Plano	Jackson, Wilma J.; A&S-3	Bay City
Holt, Ramond Lester; Engr-1	Kilgore	James, Annie; A&S-3	Waelder
Hooks, Carolyn; HE-4	Hooks	James, Audria E.; A&S-1	Houston
Hooks, Wilma Ruth; A&S-2	Hooks	James, Dorothy Mae; HE-1	Waelder
Hooper, Margie Len; HE-3	Timpson	James, Juanita; A&S-2	Woodville
Hopkins, Elgar; A&S-1	Centerville	James, John Alfred; A&S-2	Dallas
Hopkins, George Henry; A&S-1	Beeville	James, Joy Faye; A&S-1	Marshall
Hopkins, Gloria Jean; A&S-2	Dallas	James, Lois H.; A&S-4	Kennard
Hopkins, John A.; Ag-4	Centerville	James, Minnie B.; A&S-3	Houston
Hopkins, Temple; A&S-2	Kaufman	James, Sylvester B.; Ag-1	Daingerfield
Houston, Berneice; HE-3	Riverside	Jameson, Prudie; A&S-2	Brenham
*Houston, Clemith; A&S-4	Bay City	Jarmon, Elwin; Ag-3	Schulenburg
Houston, Joe Edd; A&S-1	Crockett	*Jarmon, Ferdinand D.; Engr-4	LaGrange
Houston, John E.; Engr-2	Austin	Jarmon, Novella M.; A&S-1	LaGrange
Houston, John Russell; A&S-1	Woodlake	Jarmon, Ruben C.; Engr-1	Waelder
Houston, Pearl; A&S-4	Tyler	*Jeff, Reuben H.; Engr-2T	Hearne
Howard, Billy Gene; A&S-2	Waco	Jeffers, Mary Delois; HE-3	Huntsville
Howard, Charlie Mae; A&S-1	Dallas	Jefferson, Annie E.; A&S-2	Camden
Howard, Devenia; A&S-2	Pittsburg, Pa.	Jefferson, Barbara; A&S-1	Spring
Howard, George; A&S-3	Galveston	Jefferson, Calvin A.; Ag-2	Calvert
*Howard, Herbert L.; Ag-1	Prairie View	Jefferson, Evelyn; A&S-Grad	Dallas
Howard, Louis H.; Ag-4	Conroe	Jefferson, Geraldine; A&S-2	Dallas
Hoxie, Fred C.; Engr-1	Houston	Jefferson, Martha I.; A&S-1	Waco
Hubbard, Aubrey G.; HE-1	Malakoff	Jeffries, Lillian M.; A&S-2	Dallas
Hubbard, Gladys; A&S-2	Hooks	Jenkins, Jimmie; A&S-3	Overton
Hubbard, Joe Doris; HE-1	Hooks	Jenkins, Marvin; A&S-1	Orange
Hubbard, John Oliver; Ag-2	Humble	Jennings, Doris Fay; Engr-1T	Hearne
Hubbard, Mozerine; HE-2	Groveton	Jennings, Doris Ray; Engr-1T	Hearne
Hubbard, Vivian E.; HE-4	Hooks	Jennings, Maltonia; A&S-2	Houston
Hubert, Vera Lee; A&S-2	Camden	Jernigan, Bruce M.; A&S-1	Ennis
Hudson, Cecil; A&S-1	EIPaso	Jernigan, Claudy; A&S-1	Tatum
Hudson, Elgie; A&S-1	San Angelo	Jernigan, Doris Opal; A&S-4	Tatum
Hudson, Harold E.; A&S-3	Carthage	Jernigan, Jesse M.; Engr-2T	Tatum
Hudson, Ray Floyd; A&S-1	San Angelo	Jiles, Wanda Marie; A&S-1	Troup
Hudson, Roy Floyd; A&S-1	San Angelo	Johnican, Earnell; NE-1	Houston
Hudson, Willis A.; A&S-4	Carthage	Jones, Clarence; A&S-1	Tyler
Hughey, Canary; A&S-4	Texarkana	Johns, Jack Alvin; A&S-2	San Marcos
Hughley, Doris; A&S-Grad	Point Blank	Johnson, Alvin; Ag-3	Houston
Humphrey, Alcephus; Ag 1	Paris	Johnson, Bertha; HE-3	Houston
Humphrey, Melvin; Ag-1	Brookshire	Johnson, Billie Jean; NE-1	Terrell
Humphrey, Vivian; A&S-Grad	Coleman	Johnson, Bobby Jean; A&S-1	Paris
Hunt, Maureen; HE-2	Palestine	Johnson, Bunyan; A&S-4	Mexia
Hunt, Orevia; A&S-4	Oakwood	Johnson, Camie; A&S-1	Dallas
Hunt, Robert Lacaster; A&S-1	Arkansas	Johnson, Charles E.; Engr-2	Mexia
Hunter, Donald L.; A&S-2	Cameron	Johnson, Charles Ruby; A&S-4	Cameron
Hunter, Geneva Doris; NE-1	Houston	Johnson, Clifford J.; Engr-2	San Antonio
Hunter, Jewell F.; A&S-4	San Antonio	*Johnson, Cleophus M.; A&S-4	Cuney
Hunter, Myrtle Lee; A&S-1	Palestine	Johnson, Clyde C.; A&S-1	Fort Worth
Hurd, Arlean Marie; HE-2	Beasley	Johnson, Consuella; HE-4	Galveston
Hutcherson, Hilda Sue; A&S-1	Dallas	*Johnson, Daniel L.; A&S-4	Denton
Hutchins, Pearl Mae; A&S-2	Kilgore	Johnson, Dinah Lenora; A&S-2	Hallsville
Hutchins, Willie; A&S-3	Longview	Johnson, Doris Lee; A&S-1	Houston
Hutchinal, Earnell; NE-1	Wharton	Johnson, Earl Thomas; A&S-1	San Angelo
Hynes, Harold; A&S-4	Forney	Johnson, Edward S.; A&S-1	Beaumont
Hyson, Marguerite; A&S-2	Jewett	Johnson, Elvie; A&S-4	Tyler
Ingram, Cleopatra; A&S-2	Gary	Johnson, Esther O.;	
Ingram, Lenora N.; NE-1	Palestine	A&S-Spec	Hattiesburg, Mississippi
Ingram, Mary L.; A&S-2	Tyler	Johnson, Florence M.; Engr-3	Brazoria
Issac, Climmie Faye; A&S-2	Winchester	Johnson, Frederick; A&S-1	Teague
*Jackson, Adolphe, J. r.;		Johnson, George W.; A&S-3	Cameron
Ag-Grad	San Antonio	Johnson, Gloria Rai; A&S-3	Dallas
Jackson, Clarence A.; A&S-4	Beaumont	Johnson, Gloria Y.; A&S-1	Pittsburg
Jackson, Cynthia; A&S-3	Bryan	Johnson, Grace; A&S-1	Beaumont
Jackson, Donald Ray; A&S-2	Bay City	Johnson, Isaac David; Ag-2	Jefferson
Jackson, Doris Jean; A&S-1	Tyler	Johnson, Isaiah; A&S-1	Malakoff
Jackson, Dorothy A.; A&S-1	Linden	Johnson, Jackie J. W.; A&S-3	San Antonio
Jackson, Earl Charles; Engr-1	Baytown	Johnson, Jake B.; Ag-2	Crockett
Jackson, Gladys Fay; Engr-2T	Livingston	Johnson, James E.; A&S-3	Longview
Jackson, Gladys J.;		Johnson, Jeorlene; A&S-1	Gause
A&S-3	Hobbs, New Mexico	Johnson, Jessie F.; A&S-4	Terrell
Jackson, Hattie Velma; A&S-1	Lufkin	Johnson, Jessie M.; A&S-4	Jefferson
Jackson, Hazel Lee; A&S-1	Schulenburg	*Johnson, L. A.; Ag-4	Cuney
Jackson, Jewell G.; A&S-2	Hempstead	Johnson, Leola Van; A&S-1	Egypt
Jackson, Jimmie L.; A&S-2	Wayahachie	Johnson, Leonard J.; A&S-2	Gray
Jackson, Joyce Evelyn; A&S-1	Bay City		

Johnson, Louis E.; A&S-4	Austin	Kelly, Fritz; A&S-1	New Waverly
Johnson, Lucille; A&S-4	Kilgore	*Kelly, George E.; Engr-3	Hillsboro
Johnson, Marion; A&S-1	Chilton	Kelly, Orsatti; A&S-1	Galveston
Johnson, Maude Marie; A&S-2	Gause	Kemp, Myrtis L.; NE-3	Somerville
Johnson, May Pearl; A&S-1	Ft. Worth	Kemp, Valasta; HE-4	Somerville
Johnson, Myrtle F.; A&S-2	Temple	Kenard, Mable; A&S-2	Beaumont
Johnson, Nathaniel; Ag-3	Queen City	Kendrick, Dorothy N.;	
Johnson, Norma Lee; A&S-2	Beaumont	A&S-1	Sulphur Springs
Johnson, Opal G.; A&S-2	Corrigan	Kennedy, Marvin; Ag-4	Ben Wheeler
Johnson, Oscar Lee; A&S-1	Omaha	Kennedy, Minnie; A&S-2	Ben Wheeler
Johnson, Rhuzell; HE-2	Avinger	Kennedy, Nathaniel H.; Ag-4	Ben Wheeler
Johnson, Robbie L.;		Kidd, Helena; HE-4	Nacogdoches
A&S-Spec	Prairie View	Kimble, Ernest; A&S-2	Prairie View
Johnson, Robert Leon; Ag-1	Seguin	Kimble, Ruby Lee; A&S-1	Denton
Johnson, Rosie Marie; A&S-2	Marietta	Kimble, Westerfield;	
Johnson, Thelma Lee; Engr-2T	Coleman	A&S-Grad	Stafford
Johnson, Velma Marie; A&S-1	Glenflora	Kincaide, Frank Allen; A&S-2	Troup
Johnson, Vernice; A&S-4	Belton	King, Annie Lois; A&S-2	Tenaha
Johnson, Walter Charles; A&S-1	Ft. Worth	King, Beasley Robert; A&S-2	Crockett
Johnson, Walter E.; A&S-3	Dallas	King, Carolynne J.; A&S-1	Bryan
Johnson, Walter F.; A&S-3	San Angelo	King, Curtis Leon; A&S-1	Alice
*Johnson, William; A&S-2	Lubbock	King, Harold Ray; A&S-Grad	Austin
Johnson, William; A&S-2	Dallas	King, Melvin; Engr-4	Bloomington
Johnson, Willie, Engr-3	Teague	King, Ora Lee; A&S-1	Beaumont
Joiner, Charlie H.; Ag-4	Rice	King, Ruberta; A&S-4	New Gulf
Jones, Arthur Allen; A&S-1	Nacogdoches	King, Thurman; A&S-1	Dallas
Jones, Carmentia; A&S-2	Longview	King, Vivian Vanilla; A&S-2	Dallas
Jones, Clairen C.; NE-1	Eagle Lake	King, William, Jr.; Ag-3	New Gulf
Jones, Clara; HE-4	Overton	Knight, Audrey	
Jones, Clarence; A&S-2	Tyler	Knight, Wanda; A&S-4	Paris
Jones, Charles Delores; A&S-2	Bryan	Knight, Thelma; A&S-1	Port Arthur
Jones, Charlie Joe; Engr-2T	Bryan	Knighon, Dorothy Mae; NE-1	Newton
*Jones, Claude D.; Ag-1	Tyler	Koontz, Katherine J.; A&S-4	Houston
Jones, Clyde; Ag-4	Tyler	Kyle, Joe; A&S-4	West Columbia
Jones, Edward Charles; Engr-1	Houston	Lacy, Erma Jean; A&S-2	Waskom
Jones, Ellevia Lee; A&S-4	San Antonio	LaDay, Zannazine; NE-1	Galveston
Jones, Eloise Marie; A&S-1	Fort Worth	Lambert, Mary Ella; A&S-1	Waco
Jones, Earlie C.; A&S-2	Columbus	Lampkin, Dorothis Fay;	
Jones, Ernest E.; A&S-2	Bryan	A&S-3	Jacksonville
Jones, Ethyl Lillian; A&S-1	Bryan	Lampkin, George; Ag-4	Seguin
Jones, Florence R.; NE-1	Denison	*Landers, Bennie, Jr.; A&S-4	Dallas
Jones, Harvey; Ag-4	Longview	Lane, Hazel Lee; A&S-1	Beaumont
Jones, Helen E.; A&S-1	Houston	Langley, Melvin; A&S-2	Malakoff
Jones, Henry Ercell; Engr-1T	Midland	Langston, Julius; Ag-3	Corsicana
Jones, Jesse Clarence; A&S-1	Orange	Langston, Lucille; A&S-1	Silsbee
Jones, Jo Ann; A&S-3	Mt. Pleasant	Langum, Jewel Ann; A&S-1	Mt. Belview
*Jones, John C.; A&S-4	San Augustine	Larkin, Paula; A&S-3	Dallas
Jones, Kay Frances; A&S-2	Dallas	Larkin, William; A&S-1	Dallas
Jones, Lizzie; A&S-3	Longview	Laster, Viola; A&S-3	Fort Worth
Jones, Oressia T.; A&S-3	Oakwood	Lathan, Ella L.; A&S-3	Nacogdoches
Jones, Otis; Engr-4	Overton	Latimer, Bonnie Jean; HE-2	Bagwell
Jones, Pauline; HE-3	Midway	Lavert, Lodean; HE-3	Texarkana
Jones, Pearly; A&S-1	Camden	Law, Gladys Bernice; HE-1	Cedar Lane
*Jones, Robert; A&S-2	Long Branch	Law, James Ben; Ag-1	Jefferson
Jones, Roland, Jr.; A&S-1	Dickenson	Law, Mary Delores; HE-1	Bay City
Jones, Roosevelt; A&S-4	Hawkins	*Lawrence, Billy; Engr-3	Sherman
Jones, Roosevelt; A&S-4	Ft. Worth	Lawrence, E. J.; A&S-3	Richards
Jones, Ruby Nell; A&S-1	Clarksville	Lawson, Edward L.; A&S-1	Houston
Jones, Rubye; HE-4	Bryan	Lawson, Fannie Lee; A&S-3	Lubbock
Jones, Sammie; Engr-3	Conroe	*Lawson, James N.; A&S-3	Omaha
Jones, Sherry A.; A&S-1	Overton	Lawson, Jimmie; HE-4	Montgomery
Jones, Tommie Naomi; A&S-4	Dallas	Leadon, Vivian A.; A&S-1	Mt. Enterprise
Jones, Willie Faye; HE-3	Kerens	LeBlanc, Lillian; A&S-2	Beaumont
Jones, Willie Vivian; A&S-1	Dallas	Lee, Joseph R.; A&S-4	Beaumont
*Jordon, Alphonso M.; Engr-3	Ft. Worth	Lee, Valmarie Colley; A&S-1	Prairie View
Jordan, Bettye Ruth; A&S-2	Houston	Leffall, Norma C.; A&S-2	Marshall
Jordan, Cleophus D.; A&S-2	Houston	Legginton, Juanita; A&S-3	Silsbee
Jordan, Lois E.; A&S-4	Houston	Lemons, Cassie Mae; A&S-1	Bay City
Jordan, Rose Mary; A&S-3	Houston	Lemons, Sarah; A&S-4	Galveston
Joseph, Edna; A&S-3	Beaumont	*Leonard, Carl W.; Engr-4	Smithville
Joyce, George; A&S-1	Carthage	Leonard, Joe Edd; Ag-1	Crockett
Joyce, Stella Maxine; A&S-2	Liberty	LeRoy, Erma D.; HE-Grad	Houston
Justice, Evelyn Jean; A&S-1	Houston	Lester, Viola M.; A&S-3	Fort Worth
Justice, Ivory; A&S-4	Fort Worth	Levy, Roy B.; Engr-1T	Port Arthur
Kahn, Evelyn Byrd; HE-1	Longview	Lewis, Alfreda; A&S-1	Beaumont
Kaufman, Laurice; A&S-4	Houston	Lewis, Barbara Jean; A&S-2	San Antonio
Kearney, Estella I.; A&S-2	Galveston	Lewis, Ben; Ag-2	Naples
Keaton, Harold Lee; A&S-1	Dallas	Lewis, Booker T.; A&S-1	Sulpur Springs
Keller, Julia B.; A&S-Grad	Ft. Worth	Lewis, Clever; Ag-3	Clarksville
Kelley, Etta Merl; A&S-3	Kerens	Lewis, Cleveland; A&S-2	Clarksville
Kelley, Andrew; A&S-4	Galveston	Lewis, Claudean; A&S-2	Wiergate
Kelly, Frances June; A&S-1	Rosser		

Lewis, Edna; A&S-3	Bay City	McKnight, James E.; A&S-Grad	Denison
Lewis, Ernest E.; A&S-1	Fort Worth	McClellan, Freddie D.; Engr-2	Waco
Lewis, Ernest Sterling; A&S-1	Ft. Worth	McMillan, Vivian L.;	
Lewis, Horace A.; A&S-1	Anahuac	A&S-Spec	Prairie View
Lewis, Hubert Lee; A&S-4	Rosebud	McNeary, Fuller; A&S-4	Pittsburg
Lewis, Ida Mae; HE-4	Anahuac	McNeal, Ora Lee; A&S-4	Rosenburg
Lewis, Jewell L.; A&S-3	San Antonio	McNeil, Hester L. J.; HE-4	Needville
Lewis, John Ella; A&S-4	Wiergate	McNeil, Joyce L.; A&S-2	Denison
Lewis, Juanita; A&S-4	Katy	McNeil, Marcellus B.; A&S-2	Waco
Lewis, Lois Wayne; NE-1	Dallas	McPherson, Annie M.; Engr-1T	Gonzales
Lewis, Mamie Etta; A&S-3	Beaumont	McQueen, Elcena; A&S-4	Camden
Lewis, March Mae; A&S-3	Fort Worth	McQueen, Hollis; A&S-1	Hillsboro
Lewis, Mattie Ree; HE-1	Dallas	Mabry, Imogene; A&S-1	Quitman
Lewis, Nettie M.; A&S-Grad	Prairie View	*Mack, Emanuel; Engr-4	Linden
*Lewis, Richard; A&S-4	Cameron	Madison, Eugene; A&S-3	Parsons, Kansas
Lewis, Sammie Ruth; A&S-2	Houston	Malone, Bobby Clyde; A&S-2	Oakwood
Lewis, Velma Ray; A&S-1	Garrison	Malone, Helen; A&S-3	Huntington
Lewis, Zelta; A&S-3	Chapel Hill	Malone, Mildred; HE-4	Sour Lake
Lezine, Henry H.; Ag-2	Pineland	Malone, Rubye Lee; HE-4	Pittsburg
Lilly, Esther Ruth; A&S-3	Gray	Malone, Ruth Sylvia; HE-3	Calvert
Lilly, Dwight; Ag-3	Bay City	Malone, Verda Mae; A&S-1	Huntington
Lipcomb, Marjorie M.; HE-2	Brownwood	Malvern, James A.; A&S-3	Denison
Lisk, Nellie Vaughn; A&S-2	Dallas	Mangram, Abe Wesley; A&S-2	El Paso
Littleton, Betty Jean; NE-1	Dallas	Mangram, Archie; A&S-4	Dallas
Littleton, Sarah V.; A&S-3	Dallas	Mangram, Lillian G.; HE-4	Pittsburg
Livingston, Charles E.; A&S-1	Dallas	Mann, Fred Douglas, Ag-4	Austin
Lockhart, Johnnie Mae; A&S-1	Caldwell	Mann, Hazel	
Lockwood, Helen T.; A&S-1	Port Arthur	Mann, Horace Lee; Ag-1	Weimar
Loeb, Doris; A&S-4	Port Arthur	Manning, Barbara A. J.; A&S-3	San Angelo
Lollie, Claude; Engr-4	Overton	Manning, Lee Cradia; HE-2	Navasota
Long, Robert; Ag-3	Camden	Manor, Cleavon N.; NE-3	Longview
Lott, Ruby Lee; A&S-3	Corpus Christi	Manor, Garnett; A&S-2	Tulsa, Okla.
Loud, Henry E.; A&S-4	Dallas	Manor, Glyn; A&S-2	Tulsa, Okla.
Love, Arizona D.; A&S-1	Linden	Mapps, Amy Lee; Ag-2	Elgin
Love, Doris J.; HE-4	Fort Worth	Marable, Dorothy; A&S-3	Ore City
Love, James A.; A&S-1	Sweeney	Mark, Mildred D.; A&S-1	Lufkin
Love, Mary Francis; A&S-1	Linden	Marsh, Tommy E.; HE-1	Stamford
Lovick, Mae Francis; A&S-1	Houston	Marshall, Albert; A&S-3	Ennis
Lowe, Myrtle Louise; A&S-3	Dallas	Marshall, Emma Lee; A&S-1	Ennis
Loyd, Oberther L.; Engr-1T	Kilgore	Marshall, Herbert; A&S-1	Wichita Falls
Lucas, James Earl; Ag-4	Longview	Marshall, Ira Jean; A&S-2	Ennis
Luster, Lewis Leon; A&S-1	McKinney	Marshall, Lettie; A&S-2	Chester
Lynch, Vertee Yvonne; A&S-1	Dallas	Martin, Betty Lou; A&S-1	Dallas
McAfee, Magdalene G.; HE-4	Brenham	Martin, Dorothy L.; HE-3	Luling
McAlpin, Iris Annette; A&S-2	Dallas	Martin, Elsa HE-3	Clarksville
McBride, Richard; A&S-3	Conroe	Martin, Elvie; A&S-1	Tyler
McCann, Angie Lee; HE-1	Egypt	Martin, Ethel; A&S-3	Clarksville
McClain, Billie; A&S-3	Nacogdoches	Martin, Gid Arthur; A&S-2	Nacogdoches
McClendon, Alexander; A&S-1	Troup	Martin, Howard Ray; A&S-4	Nacogdoches
McCloud, Alice Maud; A&S-1	Troup	*Martin, L. W.; Eng-Spec	Prairie View
McCloud, Dolores; A&S-3	Dallas	Martin, Louise	
McCowan, Ira Lee; A&S-2	Dallas	Martin, Leola; A&S-3	Linden
McCoy, Charlie D.; Ag-3	Giddings	Martin, Freddie Mary; A&S-3	Bryan
McClellan, Charles; Engr-3	Ft. Worth	Martin, Marina Willie;	
McClinton, Marion; A&S-1	Kingsbury	A&S-1	Oaklahoma City, Oklahoma
McCullough, Sammie; A&S-3	Galveston	Martin, Welton; A&S-1	Ammona
McCullough, William; A&S-2	Fort Worth	Martin, Sylvetine; A&S-4	Linden
McCray, Julia; A&S-4	Chapel Hill	Mask, John Willis; Ag-2	Dallas
McDade, Narcissie; A&S-1	Bellville	Mason, George W.; A&S-Grad	Houston
McDaniel, Jake Edward; A&S-1	Galveston	Mass, Fannie W.; A&S-2	Crockett
McDavid, Jesse; Ag-4	Overton	Massey, Delaura June; A&S-2	Dallas
McDonald, Alma; HE-4	Silsbee	Massey, Ira Clark; Ag-3	Athens
*McDonald, Clinton C.; Ag-3	Dallas	*Matherson, Arthur, Jr.; A&S-4	Beaumont
McDonald, Jessie Lee; HE-1	Silsbee	Mathis, Charles; Engr-3	Dallas
McDonald, Morris; A&S-3	Houston	Matthews, Faye Ella; A&S-2	Bay City
McDonald, Thaddeus A.; Ag-1	Cedar Creek	Matthews, Frances M.; A&S-2	Dickerson
McDowell, Vernice; HE-2	Lincoln	Matthews, J. B. A&S-1	Granger
McDuffy, Blanchie; HE-2	Shepherd	Matthews, James W.; Engr-2	El Paso
McDuffy, Irene; HE-2	Shepherd	Mattox, Ira Gene; A&S-2	Wiergate
McFadden, Geraldine; A&S-4	Houston	Maxey, Johnnie Ruth; A&S-2	Longview
*McFarland, Clarence R.; A&S-3	Mineola	Maxie, Hortense M.; A&S-4	Eagle Lake
McGill, Benjamin; A&S-3	San Antonio	Mays, James Earl; A&S-1	Elkhart
McGlaston, Bobbie Jo; A&S-1	Marlin	Mays, Johnnie, Jr.; Ag-4	Houston
McGlothen, Johnnie; A&S-4	Trinity	Mays, Edna Marie; A&S-2	Mexia
McGough, Billie; A&S-3	Trinity	Mays, Helen Ruth; HE-4	Mexia
McGowan, Joyce; A&S-3	Houston	Mayse, Vinia Mae; A&S-3	Temple
McGowan, Mary; HE-4	Nacogdoches	Meade, Pearl; A&S-3	Dallas
*McGrew, Aquila; Engr-3	Columbus	Meador, George; Ag-3	Beville
McIvreen, Frederick; A&S-1	Teague	Means, Joyce Verita; A&S-2	Mexia
McIntosh, John Clark; A&S-4	Hempstead	Medlock, Willie Mae; A&S-1	Dallas
McKinney, Dorothy L.; NE-1	Longview	Melonson, Allen F.; Engr-3	Liberty
McKnight, Gloria E.; A&S-2	Denison	Melontree, Mildred L.; HE-2	Marlin

Melton, Mary Theresa; A&S-Grad	Beasley
Melton, Homerzelle; A&S-4	Houston
Melton, Henry; Ag-4	Beasley
Menter, Irene Hugh; A&S-2	Dallas
Mergerson, L'Rita; NE-1	Quannah
Merritt, Clarence L.; A&S-1	McKinney
Mesback, Betty; A&S-4	Dallas
Mesback, LaNelle; A&S-3	Temple
Mickle, Mattie L.; A&S-2	Navasota
Mikle, Earline; A&S-4	Houston
*Miles, Jimmie Fred; A&S-Grad	Galveston
Miles, Robert Gene; A&S-2	Hearne
Miles, Roosevelt; A&S-3	Houston
Miles, Thelma; A&S-3	Hearne
Miller, Audrey Mae; HE-2	Malakoff
Miller, Billy Gean; Engr-3	Dallas
Miller, Dora Lee; A&S-4	Bryan
Miller, Elise W.; HE-1	Vernon
Miller, James E.; A&S-1	McGregor
Miller, Jesse E.; A&S-1	San Antonio
Milligan, Arthur; A&S-4	Beaumont
Mills, Emma; A&S-4	Houston
Mills, Essie; HE-4	Ft. Worth
*Mills, Lionel; A&S-3	Brenham
*Mills, Milbern; Engr-4	Brenham
Mills, Willie Lee; A&S-3	Baytown
Milstead, Anna; HE-1	Port Arthur
Milus, Modene; A&S-3	Lubbock
Mines, Isiah Homer; Ag-4	Commerce
Mitchell, Arrie; HE-4	Liberty
Mitchell, Evelyn E.; HE-1	Thornton
Mitchell, James E.; Ag-4	Dallas
Mitchell, Ruthie Lee; A&S-2	Beaumont
Mitchell, Theodis; Engr-1T	Joaquin
Mitchell, Walter S.; Engr-4	Matador
Mitchell, Waylon R.; Engr-1	Matador
Mitchell, Walter; Engr-4	Matador
Mitchell, William; Ag-4	Tyler
Modester, Willie; HE-4	Fort Worth
Moffett, Barbara A.; A&S-2	Farmersville
Molo, Elmyra Irean; A&S-1	Corrigan
Monroe, Fred Raymond; A&S-2	Midland
Montgomery, Alma; A&S-3	Tatum
Montgomery, Arthur M.; Ag-1	Gilmer
Mooney, Marguerite E.; A&S-4	San Antonio
Moore, Drucilla; A&S-4	Lyons
*Moore, Henry L.; A&S-4	Teague
Moore, Jeanette; Engr-1	Beaumont
*Moore, Lawrence S.; A&S-3	Rosenberg
Moore, Leo; A&S-3	Atlanta
Moore, Maxine V.; A&S-2	Conroe
Moore, Nathaniel; A&S-4	Rockdale
*Moore, Ulysses; Ag-Grad	Texarkana
*Moore, Willie H.; Engr-4T	Longview
Mooring, Client; Ag-2	Roans Prairie
Mooreland, Rastus; Ag-3	Jacksonville
Morgan, Alma; A&S-4	Bremond
Morgan, Dorothy Jean; A&S-2	Coolidge
Morgan, Janice B.; A&S-Grad	Dallas
Morgan, Lois E.; A&S-2	Brownwood
Morgan, Norris D.; A&S-3	Dallas
Morris, Arvis M.; A&S-2	Houston
Morris, Bobbie; A&S-4	Liberty
*Morris, Durwood; Ag-4	Sulphur Springs
Morris, Josie M.; A&S-Grad	Cuero
Morris, Otis; A&S-3	Houston
*Morrison, George; Ag-3	Alto
Morrison, S. M.; A&S-3	Mexia
Morrow, Billie Lue; A&S-2	San Angelo
Morrow, Bobbie Sue; A&S-2	San Angelo
Morton, Gwendolyn D.; A&S-2	Oakwood
*Moses, William A.; A&S-2	Odessa
*Moye, Oscar L.; Ag-4	Woodville
*Moye, Willie Louis; A&S-2	Woodville
Muckleroy, Berry Ann; A&S-2	Texarkana
Muckleroy, Dorothy; A&S-3	Hempstead
Mucker, Joe Horace; A&S-1	Waco
Muckleroy, Roy; Engr-3	Kilgore
Munson, Gertha T.; A&S-Spec	Marlin
Murphy, Alzada; A&S-2	Galveston
Murphy, Charles E.; A&S-1	Bryan
Murphy, Jimmie Lee; NE-1	Plano
Murry, Lois; A&S-3	Dayton
Myles, Doris Elaine; A&S-2	Longview
Myles, Elizabeth M.; HE-4	Orange
*Myles, Willie Don; A&S-3	Shreveport, Louisiana
Nash, Arquilla Marie; A&S-2	Dallas
Nash, Clarecia; A&S-3	Dallas
Nash, Doris; A&S-3	Elgin
Nash, Johnnie Lee; Engr-2	Borger
Nathan, Earle Bernice; A&S-4	Brenham
Neal, Corene; A&S-2	Beasley
*Neal, Robert B.; Engr-4	Longview
Nealy, Leon, Jr.; A&S-2	Houston
Nelson, Berry H.; A&S-4	Weimar
Nelson, Davy Jean; NE-2	Belton
Nelson, Donnie Ray; Engr-1	Henderson
Nelson, Florence; A&S-2	Amarillo
Nelson, George, Jr.; Ag-2	New Boston
Nelson, Leon R.; Engr-1	Ore City
Nelson, Rosie Lee; A&S-1	Silsbee
*Nelson, Thomas; A&S-4	Palestine
Nettles, Arthur; A&S-3	Houston
Newman, Earline H.; A&S-1	Port Arthur
*Newsome, Benjamin; Engr-3	Brenham
Newsome, Corine E.; A&S-1	Chapel Hill
*Newsome, Harding; Ag-Grad	Queen City
Newton, James W.; A&S-1	Clarksville
Nicholson, Jaunita; A&S-4	Port Arthur
Nicholson, Mary R.; A&S-2	Omaha
Nickens, Claudette C.; HE-1	Huntsville
Nickerson, Evelyn; A&S-1	Childress
Noble, Hazel Davis; A&S-1	Cleveland
Nolan, Ollie Alfred; A&S-1	Houston
Norman; Austin; A&S-3	Galveston
Norris, Ernest M.; Ag-1	Prairie View
Norris, Gloria; A&S-3	Fairfield
Norris, Wilma Jean; A&S-1	Wichita Falls
Norsworthy, Betty J.; A&S-2	Austin
Nowlin, William; A&S-2	Dallas
Nunn, Willie B.; A&S-1	San Angelo
Odum, Bennie Mae; A&S-2	Dallas
Odoms, Gloria R.; A&S-1	Galveston
Oliver, Barbara J.; A&S-1	Midland
Oneal, Mildred Ruth; NE-1	Brasoria
Oneil, Dorothy; A&S-4	Houston
Oneil, Essie; A&S-3	Lubbock
Orr, Clyde Hugh; A&S-3	Van Alstyne
Orum, Blossom Mae; A&S-1	Groesbeck
*Orum, Eddie; Ag-3	Groesbeck
Owens, Billy Joyce; A&S-4	Gilmer
Owens, Clarence O.; A&S-1	Gilmer
Owens, Earlene; HE-4	Texarkana
Owens, Fannie Mae; A&S-4	Oakwood
Owens, Maurice; Ag-4	Waller
*Owens, Samuel L.; Engr-2	Smithville
Pace, Millie Lee; A&S-Grad	Bryan
Pace, Millie Lucille; A&S-1	Bryan
Paige, Lonnie Bell; A&S-2	Longview
Palmer, Hattie; A&S-4	Huntsville
Palmer, Mauvelyene; A&S-3	Tyler
Palmer, Willie; A&S-4	Jamestown
Paris, Eddie; A&S-3	Montalba
Parish, Ruby Lee; A&S-1	Dallas
Parker, Dorothy L.; A&S-1	Ft. Worth
Parker, Earnest Jean; A&S-2	Bivins
Parker, Estine; A&S-2	Burleson
Parker, Julius; A&S-1	New Braunfels
Parker, Yvonne B.; A&S-1	Quitman
Parks, Jack Bannister; Engr-1T	Sweeney
Parks, Pearl; A&S-3	Lufkin
Patch, Bobbie Jean; A&S-Spec	Dallas
Patrick, Floyd; Engr-3	Waxahachie
Patrick, Joseph D.; A&S-1	Galveston
Patrick, Sterling; A&S-4	Galveston
*Patrick, William; Engr-1	Palestine
Paul, Elogia; A&S-3	Dayton
Payne, James A&S-4	Bastrop
Payce, Vernon E.; A&S-1	Dallas
Pearson, Gladys L.; A&S-2	Mexia
Peavy, Freddie; A&S-4	Houston
Pelton, George A.; Engr-1	Teague

Penelton, Alberta; A&S-4 Dallas
 Pennington, Francis M.; A&S-2 Lamesa
 Penrice, Robert; Ag-1 Brookshire
 Percy, Mary Elizabeth; HE-1 San Antonio
 Perkins, Albert; Ag-3 Linden
 Perkins, Horce; A&S-3 El Campo
 Perry, John; Ag-4 New Boston
 Perry, John Howard; A&S-2 McKinney
 *Peterson, Alandrus; A&S-4 Bryan
 *Peterson, Sam; A&S-4 Bay City
 Peterson, Charles M. S.; HE-4 Bryan
 *Pettit, Homer; A&S-4 Kendleton
 Pettit, Cleveland R.; A&S-4 Kendleton
 Petty, James E.; A&S-3 Cameron
 Petty, Johnnie Bertha; HE-3 Bryan
 Petty, Prunella; A&S-3 Bryan
 Petty, William C.; A&S-1 Cameron
 Phelps, Jessie; A&S-3 Houston
 Phelps, Leola; A&S-1 Prairie View
 Pfifer, Alva, Jr.; A&S-2 Dallas
 Phillip, Jimmie L.; A&S-1 Prairie View
 Phillips, Annie; A&S-4 Teague
 Phillips, Jeri; A&S-4 Karnes City
 Phillips, Merkle Lee; HE-1 Beaumont
 Phillips, Nathaniel; Ag-3 Neches
 Phillips, Thommye; HE-4 Cuero
 *Pickard, John Lessely; A&S-1 El Paso
 Pickard, Marcus L.; Ag-1 Austin
 Pickens, McKinley; A&S- Houston
 Pierre, Dallas; A&S-1 Port Arthur
 Pierre, Loretta; NE-1 Port Arthur
 Pigford, Millard C.; A&S-Grad Mexia
 Pinkard, Jamsie Ruth; A&S-2 Groesbeck
 Pipkin, Lionel W.; A&S-1 Beaumont
 Pipkin, Lorenzo; A&S-2 Beaumont
 Pittman, Reddie Mae; NE-1 Cameron
 Pitts, Geraldine; A&S-1 Seguin
 Polk, Henry; A&S-4 Crockett
 Polk, J. D.; Engr-1T Midland
 Polk, Leonard; A&S-2 Gonzales
 Polk, Mary Frances; A&S-2 San Antonio
 Pollard, Clifford J.; A&S-Grad Galveston
 Poole, Cecil H.; Ag-4 Hempstead
 *Poole, Gus T.; Ag-4 Cameron
 Poole, Thelma; HE-3 Hempstead
 Pope, Lawrence L.; A&S-2 Henderson
 Porter, Leo P.; A&S-2 Gause
 Porter, Mattie; HE-4 Tyler
 Posey, Martha Faye; A&S-1 Dallas
 Potts, Martha L.; A&S-3 Bryan
 Pouncy, Deloris V.; HE-2 Palestine
 Pouncy, Veneta D.; HE-3 Palestine
 Powell, Lucille; A&S-1 Beaumont
 Prater, Mary H.; A&S-3 El Paso
 Preadon, Henry Louis; Engr-2 Port Arthur
 Prescott, Helen Marie; A&S-1 Groesbeck
 Presley, Edward G.; A&S-2 Dallas
 Presley, Joyce; A&S-4 Dallas
 Preston, Doris R.; A&S-3 Bay City
 Price, Edward; A&S-4 Smithville
 Price, Jack; A&S-3 Dallas
 Price, Johnnie A.; A&S-1 Smithville
 Price, Robbie Sue; A&S-4 Gilmer
 Price, Robert Earl; A&S-2 Smithville
 Proctor, Annie Ruby; HE-1 Richards
 Prosper, Lafayette; Engr-2T Navasota
 Pruitt, Charles E.; A&S-2 Crockett
 Pruitt, Pinkie C.; A&S-1 Linden
 Pruitt, Willie; A&S-4 Fort Worth
 Pryor, Rayford, Jr.; Engr-2 Longview
 Pryor, Wilford Earl; Ag-2 Smithville

Randon, Van Neal; A&S-1 Italy
 Ranson, Willie Ervin; A&S-1 Longview
 Rasmus, Barbara Jean; A&S-2 Houston
 Ratcliff, Bettie J.; A&S-1 Seguin
 Ratcliff, Hazel M.; A&S-1 Houston
 Ratcliff, Helen L.; A&S-1 Houston
 Ratcliff, Rhine E.; A&S-1 Luling
 *Ravnell, Alonzo; A&S-2 Mexia
 Ray, Carlos Louise; A&S-1 Temple
 Ray, Jo Jewell; A&S-1 Houston
 Ray, Narvela; A&S-3 Groesbeck
 *Rayford, Robert W.; Engr-Grad Prairie View
 Rayson, Ezzie Lena; HE-1 Carthage
 Rayson, Lovie D.; A&S-1 Carthage
 Redman, Walter; Engr-3 Fort Worth
 Reece, Charles A.; A&S-2 Jefferson
 Reece, Wanda Gail; A&S-1 Brownwood
 Redd, Bettye Jean; A&S-3 Austin
 Reed, Euranita; A&S-2 Waxahachie
 Reed, James Ray; A&S-4 Plainview
 Reed, Johnny W.; A&S-4 Houston
 Reed, L. V.; A&S-1 McKinney
 Reed, Lafayette; A&S-1 Waxahachie
 Reed, Otrra M.; A&S-4 Waco
 Reed, Robbye L.; A&S-4 Mart
 Reed, Victor Marie; A&S-2 Dallas
 *Reedy, George Leon; Engr-2 Houston
 Reese, Jimmie L.; Ag-3 Houston
 Reeves, Imogene; NE-1 Lane City
 *Reeves, John E.; Ag-4 Palestine
 Reeves, Lillian V.; A&S-2 Palestine
 Reid, Verma Anne; A&S-2 Daingerfield
 Reynolds, Irma Jean; A&S-2 Mexia
 *Reynolds, Juter G.; Engr-1 Pittsburg
 Rhem, Edward R.; Ag-4 Rockdale
 Rhem, Sherman L.; A&S-4 Rockdale
 Rhodes, Fannie; A&S-4 Houston
 Rhodes, Ollie; A&S-1 West Columbia
 Rhone, Gloria Dean; A&S-2 Silsbee
 Rhymes, A. C.; A&S-2 Mt. Pleasant
 Richard, Gloria Dean; HE-1 Cleburne
 Richards, Barbara; A&S-3 Hempstead
 Richards, Dorothy L.; A&S-1 Ft. Worth
 Richards, Frances L.; NE-1 Hempstead
 Richards, John A.; A&S-2 Fort Worth
 Richards, Marvin; A&S-2 Orange
 Richards, Maxine; NE-1 Hempstead
 Richards, Minnie J.; A&S-4 Center
 Richards, Ruthie Mae; A&S-2 Hempstead
 Richardson, Belzie C.; A&S-2 Hillsboro
 Richardson, Camella; A&S-4 Galveston
 Richardson, Cluren L.; A&S-2 Naples
 Richardson, Conrad; A&S-3 Fort Worth
 Richardson, Dorothy M.; A&S-2 Bay City
 Richardson, Ina; A&S-4 Oakhurst
 *Richardson, James Ag-Grad Prairie View
 Richardson, Lee; A&S-3 Hillsboro
 Richardson, Lettie; A&S-3 Huntsville
 Richardson, Lola M.; HE-2 Brenham
 Richardson, Maple; A&S-4 Longview
 Rickett, Benjamin, Jr.; A&S-1 Beaumont
 Rickett, Jean F.; A&S-1 Beaumont
 Ridge, Minnie Ida; A&S-1 Clarksville
 Riggs, Marie E.; A&S-3 Dallas
 *Rigsby, Nathaniel; A&S-4 Woodville
 Riley, Anna Delois; A&S-3 Houston
 Riley, Lovie; Ag-1 New Boston
 Riley, Wilbert C.; Engr-1 Port Arthur
 Rippto, Lillian; A&S-3 Ennis
 Rivers, Horace H.; A&S-3 Giddings
 Roach, Marjorie Zelma; A&S-2 Elkhart
 Roach, Sylvester, Jr.; A&S-1 Seguin
 Roan, Thomas A.; A&S-1 Baytown
 Roberts, Alvin E.; A&S-3 San Antonio
 Roberts, Beatrice; NE-1 Rayburn
 Roberts, Hallie E.; A&S-1 Houston
 Roberts, Billy Gene; A&S-2 Mineola
 Roberts, Dorothy J.; HE-3 Longview
 *Roberts, Lee Louis; HE-3 Cameron
 Roberts, Verma Jean; HE-1 Rayburn
 Robertson, Lois L.; A&S-4 Rosser

Robinson, Bennie M.; A&S-4	Wink
Robinson, Dell M.; A&S-2	Texas City
Robinson, Ermadine; A&S-4	Naples
Robinson, Eunice A&S-4	College Station
Robinson, Freeman; A&S-2	Corsicana
Robinson, Helen R.; A&S-4	Naples
Robinson, Howard C.; A&S-3	Beaumont
*Robinson, James, O.; A&S-4	LaMarque
*Robinson, Lenard; A&S-2	Huntsville
Robinson, Mary Rose; A&S-2	Orange
Robinson, Robert C.; A&S-4	Needville
*Robinson, Ruby Lee; Engr-2T	Taylor
Robinson, Thelma C.; A&S-Grad	Wortham
Rodgers, Elizabeth L.; A&S-3	Paris
Rodgers, Ester V.; A&S-4	Flatonia
Rodgers, Oma Jean; A&S-2	Pittsburg
Rodgers, Ralph; Ag-4	Pittsburg
Rogers, Charlie; A&S-3	Dallas
Rogers, D'Arcy; NE-1	Houston
Rogers, Ida Marie; A&S-2	Pittsburg
Rogers, Lelia J.; A&S-Spec	Prairie View
Rogers, Mary Alice; A&S-2	Port Arthur
Rollins, Lula Bell; A&S-2	Liberty
Roquemore, Garrett T.; A&S-1	Hempstead
Roquemore, Nettie J.; A&S-1	Henderson
*Roquemore, Saul; Ag-3	Bivins
*Rose, James J.; A&S-3	Sulphur Springs
Rosemond, Samuel L.; A&S-2	Cameron
Ross, Dorothy; A&S-4	Booth
Ross, Jessie Lee; A&S-1	Meina
Ross, Jimmie L.; A&S-4	Henderson
Ross, Olethia S.; A&S-2	Huntsville
Roy, Ceasar Augustus; A&S-2	Jacksonville
Ross, Samantha; A&S-4	Brenham
Routte, Bradford L.; A&S-2	San Augustine
Ruffin, Joseph Lee; Engr-2	Seguin
Russ, Andrewetta; A&S-4	Longview
Russell, Barbara Ray; NE-1	Fort Worth
Russell, Charles A.; Engr-T	Quitman
Russell, Clarence; A&S-4	Fort Worth
Russell, Dan M.; Engr-3	Fort Worth
Russell, Fannie; A&S-4	Hillsboro
Russell, Jervis T.; Engr-1T	Fort Worth
Russell, Lillian; A&S-4	Fort Worth
Russell, Robbie L.; HE-3	Grayburg
Sadler, Sidney Ray; A&S-2	Valley Mill
Sadler, Wellington D.; A&S-1	Lubbock
*Sallie, Willie G.; A&S-Grad	Dallas
Salter, Betty D.; A&S-1	Timpson
Sample, Beadie M.; NE-2	Orange
*Sams, Eristus; Ag-Grad	Prairie View
Samuels, Kitty Dale; A&S-3	San Antonio
Sanders, Albert B.; Ag-2	Kilgore
Sanders, Billie; A&S-3	Nacogdoches
Sanders, Ella Modine; A&S-1	Ft. Worth
*Sanders, Emerson; Ag-4	Hempstead
Sanders, Grady, Jr.; Ag-2	Henderson
Sanders, Lonnie B.; A&S-2	Detroit
Sanders, Lynn; Engr-3	Waskom
Sanders, Mary J.; HE-3	Willis
Sanders, Nettie D.; HE-3	Bartlett
Sanders, Robert; Engr-2	Yoakum
Sanders, Thomas W.; Ag-2	Bartlett
Sanders, Vera; HE-4	Hempstead
Sanders, Virgil L.; HE-2	Fort Worth
Sanders, Zelma Faye; A&S-2	Cedar
Sanford, Cara Faye; A&S-2	Overton
Sargent, Harold; A&S-3	Houston
*Saunders, Richard N.; Engr-2	Brooklyn, New York
Scallion, Elijah, Jr.; A&S-3	Schulenburg
Scott, Alvin R.; Ag-3	Jacksonville
Scott, Audrey Mae; A&S-2	Dallas
*Scott, Ben, Jr.; A&S-2	Elgin
Scott, Betty Joyce; A&S-3	Beaumont
Scott, Cecil C.; A&S-3	Hallsville
Scott, Dorothy Anita; A&S-2	Lufkin
Scott, Lottie B.; A&S-4	Houston
Scott, Oneida Jean; A&S-1	Dallas
Scott, Paul; A&S-3	Robstown
Scott, Violet Jean; HE-2	Jacksonville
*Scott, Wellington; A&S-4	Jacksonville
*Scourten, Richard T.; Engr-4	Terrell
Scranton, Phillip J.; A&S-1	Elgin
Scroggin, Bobbie Jean; A&S-1	Elgin
See, Wilbur; Ag-4	Houston
Sedberry, Edward C.; A&S-4	Houston
*Sells, Eska; A&S-4	Jamestown
Sells, Lola; A&S-1	Jamestown
Sells, Martha Luc; NE-1	Buma
Senegal, Ethel M.; A&S-4	Galveston
*Sewell, Jasper F.; A&S-2	Buma
Sexton, Wilma Faye; HE-1	Nacogdoches
Shanklin, Adelina; HE-4	Galveston
Shannon, Marshall; A&S-3	San Marcos
Sharkey, Gladys M.; A&S-1	Waco
*Sharpe, Talmadge; Ag-4	Jasper
Sharpless, Dorothy; HE-4	Big Sandy
Shaw, Alice Marie; A&S-2	Port Arthur
Shaw, Amos, A&S-2	Port Arthur
Shaw, Lawrence; Ag-2	Jasper
Shaw, Rozella Maria; NE-1	LaMarque
Shaw, Samuel A.; Engr-1T	Austin
Shaw, Wesley; A&S-4	Hillsboro
Shelton, Mary Frances; A&S-2	Dallas
Shelton, Mary F.; NE-1	Greenville
Shepard, Gloria Faye; A&S-2	Temple
Shepard, Lonnie; Engr-4	Jefferson
Shepard, Maggie; A&S-4	Bryan
Sheppard, Era Faye; A&S-3	Reklaw
*Shepherd, Willie; Engr-4	Tyler
Sheppard, Eva Yvonne; A&S-2	Ft. Worth
Sheppard, Frederick; A&S-2	Washington
Sherrell, George; A&S-1	Luling
Shivers, Deloris; A&S-4	Bryan
Shorten, Winnie; NE-1	Beaumont
Shorter, Katherine E.; A&S-1	Austin
Sias, Lou Ivory; A&S-1	Beaumont
Sigers, Genera S.; HE-2	Nacogdoches
Simien, Martha M.; A&S-4	Galveston
Simien, Hilbert A.; A&S-3	Galveston
*Simmons, John Edward; Ag-1	Pineland
Simmons, Elvin; Engr-3	Dallas
Simon, Nola Jane; A&S-2	Baytown
Simpkins, Billy; A&S-3	Port Worth
Simpson, Eloise E.; HE-1	Nacogdoches
*Simpson, James; A&S-4	Rosenberg
Simpson, Veatrice; HE-4	Houston
Simpson, Wanda Faye; A&S-1	Wellington
Siverland, Alberta; A&S-1	Beaumont
Sims, Goretha; A&S-2	LaPorte
Sims, Rosetta; A&S-1	Dallas
Smart, Wildred Lee; A&S-1	Tyler
Smith, Abner, Jr.; A&S-2	Dallas
Smith, Alexander; Ag-Grad	Frankston
Smith, Barbara Jean; A&S-1	Fulshear
Smith, Bertha Ann; A&S-1	Huntsville
Smith, Betty Ann; A&S-2	Groesbeck
Smith, Bonnie F.; A&S-4	Pittsburg
Smith, Clarence, Jr.; A&S-1	Alto
Smith, Clarence A.; A&S-2	Galveston
*Smith, Clinton B.; A&S-4	Luling
Smith, Dolris Laura; A&S-2	Amarillo
Smith, Dinard A.; A&S-2	Queen City
Smith, Doris Marie; HE-4	Jefferson
Smith, Dorothy; A&S-2	Dallas
Smith, Dorothy D.; A&S-1	Houston
Smith, Dorothy Lee; A&S-3	Camden
Smith, Elbert; A&S-4	Galveston
Smith, Erma Jean; HE-3	Hempstead
Smith, Elvin; A&S-2	Beaumont
Smith, Esther R.; A&S-3	Dallas
Smith, Eugene E.; A&S-2	Palestine
Smith, Eva Lee; HE-4	Houston
Smith, Exa Louise; A&S-3	Hearne
Smith Ferman R.; A&S-2	Beaumont
Smith, Harold C.; A&S-2	Huntsville
*Smith, Harvey L.; Ag-4	Port Lavaca
Smith, Haywood C.; A&S-3	Glidden
Smith Henry; A&S-2	Port Arthur
Smith, James E.; Ag-4	Luling
Smith, Jessie M.; A&S-1	Longview
Smith, Jessie Mae; A&S-4	Texarkana

Smith, Joseph ; A&S-1	Beaumont	Summers, Tribble; NE-2	Fort Worth
Smith, Jewell B. ; A&S-3	Texarkana	Sutton, Gloria; Engr-1T	Port Arthur
Smith, Laura E. ; A&S-1	Marlin	Sutton, Rosie; A&S-3	Bay City
Smith, Leroy Devon ; A&S-3	Boynton, Oklahoma	Swanson, Floyd T. ; A&S-4	Palestine
Smith, Lester, A&S-4	Baytown	Swanson, Velma Jo Ann ; A&S-1	Palestine
Smith, Lorene Joyce; NE-1	Linden	Sylvester, Ernest; A&S-4	Roganville
Smith, Mable A&S-2	Overton	Syre, Ethel; A&S-1	Palestine
Smith, Marjorie; HE-4	Henderson	Talley, Louise; A&S-4	Dallas
Smith, Mary LaVaughn ; A&S-1	Waldo, Arkansas	Tanner, Lillie; A&S-3	Dallas
Smith, Mocille E. ; A&S-2	Texarkana	*Tapscott, Charles; Ag-3	Prairie View
Smith, Norma Dean; A&S-3	Fort Worth	Tatum, Bettye Jean; A&S-1	Jacksonville
Smith, Raymond; A&S-2	Needville	Tatum, Charles; A&S-Grad	Center
Smith, Ruth Jenell; A&S-1	Beaumont	Tatum, Easter; A&S-3	Jacksonville
Smith, Shirley B. ; A&S-2	Huntsville	Tatum, Mereta Ressa; A&S-3	Mineola
Smith, Trixie Lee; A&S-3	Gilmer	Taylor, Bettye; A&S-4	Texarkana
Smith, William S. ; A&S-2	Dallas	Taylor, Charles; A&S-1	Houston
Smothers, Caliborne W. ; A&S-2	Malakoff	Taylor, Dolores C. ; A&S-4	Wharton
Smothers, Dorphenia ; A&S-4	Malakoff	Taylor, Harold; A&S-3	Houston
Sneed, Iva J. ; A&S-1	Fort Worth	Taylor, Iva Lee; NE-2	Mt. Calvin
Snell, Lerline; A&S-4	Burkville	Taylor, Jamie; A&S-1	Baytown
Snell, Thomas S. ; Engr-1T	Hempstead	Taylor, Jernee; A&S-4	Marlin
Snow, Eunice; A&S-Spec	Prairie View	Taylor, Joyce; A&S-2	Floydada
Solomon, Alderene H. ; A&S-4	Huntsville	Taylor, Lera; A&S-4	Braddus
Southall, Dorothy M. ; HE-2	Bay City	*Taylor, Lemuel; Engr-2T	Waxahachie
Southall, Loraine ; A&S-3	Spokane, Washington	Taylor, Ruth Bennett; A&S-4	Newton
Sowell, Valda ; A&S-1	Houston	Taylor, Samuel; Engr-3	Waxahachie
Sparkis, Leon; A&S-Spec	Terrell	*Taylor, Therman; A&S-4	Kendleton
Spencer, Geneva; A&S-1	Brenham	Taylor, Velma; HE-4	Bay City
Spencer, Viola Ruth; A&S-2	Brenham	Teal, Mary; A&S-2	Crockett
Spikes, Exie V. ; A&S-2	Bon Wier	Temple, O'Reacie; A&S-1	Fort Worth
Spikes, Jerelene; A&S-4	Beaumont	Templeton, Dessy Ree; A&S-1	Longview
Spikes, Julius; A&S-2	Beaumont	*Teno, Johnson; A&S-4	Prairie View
Spikes, Tyler; A&S-3	Beaumont	*Terrell, James M. ; A&S-1	Victoria
Spiller, John L. ; A&S-2	Van Vleck	Thomas, Alice; A&S-2	Malakoff
Spiney, Clara B. ; A&S-4	Madisonville	Thomas, Bobbie; A&S-4	Dallas
Spinks, Mary Louise; A&S-2	Ft. Worth	Thomas, Colita; A&S-1	Ft. Worth
Spradley, Charlene; A&S-1	Prairie View	Thomas, Donald Lee Engr-4	Ft. Worth
Stafford, Glenna Faye; A&S-1	Baytown	Thomas, Doretha; HE-4	Houston
Stafford, Valeria ; A&S-Grad	Brenham	Thomas, Earline P. ; A&S-4	Hempstead
Stallon, Elizabeth R. ; A&S-2	Dallas	Thomas, Ethel Lois; A&S-1	Cedar Lane
Stallon, Sammie H. ; A&S-3	Dallas	Thomas, Eunice; A&S-3	Sulphur Springs
Stamps, Beulah; A&S-Spec	Prairie View	Thomas, Flora Mae; HE-2	Bay City
*Stamps, James E. ; A&S-Spec	Prairie View	Thomas, Gloria L. ; A&S-2	Dallas
Stanberry, Bill Wesley; A&S-1	Plano	Thomas, Janie L. ; A&S-2	Houston
*Stanley, John ; A&S-4	Linden	Thomas, Jewel C. ; A&S-3	Garrison
Stanton, Ethel; A&S-1	Mart	Thomas, James Edward; A&S-1	Dallas
Starling, Isiah; A&S-1	Pine Hill	Thomas, Joseph; Ag-2	Malakoff
Stearne, Mildred Eva; A&S-2	Dallas	Thomas, June Esther; A&S-1	Ft. Worth
Stearns, Charles; A&S-3	Dallas	Thomas, Lavata L. ; A&S-3	Henderson
Steger, Willie V. ; A&S-1	Hooks	Thomas, Mary E. ; A&S-4	Malakoff
Stein, Ruth K. ; A&S-4	Prairie View	Thomas, Matilda L. ; A&S-1	Henderson
Stell, Maizie; A&S-4	Ennis	Thomas, Mildred; A&S-2	Caldwell
Stephens, Claude O. ; A&S-3	Dallas	Thomas, Paul Stanton; A&S-2	Galveston
Stephens, Edna Muriel ; A&S-1	Oklahoma City, Okla.	Thomas, Rosa Lee; A&S-2	Dallas
Stern, Dorothy; A&S-4	Omaha	Thomas, Ruby Darlene; HE-3	Brenham
Steward, Belvin B. ; A&S-2	Bartlett	Thomas, Rosa Lee; A&S-2	Dallas
Steward, Geraldine; A&S-3	Houston	Thomas, Ruby Darlene; HE-3	Brenham
Steward, Willie; A&S-1	Houston	Thomas, T. C. ; Engr-3	Fort Worth
Steward, Lloyd A. ; Engr-1	Columbus	Thomas, Virgetta ; A&S-1	Fort Worth
Stewart, Louise, A&S-2	Dallas	Thompson, Ada V. ; A&S-1	Houston
Stewart, Garrett P. ; A&S-2	Waco	Thompson, Berna; A&S-3	Dale
Stewart, James E. ; A&S-2	Lufkin	Thompson, Earlene Y. ; A&S-2	Tyler
Stewart, James E. ; A&S-2	College Station	Thompson, Edith; A&S-1	Dallas
Stewart, John R. ; A&S-4	Bryan	*Thompson, Eli; Engr-Spec	Prairie View
Stewart, Larney Mae; A&S-2	Houston	Thompson, Henry L. ; A&S-1	Tyl r
Stewart, Morris J. ; Ag-4	Kerens	*Thompson, Jimmy P. ; A&S-4	Mineola
Stewart, Myrele; A&S-4	Beaumont	Thompson, Max Morris ; A&S-1	San Antonio
Stewart, Willie Mae; A&S-1	Houston	Thompson, Maye E. ; HE-4	Bay City
Stiggers, Nadine F. ; HE-2	Naples	Thompson, Opal D. ; A&S-2	Brownwood
Stimpson, Thomas J. ; A&S-1	Plano	Thompson, Sara ; HE-4	Marshall
Stine, Artie Jean; A&S-1	Nacogdoches	*Thompson, Virgie Lee ; Engr-2T	Hempstead
Stinnett ; A&S-3	Dallas	Thorne, Phillip D. ; Ag-1	Bastrop
Stinson, Earline Jean; A&S-1	Longview	Thornton, Bobbye; A&S-3	Dallas
Stoney, Edward; Engr-1	Corpus Christi	Thornton, Mildred; HE-4	Dawson
Stout, Doris J. ; A&S-4	Fort Worth	Thrash, Doris L. ; HE-3	Campbell
Strickland, Doris ; A&S-4	Texarkana	Thrash, Newell Cain; A&S-1	Campbell
Stroman, Malissa A. ; A&S-1	Brazoria	Tignier, Carl H. ; A&S-4	Houston
Sullivan, James ; A&S-3	Greenville	Tillery, Charlyne E. ; NE-1	Bryan
		Tillery, Ethel Love; A&S-1	Ft. Worth

Thillis, Cleotrice O.; A&S-1	Dallas	Washington, Joyce V.; A&S-2	Dickerson
Timmons, Benjamin; A&S-1	McKinney	Washington, Leola; A&S-4	San Antonio
Timms, Illinois J.; A&S-1	Gladewater	Washington, Lucy; A&S-4	Mineral Wells
Tippet, Dana V.; A&S-3	Longview	Washington, Mary L.; A&S-1	Texarkana
Tippet, Gloria; A&S-3	Longview	Washington, Narvie B.; A&S-2	Houston
Tippins, Dorothy Jean; A&S-1	Galveston	Washington, Myrtle; A&S-2	Corsicana
Tisdell, Hazel Lee; HE	Waller	Washington, Phyllis C.; A&S-3	Lufkin
Todd, Frederick; A&S-4	Dallas	Washington, Ruth E.; HE-4	Lufkin
Toland, Jessie Mae; A&S-4	Chapel Hill	Washington, Travis; Ag-4	Point
Tolbert, Gloria Dean; A&S-2	Sweeney	Washington, Virgil; A&S-3	Dickinson
Tolbert, Otis; A&S-3	Dallas	Watley, Ulysses W.; A&S-2	Ellis
Toliver, Gloria Dean;	Houston	Watson, Bertha; A&S-1	Houston
Tolliver, Clara Beth; A&S-2	Houston	Watson, Cloecal; HE-4	Prairie View
Trimble, Evelyn D.; NE-1	Trinity	Watson, Leonidas; Ag-Grad	Anderson
Tuck, Alton Eugene; A&S-2	Mineola	Watson, Pauline D. P.; A&S-4	Hempstead
Tunson, Geneva P.; A&S-1	Brazoria	*Weathers, Jack J.; Engr-1T	Hempstead
Trahan, Octavia; A&S-2	Raywood	Webb, Jaunita V.; A&S-3	Dallas
Trotty, Archie; Ag-4	Trinity	Webster, Dorothy; A&S-3	Hearne
Truvillion, Dora; A&S-4	Newton	*Webster, Ermon; Engr-1T	Hearne
Tyron, Evangeline;		*Webster, Waymon; A&S-4	Hearne
Ag-2	Oklahoma City, Okla.	Wedgeworth, Alonzo; A&S-Grad	Mexia
Tabbs, Anita June; A&S-2	Texarkana	*Wedgeworth, Clyde; Ag-Grad	Mexia
Tabbs, Billie George; A&S-2	Dallas	Wells, Ella; Engr-1T	Baytown
Tucker, Kathryn; A&S-1	New York, N. Y.	Wells, Gwendolyn; HE-3	Prairie View
Turman, Lula Mae; A&S-Spec	Prairie View	Wells, Helen Fern; A&S-2	Terrell
Turner, David, Jr.; A&S-4	Anderson	Wells, Margaret; NE-1	Tyler
Tutt, Edna Mae; A&S-1	Dallas	Wells, Mary; A&S-3	Baytown
Upson, Dora Lee; HE-3	Huntsville	Wesley, Dorothy Nell; NE-1	Navasota
Vaughn, Johnnie Ray; A&S-2	Boling	West, Annie Lois; NE-1	Houston
Vaughn, Robert Ernell; Engr-1T	Waco	West, Zenobia; A&S-2	Pittsburg
Venerable, Lela M.; A&S-3	Dallas	Westbrook, Helen M.; HE-4	Bastrop
Venerable, Wendell G.; A&S-3	Dallas	Westbrooks, Jewelene; A&S-3	Buma
Verdun, Joyce Lee; A&S-1	Orange	Westmoreland, Verlan; Engr-2T	Willis
Vernon, Mary Ella; A&S-2	Fairfield	Wheatfield, Lorene M.; Engr-1T	Baytown
Vickers, Lyndsay M.; A&S-2	Ft. Worth	Wheatley, Alfred G.; A&S-2	Malakoff
Vinson, Lena Mae; A&S-1	Ennis	White, Betty J.; A&S-4	Dallas
Waddleton, Betty Ann; A&S-1	Winnboro	*White, Charles W.; A&S-Grad	Austin
Waddleton, Elsie; HE-4	Winnboro	White, Dorothy; A&S-4	Beaumont
Waddleton, Maxine; A&S-2	Winnboro	White, Jeanette; A&S-2	Austin
Wade, Joyce Mare; NE-1	Washington	White, James O.; A&S-3	Golden
Wade, Katherine R.; A&S-1	Conroe	White, Olivia H.; A&S-4	San Antonio
Wadley, Prentice; A&S-3	Corsicana	White, Theresa; A&S-2	Beaumont
Waiters, Darlene E.; HE-4	Kenney	White, Virgie Lee; A&S-2	Dallas
Wagner, Ida B.; A&S-4	Wichita Falls	Whitfield, Doris M.; A&S-1	Oakwood
Walker, Alvin W.; A&S-1	Omaha	Whitfield, Hugh; Engr-1	Lubbock
Walker, Charlie E.; Engr-2	Grapeland	Whiting, Milton; Ag-3	Washington
Walker, Darnell L.; A&S-1	Fodice	*Whiting, Tomye C.; A&S-1	Washington
Walker, Herbert Lee; A&S-1	Navasota	*Wickliffe, Robert C.; A&S-2	Port Arthur
Walker, Johnnie M.; A&S-3	Bryan	Wickliff, Raymond; A&S-3	Liberty
Walker, Minnie Ruth; HE-4	Overton	Wilcoats, Earline; A&S-4	Dallas
Walker, Odell M.; A&S-2	Temple	Wilcox, Philbert Ray; A&S-1	Ft. Worth
Walker, Ruth Laverne; A&S-2	Brenham	Wilcoxon, Alene; A&S-3	Overton
Wallace, Barbara Jean; A&S-1	Houston	Wilder, Leo; Ag-4	Crockett
Wallace, Caroline J. A&S-1	Nixon	*Wiley, Oscar; A&S-3	Cameron
*Wallace, Cloyance; A&S-3	Middleton	Wilkerson, Eliza; A&S-3	Cameron
Wallace, Dorothy; A&S-2	Bryan	Wilkinson, Rudolph; A&S-3	Ft. Worth
Wallace, James W.; Engr-1	Middleton	Williams, Agnes M.; A&S-1	Sweetwater
Wallace, Thelma J.; A&S-2	Houston	Williams, Alma A.; A&S-3	Granger
Wallace, Winnie M.; HE-3	San Antonio	Williams, Ann Loretta; A&S-1	Freeport
Waller, Imogene Janet; A&S-2	Corsicana	Williams, Anna S.; A&S-4	Houston
Walls, Andrew James; A&S-2	Fort Worth	Williams, Annie Mae; A&S-1	Mexia
Walton, Billie Jean; HE-1	Winona	*Williams, Arthur; Engr-4	Huntsville
Walton, Mose Henry; HE-4	Houston	Williams, Beatrice M.; A&S-3	Dallas
Walton, Tommie; Engr-4	Houston	Williams, Bennett, Jr.; HE-4	Crockett
Walton, Willard L.; Ag-3	Winona	Williams, Betty Bell; A&S-2	LaMarque
Waring, Joseph Henry A&S-2	Douglasville	Williams, Bettye Jean; HE-3	Dallas
*Warren, Curtis; Ag-4	Houston	Williams, Bobby J.; A&S-3	Dickerson
Warren, Era Lene; A&S-2	Overton	Williams, Calvin; A&S-1	Beaumont
Warren, Floyd; Ag-4	Moody	Williams, Clemontene; A&S-2	Malakoff
Warren, Herman L.; Ag-3	Tyler	Williams, Doris Gayle; A&S-2	Amarillo
Warren, Jeanette; A&S-4	Naples	Williams, Emma Mae; A&S-2	Houston
Warren, Jessie; HE-4	Dallas	Williams, Erma Lee; A&S-2	Houston
Washington, Bobby G.; A&S-1	Denton	Williams, Ervin M.; Engr-1T	Bryan
Washington, Charles W.; A&S-1	Calvert	Williams, Ester Lene;	
Washington, Christine; A&S-2	Tenaha	A&S-1	College Station
Washington, Dolores; A&S-1	Port Arthur	Williams, Eunice; A&S-1	Jacksonville
Washington, Doris; A&S-1	Washington	Williams, Freddie Ree; A&S-1	El Paso
Washington, Ethel; A&S-1	Beaumont	Williams, Geraldine B.; A&S-3	Dallas
*Washington, Garland; Ag-3	Dallas	Williams, Gloria M.; A&S-1	Longview
Washington, Georgia M.; A&S-4	Dallas	Williams, Helen R.; A&S-2	Longview
Washington, Howie B.; HE-1	Cleveland	Williams, J. Rannie; A&S-1	Longview
Washington, Jessye; A&S-4	Dallas	Williams, Jean Mae; A&S-2	Nueces

Williams, Jewel L.; A&S-3	Fort Worth
Williams, Jimmie; HE-4	Hooks
Williams, Joan A.; A&S-2	Dallas
Williams, John E.; A&S-3	Camden
Williams, Joe A.; A&S-4	Austin
Williams, Joyce; A&S-2	Bryant
Williams, Juliett N.; A&S-1	New Brownfield
Williams, L. V.; A&S-2	Shepherd
Williams, LaVerne; HE-4	Tyler
Williams, Leslie E.; Ag-3	Granger
Williams, Levi; Engr-1	Bryan
Williams, Lucelestine; NE-1	Brownwood
Williams, Martin N.; Ag-2	San Antonio
Williams, Mary L.; A&S-3	Overton
Williams, Mary Lee; A&S-4	Corsicana
Williams, Maye R.; A&S-Grad	Tyler
Williams, Mozell D.; A&S-2	Dallas
Williams, Mozell M.; A&S-1	Texarkana
Williams, Oliver W.; A&S-1	Sulphur Springs
Williams, Osborne C.; A&S-1	Longview
Williams, Pearl E.; A&S-3	Tyler
Williams, Pearlene; A&S-2	Hallettsville
*Williams, Richard; Engr-1T	Hempstead
Williams, Sam; A&S-3	Houston
Williams, Serline; A&S-Grad	Tyler
Williams, Simul; A&S-3	Fort Worth
Williams, Tommy; A&S-1	Dallas
Williams, Vernell; A&S-	Houston
Williams, Weldon C.; A&S-2	Tyler
Williams, Willie; A&S-4	Tyler
Williams, Willa Mena; A&S-1	Mexia
Williams, Willie M.; HE-3	Jasper
Williams, Wilma A.; A&S-2	Galveston
Williams, Zelma; A&S-4	Italy
Williamson, Delores M.; A&S-2	Houston
Willis, Alma Faye; A&S-3	Lockhart
Willis, George; Ag-4	Nacogdoches
Willis, Halretha; HE-1	Port Arthur
Willis, Hattie; A&S-1	Lockhart
Willis, John H.; Ag-4	Longview
*Willis, Wilmer; A&S-4	Bremont
Wilson, Alicia E.; A&S-2	Evanston, Ill.
Wilson, Annie; A&S-	
*Wilson, Artie, Jr.; Angr-4	Houston
Wilson, Bertha L.; A&S-1	San Antonio
Wilson, Betty Jewel; A&S-2	Houston
Wilson, Clarice; NE-1	Shreveport, La.
Wilson, Delois Marie; A&S-1	Texarkana
Wilson, Dorothy M.; A&S-4	Jacksonville
Wilson, Earnest Lee; Engr-2	Ennis
Wilson, Elroy; A&S-1	Seguin
Wilson, Gillespie C.; Ag-1	Weimar
*Wilson, Jefferson; HE-2T	Prairie View
Wilson, Jesse M.; HE-2	Dallas
Wilson, Mae Helene; A&S-1	Prairie View
Wilson, Mary Louise; HE-1	Elysian
Wilson, Norma Mae; A&S-2	Hearne
Wilson, Vio Lue B.; HE-3	Rosebud
Wilson, Willie Martin; Ag-4	Longview
Wilson, Willie S.; Ag-4	Hughes Springs
Winfield, Frances L.; A&S-1	Fort Worth
Winkley, Eugene; A&S-3	Atlanta
Wise, Henry Thomas, Jr.; Engr-Grad	Fort Worth
Wofford, Lillie Belle; A&S-1	Dallas
Womack, James Monroe; Ag-2	Trinity
Womack, Peyton; A&S-4	Houston
Woodard, Cleo M.; A&S-2	East Bernard
Woodard, Marjorie Ree; A&S-3	Brazoria
Woodard, Theoplis A.; A&S-4	Brazoria
Woodfork, Burma D.; HE-4	Lyons
Woodfork, Sarah Ann; HE-2	Giddings
Woods, Dorothy; A&S-3	Forney
Woods, Florence E.; A&S-1	Denton
Woods, Hazel; A&S-4	Houston
Woods, Theola P.; A&S-Grad	Prairie View
Woods, Willie F.; A&S-1	Fannin
Woods, Willie Mae; NE-1	Houston
Woodson, Cassie Mae; A&S-2	Weimar
Woolridge, Ezell; A&S-3	Longview
Wooten, Margaret M.; A&S-1	Crockett
Wooten, Sallie L.; A&S-1	Mt. Pleasant
Wright, Cecil Yvonne; A&S-2	Ft. Worth
Wright, Charles; A&S-1	Port Arthur
Wright, Dorothy Ruth; A&S-1	Thornton
Wright, Earl, Jr.; Engr-2	Houston
Wright, Harry Floyd; A&S-1	San Angelo
Wright, Herman; Ag-4	Kirbyville
Wright, Jessie; HE-4	Temple
Wright, Lauretta June; A&S-1	San Angelo
Wright, Lillian A.; NE-1	Hitchcock
Wright, Lottie Marie; A&S-1	Marshall
Wright, Louis J.; Ag-3	Brazoria
Wright, Marlene; A&S-3	Houston
Wright, Pearl V.; HE-4	Kirbyville
Wright, Thelma Lee; A&S-2	Liberty
Wright, Trudie Mae; A&S-1	Minola
Wrighting, Doris M.; HE-3	Mt. Enterprise
Wyatt, Anita Louise; A&S-1	Chester
Wyche, Betty Jean; A&S-2	Houston
Wyche, Charlie; A&S-4	Galveston
Wynne, Willie; A&S-2	Crockett
Yarbrough, Oura; Ag-2	Garrison
*Yates, Roy Lee; Ag-4	Houston
Yepp, Frank C.; A&S-3	Calvert
Yerwood, Renaldo S.; Engr-1	Ft. Worth
Young, Betty; A&S-4	Timpson
Young, Georgia; A&S-4	Paris
Young, Margaret D.; HE-2	Houston
Young, Oswald Lee; A&S-1	Cameron
Younger, Frankie J.; HE-4	Dallas

EXTENSION SCHOOL ENROLLMENT

Symbols: Town or City-Location or type of extension work; 1—1st quarter or semester; 2—2nd quarter or semester; no figure indicates school was open 1 quarter or student attended only one quarter, or that school was open both quarters and student attended both quarters.

Abner, Modesta, Giddings
 Ake, Elnora, Austin, 2
 Alexander, Ira Bell, Lubbock, 2
 Allen, Fredna M., Ennis, 1
 Allen, Lonie J., Giddings
 Allen, Marie Neal, Galveston, 1
 Amboree, John D., Van Vleck, 1
 Amey, Bertha, Van Vleck, 1
 Amey, Hawthorne, Pledger, 1
 Anderson, Cecile E., Cameron, 1
 Anderson, Claudia W., Cameron, 1
 Anderson, Hattie H., Cameron, 1
 Anderson, Loleta, Galveston, 1
 Anderson, Valli M., Galveston
 Armbrister, Lizzie B., Prairie View

Arnold, Verna W., Austin
 Ahnon, Horace, Van Vleck, 1
 Austin, Luella Twigg, Cameron, 1
 Banks, Olivia M., Prairie View
 Barrett, Louvenia, St. Augustine, 1
 Bassett, Ira P., Bryan, 2
 Basey, Venella Mae, Prairie View
 Bateman, Grlree V., Luling, 1
 Beavers, Aurilla D., Galveston
 Bell, Augusta Lee, Texarkana
 Bell, Ethel G., Galveston
 Bell, Mary Helen, Austin, 1
 Benford, Ruby Jewel, Bryan, 1
 Benton, Willo, Ennis
 Berry, Alzena, Pilot Point, 1

- Biglow, Beulah, Prairie View, 1
 Blackwell, Ruth T., Texarkana, 2
 Bolen, Zelma T., Galveston
 Bolton, Anna Wade, Augustine, 1
 Bonds, Norris M., Gonzales, 2
 Boone, Janie S., Diboll
 Booth, Ada B., St. Augustine, 1
 Boston, Arbirda, Caldwell
 Boyd, Donnye S., Pilot Point, 1
 Boyd, Mitchell, Pilot Point, 1
 Bracy, Eddie M., Littlefield, 1
 Bradley, Emma B., Brenham, 2
 Bradley, Hattie S., Brenham, 2
 Bradley, Marion J., Brenham, 2
 Branch, Pearl G., Diboll
 Bridge, Ophelia, Galveston, 2
 Brothers, William, Luling, 1
 Brown, Ida K., Wichita Falls, 2
 Brown, Lillie E., Giddings
 Brown, Mary Allen, Giddings
 Brown, Missouri L., Luling, 2
 Brown, Rosetta, Austin, 2
 Brown, Vordia H., Texarkana
 Brown, Willie, Galveston, 1
 Brush, Susie L., Galveston
 Buchanan, Joseph, Wichita Falls, 2
 Burks, Hazel H., Cameron, 1
 Butler, Fannie, Galveston, 1
 Byers, Lula V., Gonzales
 Caldwell, Mable E., Galveston, 1
 Campbell, Ella Mae, Austin, 1
 Campbell, Julia M., Bryan, 2
 Carmen, Bettye J., Galveston
 Carter, Josephine, Prairie View
 Carrington, Dorothy L., Diboll
 Carter, Annie M., Galveston, 1
 Carter, Evelyn, Diboll
 Carter, Virgie F., Galveston, 1
 Carter, Willie J., Diboll
 Cass, Corine E., Bryan
 Cavanaugh, Francis, Luling, 1
 Cawthorn, Naomi M., Austin
 Chambers, Evelyn A., Galveston, 1
 Chatham, Avis J., St. Augustine, 1
 Cheatham, Helen, Wichita Falls, 2
 Clark, Aslee, Prairie View
 Clark, Virdie Mae, Pilot Point, 1
 Clayton, Celestine, Luling, 1
 Cobb, Mary E., Galveston
 Cockrell, Jimmie Louis, Van Vleck, 1
 Coleman, Clara, Pilot Point, 1
 Collins, Dorothy Mae, Lubbock, 2
 Collins, Rubye Taylor, Austin, Gonzales, 2
 Colquitt, Admounia, St. Augustine, 1
 Combs, Lorraine J., Austin, 1
 Conley, Onie B., Austin
 Conner, Mayme C., Giddings, 1
 Cooper, Lelia B., Prairie View
 Cooper, Willie D., Van Vleck, 1
 Corley, Myrtle Lee, Luling, 2
 Cornelius, Lula, Texarkana
 Coulson, Sarah B., Littlefield, 1
 Cox, Doylene M., Texarkana
 Cox, Willie Mae Lewis, Littlefield, 1
 Lubbock, 2
 Crayton, Patricia A., Giddings
 Cummings, Lula Mae, Brenham, 2
 Curtis, Bernard, Galveston, 1
 Darden, Myrtle Lee, Giddings
 Davenport, Maudie R., Ennis, 1
 Davis, Albert, Ennis
 Davis, Doris J., Ennis, 1
 Davis, Lee A., Ennis, 1
 Davis, Lovie Mae, Austin
 Deal, James Edward, Galveston
 Dean, Moses Z., Bryan
 DeJean, Mary L., Brenham, 2
 Denmon, Frankie, Giddings, 1
 Dennis, Myrtle M., St. Augustine, 1
 Dickerson, Hallie A., Austin, 2
 Dodd, Gladys J., Texarkana, 1
 Donahue, Vern Mae, Ennis
 Donovan, Emma, Giddings, 1
 Dorsey, Martin L., Prairie View
 Douglas, Burnice P., Pilot Point, 1
 Duncan, Helen, Diboll
 Eddington, Gracie Mae, Bryan
 Elias, Minnie M., Gonzales
 Ellis, Azalia W., Prairie View
 Ellis, Grace N., Galveston
 English, Laura M., Ennis
 Escoe Edward E., Bryan, 1
 Estelle, Annie Belle, Brenham, 2
 Estelle, Ruby V., Prairie View, 2
 Estes, Edna Mae, Giddings
 Estes, Loyce C., Austin
 Fant, Mildred L., Gonzales, 1
 Fleeks, Mary A., Texarkana
 Ford, Polk M. A., Ennis, 1
 Frazier, Lucile E., Austin, 2
 Freeman, William A., Wichita Falls, 2
 Galbraith, Anna B., Texarkana
 Gardner, Ravelle, Van Vleck, 1
 Gardner, Thelma, Galveston
 Garner, Ida B., St. Augustine, 1
 Garner, Freddie, Littlefield, 1
 Gaston, Carrie Mae, Ennis
 Gates, Bertha Lee, Caldwell, 2
 Gee, Mike H., Van Vleck
 Gibson, Edward Lee, Ennis
 Gibson, Vera M., Texarkana
 Goodley, Bessie Mae, Caldwell, 2
 Gordon, Lillie M., Galveston
 Gordon, Zerlee, Giddings, 1
 Graves, Shedrick, Giddings
 Crays, Eddie Mae, Prairie View
 Grays, Lee Lindsay, Bryan, 1
 Green, Mary D., Gonzales, 1
 Gregory, Grace S., Pilot Point, 1
 Griffin, Louis G., Littlefield, 1
 Lubbock, 2
 Guess, Irene G., Pilot Point, 1
 Hackney, Olivia R., Diboll, 1
 Hale, Savoy V., Texarkana
 Hall, Mildred Dale, Austin, 1
 Hall, Ruth T., Galveston
 Hammond, Helen M., Austin
 Harris, Bernice L. J., Diboll
 Harris, Cornelius A., Galveston, 1
 Harris, Marguerite, Austin
 Harris, Mary J., Ennis, 1
 Harris, Willie J., Van Vleck, 1
 Harrison, Anderson., Galveston, 1
 Harrison, Meatra, Gonzales, 1
 Harrison, Meatra D., St. Augustine, 1
 Harrison, Ray Alfred, Gonzales
 Hatchett, Pauline J., Prairie View
 Hawkins, James Henry, Bryan, 1
 Hawkins, Pearl L., Littlefield, 1
 Lubbock, 2
 Hawthorne, Amey, Jr., Van Vleck, 1
 Haynes, George, Galveston
 Heagins, Vergie Anne, Diboll, 1
 Heard, Mable E., Brenham, 2
 Hendein, Mollie V., Ennis, 1
 Henderson, Esther M., Brenham, 2
 Henderson, Mattie J. W., Texarkana
 Henderson, Norman, Luling, 1
 Herren, Katherine M., Diboll
 Herron, Emma Mae, Ennis
 Herts, Lucille, Giddings
 Hickey, John S., Giddings
 Hightower, Bernice, Galveston, 1
 Hill, Laura B. James, Ennis
 Hinton, Reva D., Pilot Point, 1
 Hodge, Julia E. M., Bryan, 1
 Hodge, Lovanna, Diboll and Prairie View
 Hopkins, Albert G., Galveston
 Horace, Dottie Mae, Prairie View
 Howard, Angas, Texarkana
 Howard, Madelyn W., Bryan, 1
 Hubert, Maye G., Pilot Point, 1
 Hughes, Charles S., Galveston
 Humber, Ruby Lee, Bryan

- Hunnicutt, Zora M., Littlefield, 1
 Hunter, Lawrence W., Galveston
 Hurt, Ida Marie, Luling, 1
 Hurt, Thomas M., Luling, 1
 Hutcheson, Annie D. L., Ennis
 Jackson, Charles Riley, Austin
 Jackson, Elnora V., Wichita Falls, 2
 Jackson, Gwendolyn M., Wichita Falls, 2
 Jackson, Hazel L., Galveston, 1
 Jackson, John A., Wichita Falls, 2
 Jackson, John H., Texarkana, 2
 Jackson, Lloyd, Van Vleck, 1
 Jackson, Sedonia, Galveston, 1
 Jacquo, Samuel, Galveston
 James, Deola Mae, Galveston, 1
 Jefferson, Joanne, Prairie View
 Jerkins, Jessie L., Ennis, 1
 Johnson, Callie Louise, Texarkana
 Johnson, Dorothy Ruth, Diboll, 1
 Johnson, Fannie L., Texarkana
 Johnson, Hazel, Gonzales
 Johnson, Leola R., Littlefield, 1
 Johnson, Mary E. C., Brenham, 2
 Johnson, Odell C., Diboll
 Jones, Alice, Giddings, 1
 Jones, Earl S., Galveston
 Jones, Eugenia A., Cameron, 1
 Jones, Minnie Bell, Texarkana, 1
 Jones, Ollie Cleo, Prairie View
 Jordan, Hattie C., Texarkana
 Kearney, Ella Mae, Galveston
 Keats, Estella M., Galveston, 1
 Keele, Melzora L., Texarkana
 Kemp, Selna E., Bryan, 2
 Kemple, Thomas, Bryan, 2
 Kerr, Louise O., Littlefield, 1
 Kerr, George W., Littlefield, 1
 Kilpatrick, Mable E., Prairie View, 2
 King, Ervin N., Luling, 1
 King, Irene N., Bryan, 1
 King, Lawrence E., Bryan
 King, Lue Delia, Luling, 1
 Kenney, Lillian, Prairie View
 Knighton, Addie M., Galveston, 1
 Lacy, Myrtle, Giddings, 1
 Langdon, Eddie S., Austin, 1
 Langston, Estella, Texarkana, 2
 Langston, Nettie C., Galveston, 1
 Latson, Leila M., Bryan, 1
 Lawrence, Mada E., Texarkana
 Lee, Birdie Ruth, Austin
 Lee, Marie H., Caldwell, 2
 Lenard, Bertha M., St. Augustine, 1
 Lemued, Nellie M., Caldwell, 2
 Lewis, Amanda, St. Augustine, 1
 Lewis, Lillian, Ennis, 1
 Lyons, Mary Ida, Galveston
 McAlister, Louise E., Diboll, 1
 McClure, Evelyn D., Galveston, 1
 McCoy, Diana T., Diboll
 McCoy, Olean S., Wichita Falls, 2
 McDowell, Rosetta, Ennis, 1
 McGowen, James L., Galveston, 1
 McKinney, Murlene, Luling, 1
 McLemore, Naomi C., Diboll
 McMichael, Tempie V., St. Augustine, 1
 McNeil, Queen L., Bryan
 Manuel, Ophelia L., Caldwell, 2
 Marece, Elroy G., Gonzales, 2
 Martin, Eloise, Austin, 1
 Martin, H. E., Diboll, 1
 Martin, Katie W., Diboll and Prairie View
 Marshall, Eliza N., Texarkana
 Mathis, Clara B., Gonzales
 Mathis, Myrtle L., Gonzales
 Mathis, T. L., Diboll
 Mathis, Wrenonah L., Prairie View
 Matlock, Doris E., Texarkana, 2
 Matthews, Sadie M., Texarkana
 Mays, Ethel M., Austin, 1
 Means, Bertha Sadler, Austin
 Means, Frankie Lee, Austin, 1
 Gonzales, 2
 Miller, Dennie, Ennis
 Miller, Eloise, Van Vleck, 1
 Miller, Mardonie, Ennis, 1
 Minor, Nona M., Caldwell, 2
 Montena, Myrtle, Prairie View, 2
 Montgomery, Lula B., Cameron, 1
 Moore, Ada Mae, Giddings
 Moore, Dimple L., Texarkana, 1
 Moore, Elsie M., Prairie View, Caldwell, 2
 Moore, Lula L., Luling, 1
 Moore, Rutha Mae, Giddings
 Morgan, Geneva M., Galveston, 2
 Morgan, Willie V., Cameron, 1
 Morrow, Viola, Caldwell, 2
 Morrison, Nonah J., St. Augustine, 1
 Moses, Mabel V., Prairie View
 Moseley, Frederick A., Prairie View
 Mosley, Canzetta R., Bryan, 1
 Mosley, Christine A., Prairie View
 Muckelroy, Abee V., Prairie View
 Muldrew, Esther F., Texarkana
 Murphy, Ella Mae, Austin, 1
 Murphy, Tommie M., Caldwell, 2
 Nash, Eunice M., Galveston, 1
 Nash, Leon D., Galveston, 1
 Nathan, Cordia L., Brenham, 2
 Nathaniel, Earl, Diboll
 Neal, Eva E., Wichita Falls, 2
 Nelson, Ada W., Cameron, 1
 Nelson, Creola A., Cameron, 1
 Nelson, Courtney, Cameron, 1
 Newsome, Strather W., Wichita Falls, 2
 Newton, Mary E., Littlefield, 1, Lubbock, 2
 Nichols, Marie Louise, Galveston, 1
 Nickleberry, Etta Mae, St. Augustine, 1
 Noah, Leon D., Galveston, 1
 Norman, T. Ettalene, Caldwell, 2
 Northcross, Estell, Texarkana, 2
 Norwood, Lillian V., Austin, 1
 Ocheitree, Ural, Bryan, 2
 Owens, Oletha J., Littlefield, 1; Lubbock, 2
 Pace Millie Lee, Prairie View, 2
 Pace, Ruby Owens, St. Augustine, 1
 Page, Patsy L. J., St. Augustine, 1
 Palmer, Lydia C., Cameron, 1
 Pannell, Lowell, Bryan, 1
 Parish, Jessie Lee, Prairie View
 Parker, Robbie L. R., Diboll, 1
 Patton, Beatrice R., Galveston, 1
 Payne, Elma Jones, St. Augustine, 1
 Penelton, Lois H., Galveston, 1
 Perkins, Hattie L., Prairie View
 Pettit, Myrtle R., Gonzales
 Petty, Ernice A., Littlefield, 1
 Phillips, Willie A., Bryan, 1
 Pierott, Modestene H., Ennis
 Pinchback, Mary E., Austin, 1
 Gonzales, 2
 Poole, Gwendolyn B., Austin, 2
 Pope, Lynne N., Galveston, 1
 Porter, Mable E., Prairie View
 Powell, Gentry Lee, Prairie View, 2
 Powell, Marguerite C., Prairie View
 Powell, Maurice, Littlefield, 1
 Powell, Naretta, Littlefield, 1
 Lubbock, 2
 Preston, Oda Vee, St. Augustine, 1
 Prince, Jessie Mae, Ennis, 1
 Pruitt, Alfred, Ennis, 1
 Pryor, Emma L. H., Gonzales
 Pryor, Emma V. H., Giddings
 Punchard, Rosie Mae, Giddings, 1
 Rateliff, Corene, Caldwell, 2
 Redd, Ethel A., Van Vleck, 1
 Reeves, Annie, Texarkana, 1
 Reeves, Miriam L., Austin, 1
 Gonzales, 2
 Reeves, Savannah, Texarkana, 1
 Renfro, Martha P., Cameron, 1
 Rhambo, Everett, Austin, 1

- Rhambo, Lily C., Austin, 1
 Rhodes, Ollie Mae, Van Vleck, 1
 Rivers, Fannie, Galveston, 1
 Roberts, Corinne, Diboll, 1
 Robertson, W. K., Bryan
 Robinson, Australia S., Prairie View
 Russaw, Annie B., St. Augustine, 1
 Russell, Eleanor H., Galveston, 1
 Rutherford, Alice D., Littlefield, 1
 Sadler, Ethel W., Diboll and Prairie View
 Sampson, Juanita, Gonzales, 2
 Sampson, Sylvester, Prairie View
 Sanson, Susie E., Cameron, 1
 Saunders, Dora V., St. Augustine, 1
 Sayles, Para Lee, Littlefield, 1
 Lubbock, 2
 Scott, Mary Elizabeth, Austin, 1
 Scott, Thelma, Pilot Point, 1
 Scott, Walter, Jr., Van Vleck, 1
 Sedberry, Douglas W., Littlefield, 1
 Shaw, Oddie L., Prairie View
 Shaw, William L., Prairie View
 Sheffield, Ella Mae, Diboll, 1
 Sheffield, Lena Mae, Littlefield, 1
 Lubbock, 2
 Sidney, Joyce Evelyn, Van Vleck, 1
 Simms, Loma R., Prairie View
 Simmons, Floyd S., Galveston
 Simmons, Juanita P., Littlefield, 1
 Lubbock, 2
 Simpson, Johnnye S., Giddings
 Singleton, Ollie M., Prairie View
 Smith, Annie B., Austin
 Smith, Bettye Ruth, Galveston, 1
 Smith, Clara Bell, Bryan
 Smith, Dorris E., Texarkana
 Smith, Juanita K., Diboll, 2
 Smith, Lucy Johnson, Galveston, 1
 Smith, Naomi, Texarkana, 1
 Smith, Luvette, Pilot Point, 1
 Smith, Lula A., Brenham, 2
 Smith, Willie Mae I., Texarkana
 Solomon, Daisy, Giddings
 Spencer, Bessie Mae, Caldwell, 2
 Spencer, Estella, Caldwell, 2
 Stafford, George H., Prairie View, 2
 Sterling, Louella H., Galveston, 1
 Stevens, Elzora R., Prairie View
 Stevens, Erma B., Prairie View
 Stewart, Mildred B., Gonzales
 Stewart, Safornia, Texarkana
 Sublett, Effie O., St. Augustine, 1
 Sublette, Eleanor A., Galveston, 1
 Tatum, Della C., St. Augustine, 1
 Taylor, Darthulia, Prairie View
 Taylor, Mary D. J., St. Augustine, 1
 Taylor, Warren J., Galveston
 Thomas, Ella D. S., Littlefield, 1
 Thomas, Ethel, Texarkana, 2
 Thomas, Guy W., St. Augustine, 1
 Thomas, Mabel B., Bryan
 Thomas, Phonorah, Prairie View, 2
 Thomas, Reid R., Galveston
 Thomas, Russell Lee, Van Vleck, 1
 Thompson, Jodie B., Austin
 Thornton, Leola A., Littlefield, 1
 Lubbock, 2
 Toliver, Ella J., Prairie View
 Tubbs, Verona, Texarkana, 2
 Turner, Elizabeth, Ennis
 Tyson, Curtis S., Texarkana
 Urquhart, Alecia V., Galveston, 2
 Van Dorn, Odessa A., Pilot Point, 1
 Waddleton, Eurette B., Diboll
 Wade, Robbie, Luling, 1
 Walker, Edna Raye, Lubbock, 2
 Wallace, Eddie K., Texarkana, 2
 Wallace, Vivian O., Galveston, 1
 Walton, Lou Vivian, Van Vleck, 1
 Ware, Addie M., Bryan, 2
 Washington, Bette Jo, Austin, 1
 Washington, Oliver J., Texarkana
 Weaver, Jettie E. D., Texarkana
 Webb, Athlee L., Diboll, 1
 Webb, Johnnie M., Prairie View
 Webber, Roscoe C., Galveston, 1
 Wedgeworth, Alonzo W., Prairie View
 Wells, John Anna, Bryan
 Wells, Metra J., Wichita Falls, 2
 Wesley, Madison K., Texarkana
 White, Bessie Cain, Prairie View
 White, Goldie M., Prairie View
 White, Mabel A., Wichita Falls, 2
 Whiteside, Willie A. P., Bryan, 1
 Whittaker, Jeweleane W., Littlefield, 1
 Wilborn, Mable S., Giddings
 Wilcox, Georgia Mae, Texarkana
 Williams, Avis C., Ennis
 Williams, Barbara Mae, Galveston
 Williams, Dollie, Prairie View
 Williams, Erma B., Austin
 Williams, John H., Prairie View
 Brenham, 2
 Williams, Pinke, Van Vleck, 1
 Williams, Ruth G., Galveston, 1
 Williams, Viola J., Austin
 Wilson, Donnie M., Wichita Falls, 2
 Wilson, Maurice, Luling, 1
 Wilson, Olga D., Diboll
 Wilson, Vernice, Giddings
 Wise, Marion B., Galveston, 1
 Woods, Emmie L., Brenham, 2
 Woods, Permella P., Littlefield, 1
 Lubbock, 2
 Woodson, Iris G., Gonzales
 Woolfolk, Douglas G., Prairie View, 2
 Wormley, Clara E., Giddings, 1
 Wortham, Lillie Bell, Littlefield, 1
 Lubbock, 2
 Wright, Marie E., Galveston
 Wright, Thelma M., Luling, 2
 Wynn, Lola E., St. Augustine, 1
 Wynn, Mattie Mae, Prairie View, 2
 Wysingle, Verna Mae, Galveston
 Young, Velma G., Pilot Point, 1

PRAIRIE VIEW TRAINING SCHOOL 1951-52

Symbols: Numerals—Age; PP—Pre-Primer; G1—First Grade; G2—Second Grade; G3—Third Grade; G4—Fourth Grade; G5—Fifth Grade; G6—Sixth Grade; G7—Seventh Grade; G8—Eighth Grade; G9—Ninth Grade; G10—Tenth Grade; G11—Eleventh Grade; G12—Twelfth Grade; M—Male; F—Female.

Alexander, Remeo, 17 G10, M
 Anderson, Alma Jean, 9, G3, F
 Anderson, Dorothy, 16, G10, F
 Anderson, Isaiah, 7, G2, M
 Anderson, Melvin, 12, G7, M
 Anderson, Willie Lee, 19, G8, M
 Bean, Albert, 15, G9, M
 Bean, Amye Vivian, 14, G8, F
 Bean, Dale, 11, G4, M

Bean, James, 9, G3, M
 Bennett, Alfred, 16, G9, M
 Bennett, Clyde C, 6, G1, M
 Bennett, Elizabeth, 15, G10, F
 Bennett, Eula Joyce, 6, G2, F
 Bennett, Geraldine, 14, G8, F
 Bennett, Glodine, 15, G8, F
 Bennett, Iris Jean, 12, G6, F
 Bennett, Robert L., 7, G1, M

- Bennett, Walter, 11, G5, M
 Black, Garham, 8, G5, M
 Broughton, Darlene, 16, G10, F
 Broughton, Ogie, 14, G7, M
 Brown, Asland O'Neil, 6, G2, M
 Brown, Doris Elaine, 10, G6, F
 Brown, George, 12, G8, M
 Brown, Ida V., 16, G10, F
 Brown, Jonel L., 14, G11, M
 Brown, Marshal, 14, G8, M
 Calloway, Glory Jean, 11, G6, F
 Clark, Henry Don, 10, G4, M
 Clark, Osborne, 17, G10, M
 Clark, Pansy, 15, G8, F
 Dailey, Janet, 15, G10, F
 Deese, Bobbie, 8, G3, M
 Dooley, Lois Marie, 9, G4, F
 Evans, Clyde, 15, G10, M
 Felder, Lebraska, 17, G8, M
 Felder, Samuel Lee, 12, G5, M
 Fry, Francis Glenn, 11, G6, M
 Fuller, Edwilyn, 10, G7, F
 Gordon, Bettie, 15, G12, F
 Hall, Andrew J., 6, G1, M
 Hall, Hazel, 10, G5, F
 Hall, Hortense, 8, G3, F
 Hall, Walter, 9, G4, M
 Haynes, Bernice, 19, G12, F
 Haynes, Lovie Jewel, 16, G11, F
 Henry, Edgar George, 12, G7, M
 Henry, John Robert, 10, G6, M
 Henry, Martha Ann, 15, G11, F
 Herndon, Ann, 6, G3, F
 Hunter, Billie Joyce, 14, G9, F
 High, Yolanda, 6, G2, F
 Jackson, Catherine, 15, G8, F
 Jackson, Evelyn, 16, G12, F
 Jeffery, June O., 18, G12, F
 Johnson, Barbara, 17, G12, F
 Johnson, Bernard, 15, G11, M
 Johnson, Bernice, 15, G8, F
 Johnson, Booker T., 9, G4, M
 Johnson, Theodore, 7, G2, M
 Kilpatrick, Hortense E., 10, G6, F
 Kilpatrick, Madison, Jr., 8, G4, M
 Knotts, Lawrence, 10, G5, M
 Knowles, Dorothy Lee, 11, G5, F
 Lawson, Theodora, 7, G2, F
 Lee, Linda, 7, G3, F
 Lee, Myrna, 10, G7, F
 Lenton, Charlene, 13, G7, F
 Martin, Margaret, 6, G2, F
 McClenon, Georgina, 16, G12, F
 McKenzie, Vivian A., 18, G12, F
 McMillan III, Lemmon, 7, G2, M
 McMillan, Robert C., 6, G1, M
 Mosley, LaVaughn C., 16, G12, M
 Muldrew, Christopher, 7, G2, M
 Muse, Benjamin, 14, G8, M
 Muse, Delores, 13, G7, F
 Muse, Edgar Lee, 8, G1, M
 Muse, Erma Jean, 12, G6, F
 Muse, Gloria J., 16, G9, F
 Muse, Lillian, 16, G10, F
 Muse, Mary Louise, 8, G3, F
 Muse, Maudesta, 18, G11, F
 Muse, Wilma Marie, 6, G1, F
 Nicks, Fredric B., 17, G11, M
 O'Banion, Charles H., 6, G2, M
 O'Neal, Phyllis J., 7, G2, F
 Owens, Ross, 9, G3, M
 Pace, Cecil, 11, G5, M
 Pace, Emma Jean, 15, G12, F
 Pace, Royce, 13, G8, M
 Poindexter, Alfred N., III, 9, G3, M
 Poindexter, Betti R., 7, G2, F
 Foole, Robert L., 6, G1, M
 Phillip, Cecelia, 14, G9, F
 Randall, James, 12, G8 M
 Randall, Jounie, 9, G4, M
 Reed, Carrie, 14, G9, F
 Reed, Ester, Bell, 13, G7, F
 Reed, Irvin, 18, G10, M
 Reed, Jack Albert, 10, G5, M
 Reynolds, Willie R., 17, G10, M
 Richardson, Bryant, 17, G10, M
 Richardson, Darline, 12, G6, F
 Richardson, Oliver Van, 14, G5, M
 Richardson, Robert L., 18, G11, M
 Sams, Rosetta A., 6, G2, F
 Santee, Clarence, 14, G7, M
 Santee, James, 10, G4, M
 Santee, Nathaniel, 7, G1, M
 Santee, Vera Lee, 8, G3, F
 Scott, Dozerene, 16, G10, F
 Scott, Elmer Lee, 10, G4, M
 Scott, Hattie B., 19, G11, F
 Scott, Haiwatha, 18, G11, M
 Scott, Ivory Dell, 17, G10, F
 Scott, Jessie Mae, 17, G12, F
 Scott, Lloyd, Emerson, 10, G6, M
 Scott, Milton, 13, G6, M
 Scott, Tempie, 18, G10, F
 Smith, R. Wendell, 7, G2, M
 Stevens, James, Jr., 8, G4, M
 Stickney, Janice Lee, 10, G6, F
 Stickney, William H. Jr., 6, G1, M
 Thompson, Roland, 6, G1, M
 Tisdell, Harold, 11, G5, M
 Tisdell, James R., 19, G12, M
 Tolde, Fred, 13, G7, M
 Tolde, Robert, 10, G6, M
 Toler, Billie, 18, G12, F
 Tompkins, Evelyn J., 9, G4, F
 Tompkins Irene, 12, G7, F
 Tompkins, Martha Ann, 11, G6, F
 Toole, Edward, 11, G7, F
 Toole, Wallace, 10, G5, M
 Turner, Levi, 16, G7, M
 Walker, Arthur, 14, G7, M
 Walker, Charles, 10, G4, M
 Walker, Edwin, 16, G9, M
 Walker, George, 7, G3, M
 Walker, Richard, 16, G7, M
 Wallace, Leroy, 16, G10, M
 Ward, Nolan F., 6, G2, M
 Ward, Clifford, P., 9, G4, M
 White, Mary Louise, 12, G8, F
 White, Waymon, 14, G9, M
 Williams, Alva J., 7, G2, F
 Williams, Anglette, G3, F
 Williams, Bettie, 14, G8, F
 Williams, Bobbie, 14, G5, F
 Williams, Elijah, 16, G7, F
 Williams, John C., 9, G4, M
 Williams, Madeline, 20, G12, F
 Williams, Mary, 15, G9, F
 Wilson, Carolyn A., 6, G1, F
 Wilson, Jesse, 14, G9, M
 Wood, Curtis, Jr., 9, G4, M
 Wood, Garland, 7, G3, M
 Woodard, Zeltee, 14, G7, F
 Woods, Sanderson, A., 10, G6, M
 Yell, Eddie, 15, G5, M
 Yell, Gilbert, 11, G5, M

NURSERY SCHOOL ENROLLMENT

Regular Session 1951-52

Symbols: F—Female; M—Male; Figures—Age; *—Part Year

Abrams, Mary L., F, 4	McMillan, Samuel, M, 5
Burley, Roy Willis Jr., M, 4	O'Banion, Harriet, F, 4
Cleaver, Almitra, F, 4	O'Neal, Ruth Elise, F, 5
Engram, Lewis, M, 2	Poindexter, Bruce, M, 3
Engram, Peggy Ann, F, 4	Spraggins, Treka, F, 2 yrs. 3 Mo.
Fields, Harold, M, 5	Stein, Marsha, F, 4
Harden, Nathaniel Jr., M, 5	Stevens, Robert, M, 5
Herdon, Patsy, F, 3	Thomas, Curtis, M, 6
Hill, Eleanor, F, 3	Williams, Johnetta, F, 3
Hill, Sonza, F, 2	Williams, Laurence, M, 3
Lee, Betty Dale, F, 3	Woods, Craig, M, 3
Mathis, Theodore, M, 4	Woolfork, George R., Jr., M, 2
McKinnis, Hugh L. Jr., M, 3	

NAMES OF GRADUATES

January, 1951

Alexander, Walter Dan	B.S.	Agriculture
Armstrong, Thelma	B.S.	Home Economics
Barrett, Wheeler	B.S.	Industrial Education
Baugh, Vela C.	B.S.	Home Economics
Bilton, Harry	B.S.	Agriculture
Bradley, James T.	B.S.	Industrial Education
Brown, Eloise C.	B.S.	Physical Education
Cheeseborough, Eulalia	B.S.	Home Economics
Cole, Robert V.	B.S.	Dietetics
Cotton, Clarence D.	B.S.	Agriculture
Davis, Albert L.	B.S.	Agriculture
Davis, Eugene R.	B.S.	Agriculture
Davis, James A.	B.S.	Agriculture
Delamar, Gracie	B.S.	Education
Downey, William R.	B.A.	History
Ewell, Jenelle Ann	B.S.	Home Economics
Fletcher, Thelma M.	B.A.	English
Forte, Ulycess	B.S.	Agriculture
Franklin, Clyde	B.A.	History
Freeman, Mary Lou	B.A.	Sociology
Gilbert, Louis Gene	B.S.	Agriculture
Greenwell, William C.	B.S.	Industrial Education
Guyden, Robert	B.S.	Physical Education
Harrison, Katye Ruth	B.S.	Home Economics
Hubert, Earline	B.A.	Music
Jolley, Jesse C.	B.S.	Agriculture
Jones, Velma	B.S.	Physical Education
Lewis, Allen D.	B.A.	History
Livingston, Traswell	B.S.	Agriculture
Mack, Oliver W.	B.S.	Agriculture
Mack, Volena	B.S.	Home Economics
McDonald, Arthur	B.S.	Physical Education
McMillan, II, Lemmon C.	M.A.	Economics
Mitchell, Maceo D.	B.S.	Industrial Education
Newsome, Jr., Elbe	B.S.	Industrial Education
Outley, Freddie	B.S.	Biology
Parker, Floid D.	B.S.	Agriculture
Popnaugh, Ruth C.	B.A.	Business Administration
Randle, Theodore C. R.	B.S.	Agriculture
Roberts, Empra	B.S.	Agriculture
Robinson, Hillery	B.S.	Industrial Education
Scott, Edward W.	B.S.	Agriculture
Solomon, Jr., Thomas R.	B.S.	Physical Education
Tanner, Iva Lee R.	B.S.	Education
Taylor, Georgia H.	B.S.	Home Economics
Taylor, Henry F.	B.S.	Physical Education
Warner, Vernice T.	B.A.	Sociology
White, Billie A.	B.S.	Agriculture
White, Thomas J.	B.S.	Agriculture
Williams, Laura L.	B.S.	Physical Education
Woods, Dolores M.	B.A.	Physical Education
Woods, Eva Baby	B.S.	Physical Education

CERTIFICATES OF PROFICIENCY

January, 1951

NAME	TRADE SPECIALITY
Boyd, Ross E.	Printing
Jackson, Leroy	Tailoring and Garment Making
Lollie, Claude	Radio Technology
Mathis, Charles	Shoe Repairing
Newsome, Jr., Elbe	Radio Technology
Robinson, Hillery	Automobile Mechanics
Washington, Travis Jerome	Radio Technology
Williams, Herman	Shoe Repairing

SUMMARY OF DEGREES,
DIPLOMAS, AND CERTIFICATES

January, 1951

	Male	Female	Total
Bachelor of Arts	3	5	8
Bachelor of Arts in Music	0	1	1
Bachelor of Science	5	4	9
Bachelor of Science in Agriculture	17	0	17
Bachelor of Science in Dietetics	1	0	1
Bachelor of Science in Education	0	2	2
Bachelor of Science in Home Economics	0	0	0
Bachelor of Science in Industrial Education	6	0	6
Master of Arts	1	0	1
Trade Certificates	8	0	8
Total	41	12	53

NAMES OF GRADUATES

May, 1951

Abram, Maryetta H.	B.S.	Home Economics
Alexander, Celseter C.	B.S.	Home Economics
Alexander, Eugene	B.S.	Chemistry
Alexander, Verda Lois	B.A.	Business Administration
Anderson, Jean C.	B.S.	Education
Anderson, Obie Boyce	B.A.	Business Administration
Archie, H. E.	B.S.	Education
Baker, Billie Jo	B.A.	Music
Banks, Gloria Jeanne	B.A.	History
Barrens, Clarence G.	B.S.	Biology
Barrett, Dorthine J.	B.A.	Business Administration
Basher, Irene	B.A.	Music
Bigsby, Marjorie Myrel	B.S.	Home Economics
Booty, Erlene	B.S.	Education
Boozer, Clarence.	B.S.	Agriculture
Boozer, Irene	M.A.	Sociology
Boston, Johnny B.	B.S.	Agriculture
Boulware, Hugh Etta	M.S.	Administration
Boykin, Edith	B.A.	Business Administration
Brailsford, Alfred H.	B.S.	Biology
Branch, Velma Jewel	B.S.	Education
Brannon, Bessie Faye	B.S.	Education
Brigman, Yvonne Adeen	B.A.	English
Brooks, Vivian Louise	B.A.	Political Science
Brown, Connie Mack	M.S.	Administration
Brown, Eloise Carolyn	B.S.	Physical Education
Burton, James Edgar	B.S.	Biology
Burton, Thomas Henry	B.S.	Biology
Caldwell, Herman Addison	B.A.	Business Administration
Christian, Willie C.	B.S.	Physical Education
Christopher, Calude	B.A.	History
Clark, Marcillean	B.S.	Home Economics
Coleman, Willie Mary	B.S.	Home Economics
Conner, Alvin	B.S.	Industrial Education
Cooper, Estelle Lennell	B.A.	English
Coruthers, Rose Marie	B.S.	Home Economics

Cuerington, J., Aaron M.	B.S.	Agriculture
Darkins, Annie Bell	B.S.	Home Economics
Davis, Christian	B.S.	Home Economics
Davis, Floyd Jefferson	B.S.	Agriculture
Davis, Helen Marie	B.S.	Education
Davis, Jr., Robert	B.S.	Agriculture
Dawson, Carlton E.	B.S.	Biology
Deo, Edward	B.S.	Industrial Education
Donley, Clifford Edward	B.S.	Physical Education
Echols, Jack Wendell	M.S.	Administration
Edwards, Vernon V.	B.S.	Agriculture
Ewelle, Jenelle Ann	B.S.	Home Economics
Farris, James Randolph	M.S.	Administration
Fields, Jr., Naaman	B.A.	Business Administration
Ford, Ida Jo	B.A.	English
Foreman, Wanda Mae	B.S.	Home Economics
Foreman, Robert Brown	M.S.	Administration
Fry, Mary Ethel	B.A.	Music
Garrett, Golda Gardine	B.A.	Business Administration
Goodman, Winold Carola	B.S.	Home Economics
Goodlow, Charles A. M.	B.S.	Industrial Education
Grimes, Theodore Weldon	B.S.	Physical Education
Guyden, Robert	B.S.	Physical Education
Hawkins, George Warren	B.S.	Agriculture
Hopkins, John Arthur	B.S.	Agriculture
Hopwood, Essie Eugenia	B.S.	Biology
Howell, Hazel	B.A.	Music
Hughley, Doris Raye	B.A.	Business Administration
Jackson, Essie M. J.	B.S.	Home Economics
Jackson, Lowell	B.A.	Economics
Jackson, Mildred A. W.	B.S.	Home Economics
Jackson, Rebecca Lee	B.A.	Music
Johnson, Jr., A. D.	B.S.	Agriculture
Johnson, Clarence Westley	B.S.	Agriculture
Johnson, George Rice H.	B.S.	Mathematics
Johnson, Robbie Lee	B.S.	Education
Kelley, Bettie Joan	B.S.	Home Economics
Khrono, Clemmie Tenola	B.S.	Home Economics
Killyon, Everett Arquilla	M.A.	History
King, Eugene	B.A.	Business Administration
King, Loraine Madalyne	B.A.	English
Kirk, Gretel	M.S.	Administration
Kirk, Helen Celeta	B.A.	Sociology
Ladd, Jr., Charlie Hilton	B.S.	Physical Education
Lavert, Robzene	B.A.	Sociology
Lee, Donnell	B.A.	Business Administration
Lee, Marvis Juan	B.A.	Economics
Lee, Walter Arthur	M.S.	Agriculture Education
Lewis, Charlie Marion	M.Ed.	Administration
Lister, Vernal A.	B.S.	Agriculture
Livingston, Velma	B.S.	Home Economics
Love, John Samuel	B.S.	Agriculture
Lusk, John Richard	B.S.	Agriculture
Mack, Volena	B.S.	Home Economics
Malone, Edgar T.	B.A.	Sociology
Marshall, Justene	B.A.	Sociology
Marshall, Reciee Marie	B.A.	Sociology
Martin, Dorothy K.	B.A.	Music
Martin, H. Eunell Sadberry	B.S.	Education
Mason, Dorothy Juanita	B.S.	Education
Mays, Helen Ruth	B.A.	Music
McFadden, Wendell Rhea	B.S.	Industrial Education
McKinney, Ethel Mae	B.A.	Sociology
McWilliams, Katherine	B.A.	Music
Mickens, Mary Helen	B.S.	Biology
Miles, Bettye Jeane	B.S.	Education
Miles, Willie C.	B.S.	Agriculture
Miller, Jr., Clarence A.	B.S.	Biology
Moore, Phillip J.	B.A.	History
Nolen, Mary L.	B.S.	Home Economics
Norris, Jean Kennedy	B.A.	English
Norton, Elizabeth	B.A.	Business Administration
Outley, Juanita Munson	B.S.	Mathematics
Page, Patsy Lorene J.	B.S.	Home Economics
Perry, Lillian B. Dawson	B.A.	Business Administration
Pettaway, Altha B.	B.S.	Home Economics
Pollard, John A.	M.S.	Administration
Price, Dana Mae	B.S.	Agriculture
Pruitt, Jr., John Westley	B.S.	Home Economics
Reese, Gaynell Olean	B.S.	Sociology
Richardson, Charles E.	B.A.	Music
Richardson, Curtis	B.S.	Home Economics

Richardson, James A. B.	B.S.	Agriculture
Richmond, Winifred U.	B.S.	Industrial Education
Ritcherson, Jr., Solon	B.A.	Industrial Education
Roan, Ozelle Evelyn	B.A.	Music
Robinson, Clara Mae	B.S.	Home Economics
Robinson, R. Eulalia	B.S.	Physical Education
Rogers, Lelia	B.S.	Home Economics
Ross, Allie Mura	B.S.	Home Economics
Ross, Gwendolyn Lunola	B.A.	Music
Sadberry, Carolyn J.	B.S.	Home Economics
Sanders, Verna Raye	B.S.	Home Economics
Sargent, Emory Rochelle	B.S.	Agriculture
Sargent, Jr., Ernest C.	B.S.	Agriculture
Scruggs, James Milton	B.S.	Biology
Shannon, Evelyn Lois	B.A.	Business Administration
Sims, Ida Ruth Moore	B.S.	Home Economics
Smith, Edna Marie	B.S.	Biology
Smith, Edith Caruth	B.A.	Business Administration
Smith, Gertrude Berry	M.S.	Elementary Education
Smith, Lavern	B.S.	Agriculture
Sneed, Bernice G.	B.S.	Home Economics
Solomon, James Meleager	B.S.	Physical Education
Starr, Helen Marie	B.S.	Home Economics
Stein, Martha Georgia	B.S.	Home Economics
Stein, LaJoie	B.A.	Business Administration
Stephens, Evia Campbell	B.S.	Home Economics
Stewart, Charlene T.	B.A.	Business Administration
Stewart, Eva Mae	B.S.	Home Economics
Stoney, Raymond	B.S.	Industrial Education
Tarver, Golden Henrietta	B.S.	Education
Tatum, James Lewis	B.A.	Music
Thompson, Jr., Buford	B.A.	History
Twine, Elizabeth	B.A.	Sociology
Vonner, Quinton R.	B.S.	Agriculture
Wade, Murline Drummer	B.S.	Home Economics
Walker, Jr. Albert	B.S.	Industrial Education
Wells, Jr., Cameron Salter	B.S.	Biology
Wiley, Ollie Mae	B.S.	Home Economics
Williams, Arster Nell	B.A.	Business Administration
Williams, Jr., Cleveland	B.S.	Agriculture
Williams, Ida Maye	B.S.	Home Economics
Williams, James N. E.	B.S.	Agriculture
Williams, Jr., John H.	B.S.	Agriculture
Williams, Laura Louise	B.S.	Physical Education
Wills, Alice Louise	B.S.	Home Economics
Wilson, Faris A.	B.S.	Agriculture
Wilson, Nancy E.	B.S.	Physical Education
Wilson, Sherman Samuel	M.S.	Biology
Woods, Leon Alexander	M.S.	Biology
Wright, Ethel Lucel	B.S.	Home Economics
Wright, Thurman Roscoe	B.A.	Music

CERTIFICATES OF PROFICIENCY

May, 1951

NAME	TRADE SPECIALITY
Brown, Adolphus Nathaniel	Tailoring and Garment Making
Charleston, Cube	Printing
Davis, Clarence Allen	Automobile Mechanics
Davis, Jr., H. R.	Automobile Mechanics
Dorsey, Jr., Haywood	Tailoring and Garment Making
Epperson, Fred Sledge	Woodwork
Goodlow, Charles Arthur	Radio Technology
Glenn, Leon	Automobile Mechanics
Lawrence, Billy Adolphus	Masonry
Mitchell, Maceo Denorise	Machine Shop
Muckelroy, Roy R.	Carpentry and Cabinet Making
Richmond, Winifred Usher	Woodwork
Ritcherson, Jr., Solon	Woodwork
Roberts, Judson	Carpentry and Cabinet Making
Sanders, Lynn B.	Radio Technology
Stubblefield, Tobias E.	Automobile Mechanics
Waddleton, Elastus	Electrical Repair and Maintenance and Radio Technology
Waddleton, Ozell	Plumbing
White, Jake	Plumbing
Williams, Jr., Alton Benjamin	Painting and Interior Decoration
Woodson, Jr., Grady	Automobile Mechanics

SUMMARY OF DEGREES, DIPLOMAS, AND CERTIFICATES

May, 1951

	Male	Female	Total
Bachelor of Arts	11	25	36
Bachelor of Arts in Music	2	11	13
Bachelor of Science	15	6	21
Bachelor of Science in Agriculture	24	0	24
Bachelor of Science in Education	0	12	12
Bachelor of Science in Home Economics	0	36	36
Bachelor of Science in Industrial Education	8	0	8
Master of Arts	2	0	2
Master of Science	8	2	10
Trade Certificate	22	0	22
Total	92	94	186

NAMES OF GRADUATES

August, 1951

Alexander, Carrie L. W.	B.S.	Education
Alfred, Minnie Leatrice	B.S.	Mathematics
Allen, Donald Webster	M.Ed.	Administration
Allen, Malone	M.Ed.	Administration
Allums, Lorene Williams	B.S.	Home Economics
Amie, Edwin Paul	B.S.	Biology
Ammons, Oliver Seay	M.Ed.	Elementary Education
Anderson, Dessie Mae	M.S.	Elementary Education
Anderson, George	M.Ed.	Administration
Anderson, Samuel Kirby	B.S.	Agriculture
Anthony, Vernon Augustus	M.Ed.	Administration
Antwine, Clara R.	B.S.	Home Economics
Armstrong, Eva	M.Ed.	Elementary Education
Barnes, Ida G. Williams	B.S.	Home Economics
Barrett, Otrie Bertram	B.S.	Biology
Batts, Fred D.	M.S.	Administration
Bell, Ulysses Simpson	M.Ed.	Industrial Education
Bess, Birdie Mae	M.Ed.	Elementary Education
Blanche, Mary Turner	M.S.	Administration
Blanton, Hattie Mae	B.S.	Home Economics
Boozer, Floyd Edison	M.S.	Agricultural Economics
Boudreaux, Gertrude Simpson	M.Ed.	Administration
Bradford, Waurine Doris	B.S.	Education
Bradley, Eddie M. R.	M.S.	Administration
Briscoe, Hattie Ruth	M.S.	Administration
Brooks, Mart A.	B.S.	Agriculture
Brown, Roy Lee	B.S.	Agriculture
Browning, Johnnie Mae	B.S.	Home Economics
Cade, Harold Edward	M.Ed.	Supervision
Caraway, Gwendolyn	B.S.	Education
Carter, Mary Heads	M.Ed.	Administration
Champion, Clyde C.	M.Ed.	Administration
Clark, Nina Mae	B.A.	Business Administration
Cleveland, Erie Milan	M.Ed.	Elementary Education
Cobb, Louise Reddie	M.Ed.	Elementary Education
Coleman, John Miller	B.S.	Biology
Coleman, Vernon	B.S.	Industrial Education
Cotton, Walter F.	M.S.	Administration
Cox, Lorene Marie	B.S.	Education
Crawford, Carl T.	B.S.	Agriculture
Culberson, Jr., Arthur	B.S.	Agriculture
Cunningham, Iney Clark	M.Ed.	Agricultural Education
Cunningham, Irene Dixon	M.Ed.	Elementary Education
Dailey, Hazel Ernestine	M.S.	Administration
Davis, Lee J.	B.A.	Business Administration
Davis, Lillie L.	M.S.	Home Economics
Davis, Rosalind Marie	P.S.	Education
Davis, William Marion	M.Ed.	Administration
Dobbins, Hettie Catley	B.S.	Education
Douglas, Alfred F.	M.S.	Agriculture Education
Douglass, Aubrey Hickey	M.Ed.	Elementary Education
Dunlap, Johnnie Lloyd	M.Fd.	Administration
Dunn, Gladys B. Mitchell	B.S.	Education

Edwards, Geraldine A.	B.A.	Business Administration
Ellis, Claude Alvin	B.S.	Industrial Education
Ellis, Hasko Vintry	M.S.	Agricultural Economics
English, Clark Pickett	B.A.	Business Administration
Epperson, Fred Sledge	B.S.	Industrial Education
Eugene, Admonia M.	M.Ed.	Administration
Evans, Mose Williams	M.Ed.	Administration
Fenet, John W.	M.Ed.	Administration
Fields, Harold Dock	M.Ed.	Administration
Fields, Vernon C.	B.S.	Education
Floyd, Charles Lewis	B.S.	Agriculture
Fontenot, Walter Paul	M.Ed.	Administration
Frank, Ozni Biner	B.A.	Music
Franklin, Augustine	B.A.	Business Administration
Franklin, Clarence Lewis	M.S.	Administration
Frazier, Lodie Henderson	M.A.	Music
Gaines, Hobart Leroy	M.Ed.	Administration
Garrett, A. D.	B.S.	Agriculture
Gates, Bertha Lee	B.S.	Education
Gerald, Delores Fay	M.Ed.	Elementary Education
Givens, Clarence	B.A.	Business Administration
Glass, Sally Mae	B.S.	Education
Glover, Theodore Voyland	M.Ed.	Administration
Gray, Annie Mary	M.Ed.	Elementary Education
Greene, Roscell C.	B.S.	Physical Education
Gregory, Robert Lee	M.Ed.	Elementary Education
Greggs, Delroy	B.S.	Agriculture
Hackett, Daisy Pearl	M.Ed.	Elementary Education
Hamlet, Ella Jewel P.	B.S.	Business Administration
Harrison, Meatra	M.Ed.	Administration
Harrison, Meatra Devera	M.Ed.	Home Economics
Hayes, Alvin L.	B.S.	Industrial Education
Haywood, Robert J.	B.S.	Agriculture
Hendrix, James Buford	B.S.	Agriculture
Hennington, Samuel H.	M.Ed.	Administration
Herndon, Kathryn Wade	M.Ed.	Elementary Education
Hill, Audrey M.	B.S.	Education
Hill, Eulalia Montgomery	M.Ed.	Home Economics
Hill, Garfield	M.Ed.	Administration
Holmes, Jr., Henry	B.A.	Music
Howard, Jake E.	B.S.	Architectural Engineering
Howard, Minnie Ola	B.S.	Education
Hudson, Betodia Alexander	M.S.	Elementary Education
Hunter, Cornelius	B.S.	Agriculture
Jackson, Eugenia Butler	M.Ed.	Elementary Education
Jackson, Jr., Timothy W.	B.S.	Agriculture
Jackson, Ulaya Pipkin	B.S.	Home Economics
Jackson, Velma Marie	B.S.	Education
Jessie, Lovie Odell	B.S.	Agriculture
Johns, Clarence Albert	M.Ed.	Administration
Johns, Willia Maxine	M.S.	Home Economics
Johnson, Eddie P.	B.S.	Physical Education
Johnson, Estella Sells	M.Ed.	Elementary Education
Johnson, Gertrude B.	B.S.	Education
Johnson, Lucille Mildred	M.Ed.	Elementary Education
Jones, Alfred P.	B.S.	Agriculture
Jones, Annie R. Ferguson	B.S.	Education
Jones, Cleo Paul	B.A.	Business Administration
Jones, Emmitt	B.S.	Agriculture
Jones, William Everett	M.Ed.	Industrial Education
Kendrick, Alvin Jewel	B.S.	Industrial Education
Kendrick, Laholman L.	B.S.	Industrial Education
Kennard, Annie Mae	M.Ed.	Elementary Education
Kerr, Beatrice E. R.	B.S.	Home Economics
Kerr, Emmett Burnett	B.S.	Education
Kissarn, William Lowell	M.S.	Agriculture Education
Knotts, Weldon Vernel	B.A.	Business Administration
Knox, Mable E. Wells	M.Ed.	Elementary Education
Lee, Gloria Mae	B.A.	English
Lee, Robert E.	B.S.	Biology
Lewis, Dorothy Mae	B.S.	Home Economics
Lewis, Ester Ruth	M.Ed.	Home Economics
Lilly, Amos	B.S.	Agriculture
Lister, Ruby Mae	B.S.	Education
Littles, Elespite	B.A.	History
Locus, Elsworth	B.S.	Agriculture
Logan, William Davis	M.Ed.	Administration
Love, Clara Belle	B.S.	Physical Education
Love, Jernell Wright	M.S.	Education
Major, Allie Payne	M.A.	Music
Mathis, Claude C.	B.S.	Physical Education
Matthews, Nella Ector	B.A.	English

McCann, Lillian L.	B.S.	Education
McCann, Lois	M.Ed.	Administration
McCarter, Barbara	B.S.	Education
McClure, Mayme Nell B.	B.S.	Education
McDonald, Falonia	M.Ed.	Administration
McGee, Cecil J.	M.S.	Education
McKinney, Gloria	B.S.	Home Economics
Mark, Bernice Porter	M.S.	Administration
Marshall, Mattie Clara DeBlanc	M.S.	Elementary Education
Medlock, Elmer Richard	B.A.	Sociology
Mercer, Berry Joyce	B.S.	Industrial Education
Micheaux, Magnolia J.	B.S.	Physical Education
Miles, Jimmie Fred	B.A.	History
Miller, Webster T.	M.S.	Administration
Mitchell, Charles S. R.	B.S.	Economics
Mitchell, Pansy S.	B.S.	Physical Education
Mitchell, Willie	M.S.	Physiology
Montgomery, Samuel	B.S.	Agriculture
Moore, Alberta J.	M.Ed.	Elementary Education
Moore, Elsie M.	B.S.	Education
Moore, Robert Lee	B.A.	History
Moore, Zadie Beatrice	M.S.	Administration
Morris, Murrell Lee	M.S.	Physical Education
Morton, Joycelyn Ramona	B.S.	Education
Mosley, Ceola Lavern	B.S.	Education
Mosley, T enola Roberts	M.Ed.	Elementary Education
Muckleroy, Mattie Lee	M.Ed.	Administration
Mundine, Ruth Upton	M.A.	Music
Nealy, Annie Ruth	B.S.	Home Economics
Neuman, Fayrene	B.S.	Education
Nunley, Ophelia F.	B.S.	Home Economics
Otoot, J. Murl A.	B.S.	Agriculture
Outland, Robert Daniel	B.S.	Agriculture
Payton, Ethel Bernice	B.A.	Business Administration
Perkins, Lee Ester	M.A.	Economics
Perkins, R. J.	B.S.	Agriculture
Pettie, Henry	M.Ed.	Industrial Education
Petty, Grayson Richard	M.Ed.	Industrial Education
Phillips, James	B.S.	Agriculture
Phillips, Odie Lee	B.S.	Education
Pipkin, Annie Viola	B.S.	Physical Education
Pouncy, Mitchell Louis	B.A.	History
Powell, Myrtle Eulah	M.Ed.	Elementary Education
Pugh, Lawrence H.	B.S.	Mathematics
Ragsdale, Opal Martha	M.Ed.	Elementary Education
Randall, Elmer	M.S.	Physical Education
Rhambo, Olivia Virginia	M.Ed.	Elementary Education
Richardson, Birdie Baker	B.A.	English
Ricks, Geneva Louise	B.S.	Home Economics
Roberts, Johnnie Dillon	M.S.	Physical Education
Robinson, Augusta Sue	B.S.	Home Economics
Rose, Wallace	B.S.	Agriculture
Sadberry, Alonzo Jerome	M.S.	Administration
Sadberry, Oliver W.	M.Ed.	Administration
Sanders, Irene Cox	B.A.	English
Scott, Cleopatra	B.S.	Physical Education
Scott, Judge Jerome	B.S.	Agriculture
Scott, Ray C.	B.S.	Physical Education
Shepard, Walterene	B.S.	Home Economics
Smith, Clarabell Dickens	B.A.	Business Administration
Smith, Jr., Doyle S.	B.S.	Agriculture
Smith, Rosa Malone	M.S.	Elementary Education
Smith, Zora M.	M.Ed.	Home Economics
Sowell, Jerlene	B.S.	Home Economics
Spencer, Isaac	M.Ed.	Administration
Spigner, Willie Daniel	M.Ed.	Administration
Stewart, Charles Edward	M.Ed.	Administration
Stewart, Geneva Terrell	M.Ed.	Administration
Steward, L. V.	B.S.	Agriculture
Stubblefield, Walter E.	B.S.	Agriculture
Tallie, Glasco B.	B.S.	Education
Taylor, Ethel Lee Turner	M.Ed.	Elementary Education
Taylor, Verdine Alvin	B.A.	Business Administration
Thomas, Annie Beaver	M.Ed.	Elementary Education
Thomas, Harvey Leroy	M.Ed.	Administration
Thomas, Tessye Bell	M.Ed.	Elementary Education
Thomas, Rose Marie	B.S.	Education
Towsend, Mary Ella	B.S.	Education
Traylor, Earlie Marie	B.S.	Home Economics
Turner, Ruby Lee Y.	M.S.	Elementary Education
Turner, Wilbur	M.S.	Agricultural Economics
Tutt, Louise Inez	B.S.	Biology

Tyler, Johnnie Mae	M.Ed.	Elementary Education
Venters, Rufus	M.A.	Sociology
Waddy, Maggie Mae	M.S.	Home Economics
Wade, Lillian Henry	M.S.	Elementary Education
Walker, Harold Lloyd	M.Ed.	Administration
Walker, Johnny Marco	B.S.	Physical Education
Wardell, Mae Etta D.	B.S.	Education
Washington, Joe D.	B.S.	Physical Education
Washington, Jordan T.	B.S.	Physical Education
Washington, Ruthie Mae	M.S.	Elementary Education
Watson, Bridget	M.Ed.	Elementary Education
Wheat, Edwin Engram	M.Ed.	Administration
Whitaker, Jr., Ben	B.S.	Agriculture
White, Velmer Mae	B.S.	Education
Willhite, Oscar Eugene	M.Ed.	Administration
Willard, Faye Durden	B.S.	Education
Williams, Barbara D.	B.S.	Music
Williams, Brenette	B.S.	Home Economics
Williams, Cecil	B.S.	Agriculture
Williams, Elzie Roscoe	M.S.	Administration
Williams, Estella E.	B.S.	Physical Education
Williams, Frederick Douglas	M.Ed.	Administration
Williams, Josie Brown	M.S.	Home Economics
Williams, Ora Lee	M.Ed.	Administration
Wilson, Charles Emily	M.Ed.	Elementary Education
Wilson, Lois M. Brown	M.Ed.	Elementary Education
Wilson, Sarah Ann	M.S.	Home Economics
Woodfork, Irvin Hughes	M.Ed.	Administration
Woods, Georgia Elneeda	B.S.	Home Economics
Woodson, Aurva Jean	B.S.	Home Economics
Wright, Clinton	B.S.	Agriculture
Yancy, Doris Brooks	M.S.	Elementary Education

NURSING DIPLOMA

August, 1951

Burnett, Freddie Mae
Carson, Eilon Frances
Frazier, Dessor Ree
Hart, Julia Ann

Harvey, Pearl Virginia
Henry, Edith Janett
Thompson, Verlene A.

Touchstone, Evelyn
Willis, Bessie Mae
Wyche, Mary Elizabeth

CERTIFICATE OF PROFICIENCY

August, 1951

NAME	TRADE SPECIALTY
Kendrick, Laholma L.	Tailoring and Garment Making
Epperson, Fred	Carpentry

SUMMARY OF DEGREES,

DIPLOMAS, AND CERTIFICATES

August, 1951

Bachelor of Arts	12	10	22
Bachelor of Arts in Music	1	2	3
Bachelor of Science	12	8	20
Bachelor of Science in Agriculture	30	0	30
Bachelor of Science in Architectural Engineering	1	0	1
Bachelor of Science in Education	0	31	31
Bachelor of Science in Home Economics	0	19	19
Bachelor of Science in Industrial Education	6	1	7
Master of Arts	1	4	5
Master of Education	35	40	75
Master of Science	16	20	36
Nursing Diploma	0	10	10
Trade Certificates	2	0	2
Total	116	145	261

SUMMARY OF ENROLLMENT

FIRST SEMESTER, 1951-52

(Include 172 Veterans)

	Agri.		A&S		H. Eco.		Engr. Nur. Ed.			Total Combined		Total
	M	F	M	F	M	F	M	F	M	F	F	
Graduate	5	16	12		2		1		1			37
Seniors	56	85	141		65		29	1	14			391
Juniors	34	96	170	1	44		28	3	27			408
Sophomores	44	131	263		69		48					555
Freshmen	75	249	436		93		92		80			1025
Unclassified		4	4		2		1					11
Special		2	1		1		3	1				8
Trade I 1st Year							4	6				10
Trade II 2nd Year								1				1
Total	214	583	1027	1	276		206	12	122	1004	1437	2441

SECOND SEMESTER, 1951-52

(Include 134 Veterans)

	Agri.		A&S		H. Eco.		Engr. Nur. Ed.			Total Combined		Total
	M	F	M	F	M	F	M	F	M	F	F	
Graduate	9	18	12		2							41
Seniors	49	77	128	1	49		22	2	13			341
Juniors	31	93	161		42		23	1	25			376
Sophomores	42	122	234		62		43	2				505
Freshmen	68	228	408		82		73	7	55			921
Unclassified		3	1		2							6
Special		4	7				6	3	1			21
Trade I 1st Year					1		6					7
Trade II 2nd Year							2					2
Total	199	545	951	1	240		175	15	94	920	1300	2220

ENROLLMENT WITHOUT DUPLICATION, 1951-52

	Agri.		A&S		H. Eco.		Engr. Nur. Ed.			Total Combined		Total
	M	F	M	F	M	F	M	F	M	F	F	
Graduate	9	18	12		2		1		1			43
Seniors	56	89	148		67		29	2	14			405
Juniors	35	98	174	1	44		28	3	27			410
Sophomores	45	132	265		69		48	2				561
Freshmen	78	266	468		95		92	7	80			1086
Unclassified		4	4		2		1					11
Special		4	7		1		6	3	1			22
Trade I 1st Year							7	6				13
Trade II 2nd Year							2	1				3
Total	223	611	1078	1	280		214	24	123	1049	1505	2554

ENROLLMENT FIRST TERM SUMMER 1951

	Agri.		A&S		H. Eco.		Engr. Nur. Ed.			Total Combined		Total
	M	F	M	F	M	F	M	F	M	F	F	
Graduate	103	249	602		112		28	5	1			1100
Seniors	65	69	149		56		22	1	13			375
Juniors	18	51	76		30		18		13			206
Sophomores	7	26	63		13		7	1	18			135
Freshmen	5	23	19		8		16		2			73
Unclassified	14		4		4							22
Special	16	12	26		14		9		1			78
Total	223	430	939		237		100	7	48	758	1231	1989

ENROLLMENT SECOND TERM SUMMER 1951

	Agri.		A&S		H. Eco.		Engr. Nur. Ed.			Total Combined		Total
	M	F	M	F	M	F	M	F	M	F	F	
Graduate	64	374	202		65		18					722
Seniors	42	65	132		45		18		11			313
Juniors	14	47	60		23		18		2			164
Sophomores	9	23	40		9		9		19			58
Freshmen	4	20	15		11		6		2			58
Unclassified	3	16	8		5		6					38
Special							2					2
Total	136	544	457		158		77		34	757	649	1406

ENROLLMENT WITHOUT DUPLICATION—SUMMER 1951

	Agri.		A&S		H. Eco.		Engr.		Nur. Ed.		Total	Combined	Total
	M	F	M	F	M	F	M	F	M	F			
Graduate	138	290	694	134	30	5	458	834	1292				
Seniors	67	79	165	63	23	1	169	250	419				
Juniors	18	59	83	35	19		96	132	228				
Sophomores	9	29	65	63	7	1	45	129	174				
Freshmen	6	31	22	19	17		54	67	121				
Unclassified	14		4	4			14	8	22				
Special	18	22	29	14	20		60	44	104				
Total	270	510	1065	332	116	7	896	1464	2360				

DIVISION OF GRADUATE STUDY

ADMINISTRATION

Administration of the Graduate Division is under the direction of the Committee on Graduate Study, which determines policies and administers them through its Chairman. Students seeking the Master's Degree are governed by the general rules of the catalogue and their work is under the general supervision of the Committee on Graduate Study.

ADMISSION TO THE GRADUATE DIVISION

Applicants for admission to the Division of Graduate Study should submit a regular application blank properly executed at least thirty days prior to the opening of the session in which they wish to register. This is to be accompanied by an official transcript of undergraduate work completed.

Students are admitted by the Committee on Graduate Study, acting through the Chairman, to whom application should be made. For admission to the Division of Graduate Study an applicant must have received his baccalaureate degree from a senior college of recognized standing.

Graduates of such institutions who have met the prerequisite requirements of the departments or divisions in which they wish to major are customarily accepted as graduate students in full standing if they graduated in the upper 50 per cent of their class while carrying an undergraduate program with a normal distribution of courses. All cases are considered on an individual basis. This includes a study of the courses taken and the grades made, which should average "B" or above at least in the junior-senior years of the undergraduate curriculum.

Students not eligible to admission in full standing as prospective candidates on probation or as Graduate Special students may be permitted to take individual courses with the approval of the instructors concerned.

GRADUATE WORK BY SENIORS

A senior in this College who lacks six semester hours or less of having completed the requirements for the undergraduate

degree may, with the approval of his undergraduate dean and the Chairman of the Committee on Graduate Study, register for graduate courses, not to exceed six semester hours, while completing his undergraduate requirements. If graduate credit is desired for any part of the work carried, the combined load of graduate and undergraduate courses must not exceed 15 semester hours.

Seniors who wish to register for graduate courses may apply to the Chairman of the Committee on Graduate Study for information as to procedure.

FELLOWSHIPS

Prairie View Agricultural and Mechanical College offers ten graduate fellowships with a stipend of \$500.00 each, for the encouragement of research and advanced study.

The primary object of these appointments is to stimulate research and not to give pecuniary aid. The award is paid in twelve equal monthly installments and does not include a remission of college fees. The appointments are made for one year only, but application may be made for their renewal.

These fellowships are open to students who hold bachelor's degrees from colleges or universities in good standing. No student should apply for one of these awards who does not cherish a real and earnest desire to do a good quality of research and graduate work.

Forms for making application may be secured from the Dean of the Graduate School.

REQUIREMENTS FOR THE DEGREES OF MASTER OF ARTS, MASTER OF SCIENCE, AND MASTER OF EDUCATION

Graduates of Prairie View Agricultural and Mechanical College or of any other college of approved standing may, on the satisfactory completion of an approved program of study, receive the degree of Master of Arts, Master of Science, or Master of Education. The degree received will depend upon the field of subject matter emphasized at the graduate and undergraduate level.

The requirements for the degree are :

1. Admission to Candidacy—

A graduate student enrolled in the Division of Graduate Study does not automatically become a candidate for the Master's degree. To become a candidate, the student must complete the following requirements:

- a. A candidate must be accepted by the departments in which the major and minor work are to be performed. A student to be considered for admission to candidacy for the Master's degree must present evidence of satisfactory preparation for graduate study in the fields chosen. The general undergraduate record, the record in the fields selected for graduate study, and the record on the graduate work completed will be considered in determining admission to candidacy. As further evidence of satisfactory preparation, the major department may require the candidate to pass a qualifying examination.
- b. The prerequisites for the Master of Education degree are eighteen semester hours and two years of teaching experience.
- c. 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 the degree is to be conferred.

2. Residence—

At least a full academic year or the equivalent must be spent in residence and a minimum of thirty semester hours be earned at Prairie View. A student shall not present himself for graduation until he has six months' residence to his credit after the date on which the Graduate Faculty approved his candidacy for an advanced degree.

3. Course Requirements—

- a. A minimum of thirty semester hours, exclusive of thesis, with an average grade of "B," or better in courses approved for graduate credit, is required for the degrees of Master of Arts and Master of Science.
- b. Thirty-six semester hours of course work are required for the degree of Master of Education.
- c. Ordinarily, at least twenty semester hours of graduate work in the major field and ten semester hours in the minor field will be required.
- d. Not more than one workshop, two extension courses, two institutes, or a total of six semester hours in any combination of these may be counted toward the Master's degree.

4. Transfer of Credit—

Credit obtained in a different, but recognized institution, not exceeding six semester hours, may be transferred and credited to the Master's degree, provided that the work was of graduate character and provided that acceptance of the transferred credit does not reduce the minimum residence period of one academic year. Transfer of advanced credit is not made unless requested by the student in a letter to the Director of Graduate Study. Such a transfer of credits from another institution to apply in partial fulfillment of the requirements for the Master's degree must be approved by the Graduate Committee.

5. Extension and Correspondence Courses—

A student who has satisfied requirements for admission to the Division of Graduate Study may receive credit toward the Master's Degree for extension courses, subject to the following conditions: (1) graduate credit will be given only for courses approved by the Committee on Graduate Study; (2) the courses fit in with the student's program of study; and (3) graduate credit for extension courses shall not exceed six semester hours and shall not reduce the residence requirement for the degree.

Correspondence work is not accepted for graduate credit. With the consent of the department concerned, a student may take work by correspondence to remove deficiencies in his undergraduate training.

6. Quality of Work—

A candidate must maintain at least a "B" average in all work taken in graduate study. Not more than 6 semester hours of work of "C" grade will be accepted as a part of the minimum requirement for the Master's Degree.

7. English Usage Requirement—

A student who is deficient in English usage but who is otherwise doing satisfactory work will be required to satisfy the committee on English Usage with regard to his use of the English language, before he is allowed to graduate. Such deficiency might be determined by an English Usage Examination or by reports of instructors of courses in which a student is registered.

8. Foreign Language Option—

At the option of the head of the department in which the major work is done, a reading and working knowledge of French, German, or Spanish may be required to complete the requirements for the Master of Arts Degree.

9. Thesis—

- a. In addition to the thirty semester hours in graduate courses all candidates for the degrees of Master of Arts and Master of Science must present an acceptable thesis on a subject germane to the major course of study. The thesis must be written under the direction of a member of the faculty of the Graduate Division in the department in which the individual is working. The thesis must have the approval of each member of the student's reading Committee. This work must be acceptable with respect to both scholarship and literary quality. A candidate for an advanced degree must have his thesis subject approved by his Chairman at least six months before the date he expects it to 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, doubled-spaced on a durable rag bond, 8 1-2 x 11 inches, leaving the left hand margin at least an inch and a quarter wide, the right hand margin at least three-quarters of an inch. Set up the title page according to the following form:

TITLE OF THESIS

A Thesis

Presented to the Graduate Division

of Prairie View Agricultural and Mechanical College

In Partial Fulfillment of the

Degree of

Master of _____

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.

- b. All candidates for the degree of Master of Education are required to enroll in a seminar in connection with which a seminar paper will be written in specially prepared form approved in writing by the instructor in charge of the seminar. This paper shall deal with a topic in the student's major field of concentration.

10. Application for the Degree—

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

11. Final Examination—

After the thesis has been completed and filed with the Graduate Office, the candidate is required to pass a general comprehensive examination which shall be a test of the candidate's knowledge of the study which he has mainly pursued. This examination may be written or oral or both. This general examination is conducted by the Student's Advisory Committee of which the representative of the major field shall act as Chairman, and at least two other examiners to be appointed by the Director of the Graduate School, after consultation with the Advisory Committee. Any member of the Graduate Faculty may attend the examination as a visitor.

A candidate who fails in his general examination must register in the Graduate School and carry work for an additional semester before an opportunity will be given for a second examination, unless special permission is granted by the Committee on Graduate Study for an earlier examination and the request of the department concerned.

12. Recommendation for the Degree—

Upon completion of all requirements for the Master's Degree, candidates are certified for graduation by the Chairman of the Committee on Graduate Study. Degrees are publicly conferred at the close of the regular and the summer sessions.

Time Limit on Work for Master's Degree

A student must complete his master's work within six consecutive years after his first enrollment in the Graduate Division.

Grading System for Graduate Students

Course work of graduate students is reported as "A" (95-100); "B" (85-94); "C" (75-84); "D" (65-74); "F" (below 65); "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. An "A" grade from another institution, or earned in extension courses, may not be used to validate a grade of "C" earned in this college.

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

Majors and Minors may be selected in the following fields:

Administration and Supervision	Extension Education
Agricultural Economics	History
Agricultural Education	Home Economics Education
Biology	Industrial Education
Chemistry	Mathematics
Economics	Music
Education	Physical and Health Education
Elementary Education	Political Science
Engineering	Rural Education
English	Social Science
	Sociology

For further information regarding course offerings on the graduate level write to the Office of the Registrar or the Office of Graduate Study.

SCHOOL OF AGRICULTURE

AGRICULTURAL ECONOMICS

The prerequisite for majoring in Agricultural Economics is the Bachelor of Science Degree in Agriculture from a recognized college of Agriculture.

To fulfill the requirements for a major in this field, one must complete at least twenty semester hours of work in Agricultural Economics. For the minor, the student is required to complete at least ten semester hours of work in the minor field agreed upon in consultation with the major professor and approved by the Dean. However, if it becomes necessary, the hours required in the major and minor fields may vary to the extent of two or three hours accumulated in either field. In such a case, the total hours must amount to thirty or more.

513. AGRICULTURAL FINANCE. (3-0) *Credit 3*. Financial requirements of individual farmers; emphasis placed on credit institutions serving the farmers. Prerequisite: Principles of Agricultural Economics.

523. MARKETING OF FARM PRODUCTS. (3-0) *Credit 3*. Study of the principles underlying successful marketing of farm products; study made of various middlemen through which farm products pass from the producer to the consumer; trips arranged for the class to visit and study markets. Prerequisite: Principles of Agricultural Economics.

552. AGRICULTURAL ECONOMICS SEMINAR. (2-0) *Credit 2*. Current problems in Agricultural Economics discussed; topics reported by students.

713. ECONOMICS OF AGRICULTURAL PRODUCTION. (3-0) *Credit 3*. Principles of production economics applied to production of major farm products in various areas; economic geography and agriculture, national production programs and the tariff on agricultural products. Prerequisite: Principles of Agricultural Economics.

723. COOPERATIVE MARKETING OF FARM PRODUCTS. (3-0) *Credit 3*. Principles underlying the successful operation of cooperative marketing organizations; examples of successful fruit, vegetable, livestock and cotton marketing associations.

733. ADVANCED FARM MANAGEMENT. BUSINESS ORGANIZATION OF TEXAS FARMS. (3-0) *Credit 3*. Use of farm management principles in the organization and operation of Texas Farms; selecting farms, farm enterprises; planning cropping systems, equipment needs, and capital trips to representative farms by the class. Prerequisite: Principles of Agricultural Economics.

743. LAND TENURE AND PROBLEMS. (3-0) *Credit 3*. Land as a factor of production, land utilization, tenure and income. Prerequisite: Principles of Agricultural Economics.

763. AGRICULTURAL LAND USE PLANNING. LOCAL, REGIONAL AND NATIONAL. (3-0) *Credit 3*. County, state regional and national land use programs. Submarginal, and supermarginal lands; work of the Farm Security Administration, Department of the Interior, and National Resources Board.

AGRICULTURAL EDUCATION

Undergraduate work equivalent to the Bachelor of Science degree in Agriculture is required.

501 or 502. AGRICULTURAL EDUCATION SEMINAR. (1-0 or 2-0) *Credit 1 or 2*. Designed for all graduate students having majors in Agricultural Education. Only candidates for an advanced degree are eligible to take this course.

513. METHODS OF CONDUCTING PART-TIME AND EVENING SCHOOLS IN VOCATIONAL AGRICULTURE. (3-0) *Credit 3*. Teaching Vocational Agriculture. Permission of instructor is required. An analysis of the problems related to part-time and evening schools in Vocational Agriculture and to the development of objectives and procedures in the organization and conduct of such instruction.

523. SUPERVISED PRACTICE PROGRAM BUILDING. (3-0) *Credit 3*. Teaching in Vocational Agriculture. Permission of instructor is required. Based upon researches in project accounting and analysis.

533. EXTENSION ORGANIZATION AND PROGRAM DETERMINATION. (3-0) *Credit 3*. Best procedure to be followed in developing state, county, and community programs of work, and outlining of plans of work looking to the orderly development of specific projects; discussion of the place of local leaders in extension teaching; representative organizations of rural

people studied for the purpose of discovering points of contact and interest for cooperation in the conduct of extension work.

543. EXTENSION METHODS. (3-0) *Credit 3*. Aims and objectives of extension teaching and possible ways of measuring accomplishments reviewed and critically analyzed; various means and agencies employed in extension teaching as result of demonstrations, method demonstrations, meetings, news articles, personal services, bulletins, exhibits, and circular letters; evaluated from the standpoint of their teaching functions, adaptability, relative influence, cost, inter-relationship and general effectiveness.

553. ORGANIZATION AND CONDUCT OF 4-H CLUB WORK. (3-0) *Credit 3*. Development of 4-H Club programs and organization: objectives; psychological groupings; community integration; program content; community, county, state, and Federal organization, selection and use of local leaders, annual plans of work, evaluation; methods employed in 4-H work: projects, club meetings, demonstrations, judging work exhibits, achievement days, camps, short courses, and leadership training.

562-563. SPECIAL PROBLEMS IN HOME ECONOMICS EXTENSION. (2-0 or 3-0) *Credit 2 or 3*. Extension research and other data of special significance to the organization and conduct of extension work with rural women; current problems of home demonstration workers.

571 and 571-B. YOUNG FARMER PROBLEMS I AND YOUNG FARMER PROBLEMS II. (1-2) *Credit 1*. A correlate to 572 and 622; given on an un-assembled basis for teachers in service who are enrolled in either Agricultural Education 572 or 622. The classroom instruction in these two courses is followed up on an individual enrollee on-the-job basis.

572. METHODS OF WORKING WITH OUT-OF-SCHOOL GROUPS. (1-2) *Credit 2*. Special techniques for working with young-farmer and adult-farmer groups on farm and community problems; integration of such work into the total program of Agricultural Education in the community.

Ag. Ed. 613. HISTORY AND PHILOSOPHY OF EXTENSION EDUCATION. (3-0) *Credit 3*. Development of Agricultural Extension Education; socio-economic influence responsible for the establishment of extension education; development of agricultural policy that has a bearing on the philosophy of extension education.

622. SUPERVISED FARMING PROGRAM BUILDING FOR OUT-OF-SCHOOL GROUPS. (1-2) *Credit 2*. Enterprise planning, accounting and analysis; selecting and developing over-all supervised farming programs with special reference to working with young-farmer and adult-farmer groups.

Ag. Ed. 623. PUBLIC RELATIONS AND EXTENSION EDUCATION. (3-0) *Credit 3*. Methods and practices of acquainting the public with the scope and purposes of extension work through print, radio, visual aids, and full use of written and spoken word.

Ag. Ed. 633. PSYCHOLOGY FOR EXTENSION WORKERS. (3-0) *Credit 3*. Significance of psychology to extension workers in relation to its meaning, the job of the extension worker, the meaning of education and of teaching; problem of motivation; nature of learning; basic principles and major types of learning; and conditions favorable for learning.

Ag. Ed. 643. EXTENSION WORK EVALUATION. (3-0) *Credit 3.* Measuring results of extension work; sampling procedures, analysis and interpretation, and presentation and use of data in reference to study plans; methods of systematically appraising extension work.

712. or 713. PROBLEMS IN AGRICULTURAL EDUCATION. (2-0) or (3-0) *Credit 2 or 3.* Community-program approach to agricultural problems; scientific approximation of aims, objectives and standards; participation in field experiences and field research.

722 or 723. PRINCIPLES OF TEACHING METHODS IN AGRICULTURAL EDUCATION. (2-0 or 3-0) *Credit 2 or 3.* Logical and psychological bases for selecting methods of teaching agriculture.

SPECIAL NOTE.—*Majors in Agricultural Education will be advised to select additional courses in the field of Rural Education.*

AGRICULTURAL ENGINEERING

513. FARM STRUCTURES. *Credit 3.* The design and detail of construction of farm buildings; functional requirements and characteristics of materials; principles of sanitation, ventilation and water supply.

523. FARM SHOP WORK FOR TEACHERS. *Credit 3.* Presentation of purpose, plans and equipment of shops; organization of course of study; and, methods of teaching farm shop work in vocational agricultural departments in high schools.

533. SELECTION AND MANAGEMENT OF FARM MACHINERY. *Credit 3.* Soil working, planting and forage handling, as well as processing machines from the mechanical, operational and economic standpoints.

543. FARM POWER. *Credit 3.* Trends in design and methods of stress analysis applied to typical agricultural machines; suitability of materials, power requirements, lubrication, safety, and economic factors.

553. DRAINAGE AND IRRIGATION. *Credit 3.* The design and construction of farm drainage and irrigation systems based upon balanced engineering and economic factors.

573-583. SPECIAL PROBLEMS. *Credit 3.* Courses designed for students who are interested in working out problems not included in regular courses offered by the department.

561. SEMINARS. *Credit 1.* Preparation, presentation and discussion of papers on agricultural engineering subjects.

593. RURAL ELECTRIFICATION. (Elective) *Credit 3.* Principles and applications of electrical apparatus included in modern farm equipment; electrical heating and motored appliances, protective devices, and lighting facilities.

603. WELDING AND IRONWORK. (Elective) *Credit 3.* Advanced welding and metal work; repair and maintenance of farm machinery.

AGRONOMY

501. GRADUATE SEMINAR. (1-0) *Credit 1.* Each student will present organized papers on assigned subjects in crops, soils and genetics, based upon library and local research.

514. PLANT ECOLOGY. (2-4) *Credit 4*. Native and crop vegetation in relation to factors of environment. The application of environmental factors to general plant production.

523. ADVANCED FARM CROPS. (2-2) *Credit 3*. Emphasis will be placed on the geographical distribution, classification and physiology of the important Farm Crops.

533. PRINCIPLES OF PLANT PATHOLOGY. (2-2) *Credit 3*. Virus, bacterial and fungous diseases of field and horticultural crops. Symptoms and possible controls.

543. RANGE AND PASTURE IMPROVEMENT AND MANAGEMENT. (2-2) *Credit 3*. Types of pastures; pasture and range vegetation, methods of establishment and improvement.

553. PLANT BREEDING. (2-2) *Credit 3*. Crossing and breeding techniques for the most important farm crops. Inheritance and disease resistance and susceptibility. Field plot technique.

554. SOIL CHEMISTRY. (2-4) *Credit 4*. The application of the principles of chemistry to soils. The relationship between chemical properties and soil productivity.

563. DISEASES OF FIELD CROPS. (2-2) *Credit 3*. Common diseases found in field crops and best known methods of control.

573. FERTILIZERS AND SOILS. (2-2) *Credit 3*. Fertilizer recommendations for various crops and localities. Soil types and fertilizer requirements.

583. SOIL MAPPING. (1-3) *Credit 3*. The study of soil type characteristics by profiles; the mapping of selected local areas.

593. ADVANCED SOIL MANAGEMENT. (2-2) *Credit 3*. The application of the principles of soil management to the solution of practical farm problems.

ANIMAL HUSBANDRY

503. MARKETING LIVESTOCK. Livestock marketing services, functions, and prices.

434. BIOCHEMISTRY. An introductory course on the chemistry of living matter, foods, metabolism and nutrition. The laboratory works deal with the examination of tests of foods, nutritional studies and the qualitative examination of blood and urine.

513. A. H. EXTENSION PRACTICES. Accumulation, interpretation, and dissemination of published and pictorial information as related to livestock practices.

523. VETERINARY OBSTETRICS. Physiology of reproduction, principles of normal and abnormal parturition, diagnosing and treating sterility, abortion, and reproductive failures.

533. HERD AND FLOCK MANAGEMENT. Systematic studies of methods of breeding, feeding and management practices used in commercial livestock production.

543. RANGE AND PASTURE IMPROVEMENT AND MANAGEMENT. The course deals primarily with the types of pasture, and pasture and range vegetation; methods of establishment and improvement.

401. SEMINAR. Reviews and discussions of animal research articles.
DAIRY HUSBANDRY

533. DAIRY BACTERIOLOGY. *Credit 3.* Bacterial flora of milk products; milk sanitation, contamination and control—pure culture studies.

551. SEMINAR (DAIRY PRODUCTION). Current literature relating to various phases of milk production.

561. SEMINAR (DAIRY PRODUCTION). Continuation of 561 prerequisite—Seminar 561 D. H.

572. SPECIAL PROBLEMS. Reports on special problems in dairy farm management.

582. SPECIAL PROBLEMS. Continuation of 572.

523. DAIRY HUSBANDRY. Specific examples of dairy farmer needs and how to meet them. Relationship between production, testing, artificial breeding association, sire proving, work of dairy production field man.

543. TECHNICAL DAIRY PRODUCTION. *Credit 3.* Technical aspects of nutrition, milk secretion, and reproduction in dairy cattle.

434. BIOCHEMISTRY. *Credit 4.* An introductory course on the chemistry of living matter, foods, metabolism and nutrition. The laboratory works deal with the examination of tests of foods, nutritional studies and the qualitative examination of blood and urine.

DAIRY INDUSTRY

422. SPECIAL PROBLEMS. Research problems in Animal Husbandry; planning, execution, compiling and summarizing the data in publication form.

434. BIOCHEMISTRY. *Credit 4.* An introductory course on the chemistry of living matter, foods, metabolism and nutrition. The laboratory works deal with the examination of tests of foods, nutritional studies and the qualitative examination of blood and urine.

514. DAIRY LABORATORY METHODS. *Credit 4.* Theory of and Practice in Analytical Methods used for control and research in dairy manufactories. Emphasis placed on various methods of fat determination, procedures for platform and plant quality tests, detergents, washing and sterilizing compounds.

503. DAIRY INSPECTION AND ORDINANCES. *Credit 3.* Farm, plant, and products inspection; equipment and personnel; milk ordinances; standards.

533. DAIRY BACTERIOLOGY. *Credit 3.* Bacterial flora of milk products; milk sanitation, contamination and control—pure culture studies.

552. SPECIAL PROBLEMS. *Credit 2.* Reports on special problems in and relating to the dairy industry.

562. SPECIAL PROBLEMS. *Credit 2.* Continuation of D. I. 552.

571. SEMINAR. *Credit 1.* Current literature review and reports in dairy manufacturing industry.

HORTICULTURE

513. GENETICS. (2-2) *Credit 3.* Plant genetics which include Mendel's Laws, chromosome phenomena and plant improvement.

523. SYSTEMATIC POMOLOGY. (2-2) *Credit 3.* Description, nomenclature, classification and identification of deciduous and non-deciduous fruits with reference to varietal relationships. Exhibits and judging.

533. MARKETING OF FRUITS AND VEGETABLES. (2-2) *Credit 3.* A study of economic factors involved in the marketing of fruits and vegetables, transportation, methods of handling, middlemen and costs of distribution.

543. FERTILIZERS AND SOILS. (2-2) *Credit 3.* A study of soils and fertilizers in relation to production of stone, pome and small fruits, sub-soils, drainage, elevation and contour.

553. ECONOMIC ENTOMOLOGY. (2-2) *Credit 3.* A course which deals with the study of insects which attack fruits and vegetables. Includes the use of spray calendars, insecticides and equipment.

563. DISEASES OF FRUIT AND VEGETABLE CROPS. (2-2) *Credit 3.* A study of diseases of fruits and vegetables with emphasis on control. Plant hosts, disease-resistance and fungicides.

ORNAMENTAL HORTICULTURE

513. INTRODUCTION TO LANDSCAPE DESIGN. *Credit 3.* Problems in the design of small land areas; orientation, arrangement and circulation, including instruction in drafting and presentation.

523. TAXONOMY OF CULTIVATED PLANTS. *Credit 3.* Principles of plant classification; bibliographic tools of systematic botany; methods of collection, preservation and study of vascular plants.

533. PROBLEMS IN THE PROPAGATION OF ORNAMENTAL PLANTS. *Credit 2-4.* Problems in the propagation of ornamental plants in which the student is interested and which are approved by the instructor. Problems must be of a representative nature and must be worked out independently.

543. NURSERY PRINCIPLES AND PRACTICES. *Credit 3.* Fundamentals and practices involved in the management of a modern nursery; status of the industry, its development, growing, merchandising, and marketing of nursery products in all phases. Trips to nurseries in the state will be made.

553. ECOLOGY OF ORNAMENTAL PLANTS. *Credit 3.* Patterns of vegetation, local, regional and continental; relation of environmental conditions that limit the various plant communities and influence the growth of and the competition in ornamental plants.

563. LANDSCAPE PLANNING AND PLANTING OF SMALL PROPERTIES. *Credit 3.* Problems in the design of small properties using pencil and watercolor; lectures on selecting, securing, planting, transplanting, pruning, diseases, and cost of plants.

573. COMMERCIAL GREENHOUSE PRODUCTION. *Credit 3.* Practical application of science to the production and marketing of greenhouse crops; the growing of seedling plants in the greenhouse, cloth house, and lath. Trips will be made to greenhouses in the state.

583. LANDSCAPE HORTICULTURE PROBLEMS. *Credit 3.* Problems in landscaping in which the student is interested and which are approved by the instructor. Problems must be of a representative nature and must be worked out independently.

593. PLANTING DESIGN. *Credit 3.* The basic principles of planting design; arrangement and use of plants in landscape design with drafting and field practice; problems in color, texture, and mass in plants.

613. PROBLEM IN LANDSCAPE HORTICULTURE. *Credit 2-4.* Problem in landscaping in which the student is interested and which is approved by the instructor; problem must be of a representative nature and must be worked out independently.

623. PARK, CEMETERY, AND INSTITUTIONAL GROUNDS ADMINISTRATION. *Credit 3.* Lectures, collateral reading, and reports on visits to parks, cemeteries, and institutional grounds; lectures and discussions of problems connected with the administration of parks, cemeteries and institutional grounds.

POULTRY HUSBANDRY

POULTRY 561. SEMINAR. Extensive and intensive review and reporting of literature in various phases of Poultry Husbandry.

POULTRY 523. POULTRY MANAGEMENT. A detail study of all phases of farm and commercial flocks, including cost of production.

POULTRY 533. POULTRY DISEASE AND SANITATION. Anatomy of domestic fowls; poultry sanitation and hygiene; infectious and manifectionous diseases of fowls; parasites, minor surgery.

POULTRY 502. SPECIAL POULTRY PROBLEMS. Research problem of a practical nature in Poultry Husbandry.

POULTRY 542. DOMESTIC PROPAGATION OF TURKEYS, DUCKS, GEESE AND GAME BIRDS. The history, characteristics, economic importance, reproduction, and development of the leading breeds and varieties of turkeys, geese, ducks and game birds.

POULTRY 603. POULTRY BREEDING. A study of inherited characteristics, factors affecting the economic characteristics of poultry.

POULTRY 512. TURKEY PRODUCTION. A study of the principles and practices of turkey production with special emphasis in breeding, brooding, feeding and marketing.

AGRICULTURAL AND HOME ECONOMICS EXTENSION WORK

A graduate major leading to a Master of Science degree in Extension Education is offered. The major field of study, which is approximately two-thirds of the graduate work leading to the degree, may consist of courses selected from an approved list. The list of courses for a major in the field of Extension Education has been made from courses offered by the departments of Agricultural Education, Agricultural Economics, Education, Home Economics Education, English, Physical Education and Sociology.

The Extension worker is permitted an even broader selection of courses for his minor subjects. Minor courses, constituting approximately one-third of the graduate program, may be chosen from the various academic departments of the College in which the worker feels the greatest need for subject matter training.

To be permitted to work toward the Master of Science degree in Extension Education, the candidate is required to have the equivalent of a Bachelor of Science degree in Agriculture or Home Economics. Also, the candidate must have had at least two years of satisfactory Extension experience.

A master's thesis or master's written report will be required. It is expected that the work of gathering material for the thesis will provide information useful to the Extension worker.

Two plans are available for obtaining the master's degree. Subject to the approval of the major instructor, the candidate for the master's degree may choose:

PLAN I—with the Master's Thesis. This plan requires 30 semester hours of graduate credit plus a master's thesis.

PLAN II—without the Master's Thesis. This plan requires 36 semester hours of graduate credit plus a written master's report of research or problem on a topic in the major field.

Associated with the credit requirement is the residence requirement. Under either plan, a student must spend in residence a minimum of two semesters or two and one-half twelve week summer sessions.

Graduate credit may be earned off the campus by enrolling in absentia for a limited amount of research or problem work on the recommendation of the head of the major department and with the approval of the Chairman of the Committee on Graduate Study.

Some Extension workers have earned graduate credit at other institutions. If this work comes within the time limitations mentioned below, and if it is of such nature as to fit in with the student's program of study at Prairie View A. and M. College, the Committee on Graduate Study will permit up to six semester hours to be transferred from approved institu-

tions. A student who is allowed to transfer six semester hours from another institution may not, because of the residence requirement, be allowed to use credit obtained from off-campus work.

The work included in a program for the master's degree must be completed within a period of six years of the date of the final examination for the degree. Work taken previous to this time will be considered invalidated by the passage of time.

SUGGESTED COURSES FOR A MAJOR IN THE FIELD OF EXTENSION EDUCATION

Department	Course Number	Descriptive Title
Agricultural Economics	713	Economics of Agricultural Production
	743	Land Tenure and Problems
Agricultural Education	533	Extension Organization and Program Determination
	543	Extension Methods
	553	Organization and Conduct
	563	Special Problems in Home Economics Extension
	572	Methods of Working with out-of-School Groups
	623	Public Relations and Extension Education
	633	Psychology for Extension Workers
Economics	643	Extension Work Evaluation
	713	Problems in Agricultural Education
	543	Social and Labor Legislation
	583	Economic Problems of the Consumer
	573	Labor Problems
Education	773	Economic Theory and Social Policy
	Adm. 513	Vocational Guidance
	Sup. 723	Rural School Supervision
	Ed. 593	Nutritional Aspects of Health Education
	Ed. 643	Theory and Practice in Recreational and Camping Leadership
	Ed. 713	School and Community Relations
Home Economics Education	Psy. 563	Mental Adjustment
	703	Seminar in Nutrition
	705	Consumer Education
	743	Statistical Techniques
	793	Supervision of Home Economics
Physical Education	663	Advanced Personal and Community Hygiene
Sociology	503	Introduction to Social Welfare
	603	Problems of Child Welfare
	643	Modern Social Problems

SCHOOL OF ARTS AND SCIENCES

BIOLOGY

A student entering graduate study in the field of Biology should present at least an undergraduate minor, 20 hours or the equivalent, which includes General Zoology, Botany and Physiology. It is preferable that he shall have had enough credits for an undergraduate major in Biology. It is expected that students who plan to qualify for the Master's degree shall become thoroughly grounded in the general principles of

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

If the transcript of the undergraduate record of a student does not meet the above qualifications, additional satisfactory undergraduate work will be required before the student is admitted to graduate status.

The offerings in Biology on the graduate level have been divided into six fields: (1) Embryology; (2) Genetics; (3) Histology; (4) Microbiology; (5) Physiology; and (6) General Biology plus Special Courses in Biology.

Students seeking a Master's Degree in Biology should present well chosen courses from three of these fields and pursue further work in one field. Programs should be outlined in consultation with the Professors of Biology.

I. EMBRYOLOGY

504. EMBRYOLOGY. (2-4) *Credit 4*. Descriptive embryology; vertebrate development with special reference to mammals; dissections and examination of selected embryological materials, including serial sections of the fetal pig. Prerequisite: Biology 114 and 124.

554. EXPERIMENTAL EMBRYOLOGY. (2-4) *Credit 4*. Modern problems and techniques of the development of the principles and mechanisms of development; analysis in factors operating in the morphogenesis, regeneration and development of selected vertebrates. Prerequisite: Biology 414 and 504.

604. ADVANCED VERTEBRATE EMBRYOLOGY. (2-4) *Credit 4*. Deals primarily with the very early stages in the formation of the human embryo, the mechanism of its implantation in the uterus; correlated changes in the reproductive organs of the mother, organogenesis and histogenesis. Each student takes a special problem in organogenesis. Prerequisites: Biology 414 and 504.

693. BIOLOGY OF SEX. (3-0) *Credit 3*. A consideration of the biological problem of sex.

II. GENETICS

574. GENETICS. See Biology 254.

673. CYTO-GENETICS. (3-0) *Credit 3*. Lectures, reports and laboratory work on the finer cell structures with special reference to chromosome structure, related structures and processes involved as they affect heredity.

683. EXPERIMENTAL GENETICS. (3-0) *Credit 3*. Through experimentation to show how variations may be brought about; the techniques of mating and breeding to support accepted facts.

III. MICROBIOLOGY

594. GENERAL MICROBIOLOGY. See Biology 334.

614. PROTOZOOLOGY. (2-4) *Credit 4*. Structure, Taxonomy, physiology, life history, and adaptations of protozoa, especially the nonparasitic form: Prerequisite: Biology 114 and 124.

624. GENERAL PARASITOLOGY. (2-4) *Credit 4*. Morphology, life history, diagnosis and control of the important parasites affecting man and other animals. Prerequisite: Biology 614.

IV. HISTOLOGY

514. HISTOLOGICAL TECHNIQUE. See Biology 354. In addition to the requirements of 354, the student is required to master some of the special techniques.

524. HISTOLOGY. See Biology 364.

714. CYTOLOGY. (2-4) *Credit 3*. Lectures, reports and laboratory work on the finer structure of cells and processes.

V. PHYSIOLOGY

534. GENERAL PHYSIOLOGY. (2-4) *Credit 4*. Functioning of the organ systems along with the chemical and physical processes involved; quantitative experimentation on warm blooded animals basic physiological techniques; original research on a problem. Whenever possible original research sources are consulted for information to acquaint the student with the leading workers in the field and their methods, Prerequisite: Biology 324 and elementary courses in Physics and Chemistry.

544. ENDOCRINOLOGY. (2-4) *Credit 4*. Organs of internal secretion; embryology, pyslogeny, microscopic anatomy, and physiology. Prerequisites: Biology, 114, 124, and 324.

584. SPECIAL PHYSIOLOGY OF MAMMALS. (2-4) *Credit 4*. A course including the experiments not given in the general courses.

634. NEUROLOGY. (2-4) *Credit 4*. A brief review of the brain and cranial nerves of the shark; the morphology of the spinal cord and brain of a mammal; the principal tracts and nuclei (reaction systems) of the cord and brain with special reference to the human nervous system.

VI. GENERAL BIOLOGY AND SPECIAL COURSES IN BIOLOGY

564. SYSTEMATIC BOTANY. (2-4) *Credit 4*. A study of the local flora, giving training in the identification and classification of the higher plants. Prerequisite: Botany 134.

644. PLANT MORPHOLOGY. (2-4) *Credit 4*. Structure, reproduction, and relationships of algae, mosses, ferns, conifers and fungi. Prerequisite: Biology 134.

654. NATURAL HISTORY OF VERTEBRATES. (2-4) *Credit 4*. Fundamentals of life histories, relations with environment, and speciation of vertebrates. Introduction to classification of Southwestern species. Prerequisite: Biology 114 and 124.

664. GENERAL INVERTEBRATE ZOOLOGY. (2-4) *Credit 4*. Classification, morphology, embryology, physiology, and life histories of invertebrates exclusive of insects. Prerequisite: Biology 124.

704. **BIOLOGY FOR TEACHERS.** This course constitutes a training course for prospective teachers of Zoology and Botany. Lectures or conferences, field and laboratory work. Prerequisites: at least Biology 604 and 644.

600. **RESEARCH.** (*Credit Arranged*). Research may be carried on in any area listed which the student has a sufficient background.

640-650. **SEMINAR IN BIOLOGICAL PROBLEMS.** Required of all graduate students in the department. No credit.

CHEMISTRY

Persons who plan to pursue the graduate degree in chemistry must fulfill the undergraduate requirements stipulated by the department. These requirements are essentially: one year of Inorganic Chemistry, one year of analytical chemistry, one year of organic chemistry, one year of physical chemistry. It is expected that the average grades in these courses and of courses in related fields be not less than a grade of "C." The department reserves the right to give a qualification test to students and will make recommendations for the courses needed to enable a student to do graduate work in chemistry.

Students who plan to minor in chemistry on the graduate level must have fulfilled all requirements for a minor in chemistry on the undergraduate level stipulated in the catalog.

Upon acceptance as a graduate student in chemistry an advisor will be assigned who shall advise the student on courses to pursue, etc.

At the completion of a minimum of twelve semester hours of graduate work in chemistry, satisfactorily completed with an average of "B" or better, a formal application must be made for admission to candidacy. This application must be approved by the heads of the major and minor departments and submitted to the Director of the Graduate School for approval. Research projects for the thesis will be assigned AFTER THE

STUDENT HAS BEEN APPROVED AS A CANDIDATE.

A reading knowledge of French or German is recommended for all candidates.

After approval of the thesis, the candidate will be given a written and/or oral preliminary examination in his major and minor fields. It is required that this exam must be taken at least six weeks before graduation.

The final examination will be oral and shall be over subject materials not covered in the preliminary exam and the thesis.

It is recommended that persons who plan to qualify for the M.S. Degree in chemistry spend at least two years in residence and that those who plan to study during the summer periods plan to spend at least one summer which can be devoted entirely to research. It is further required that the thesis be of such quality that it may be published in an accepted scientific journal. Below is a suggested outline of study for the various fields of chemistry. These, of course, represent the minimum requirements.

ANALYTICAL

Course	Hrs.
Identification of Organic Compounds	4 Lab and Lec
Organic theory	3 Lec
Physical Chemistry (Advanced)	3 Lec
Advanced Inorganic	3 Lec
Advanced Analysis	6 Lec and Lab
Seminar	2
Research	
Biochemistry	4
Total	25 Hrs. (Exclusive of research)

BIOCHEMISTRY

Course	Hrs.
Identification of Organic Compounds	4 Lec and Lab
Advanced Inorganic Chemistry	3 Lec
Advanced Analysis	3 Lec
Advanced Physical	3 Lec
Intermediate Metabolism	3 Lec
Advanced Organic	6 Lec
Seminar	2
Research	
Total	24 Hrs. (Exclusive of research)

INORGANIC CHEMISTRY

Course	Hrs.
Identification of Organic Compounds	4 Lec
Advanced Inorganic Chemistry	6 Lec and Lab
Advanced Physical	3 Lec
Advanced Organic	3 Lec
Advanced Analytical	3 Lec
Seminar	2 Lec
Biochemistry	4
Total	25 Hrs. (Exclusive of research)

ORGANIC

Course	Hrs.
Identification of Organic Compounds	4 Lab and Lec
Advanced Organic Chemistry	6 Lab and Lec
Advanced Inorganic Chemistry	3 Lec
Advanced Physical	3 Lec
Advanced Analytical	3 Lec
Seminar	2
Research	
Biochemistry	4
Total	25 Hrs. (Exclusive of research)

COURSES

613 and 623. ADVANCED INORGANIC CHEMISTRY. (3-0) *Credit 3*. The periodic law: several forms of the table. Quantum numbers. A brief discussion of chemical bonds and resonance. Structure and properties of typical non-metallic compounds. Behavior of electrolytes in non-aqueous solvents.

701. CHEMICAL PRINCIPLES. (1-0) *Credit 1*. Fundamental concepts and principles of chemistry; designed especially for persons interested in the teaching of chemistry. Prerequisite: Graduate or advanced undergraduate standing.

704. ADVANCED ANALYTICAL CHEMISTRY. (1-6) *Credit 4*. Lecture-recitation: Theory and picture of sampling, solution of refractory materials, special methods of precipitation, use of radio active material, water analysis, special types of calculations.

Laboratory: Gravimetric and electrolytic separation (limestones and alloys) evolution methods, gas analysis, electrometric oxidation-reduction.

713. IDENTIFICATION OF ORGANIC COMPOUNDS. (Qual. Organic Analysis). The separation and identification of pure organic compounds and mixtures.

723. QUANTITATIVE ORGANIC CHEMISTRY. (1-4) *Credit 3*. The determination of elements and functional groups by Macro-methods with an introduction to micro-methods.

743. ADVANCED TOPICS IN ORGANIC CHEMISTRY. (3-0) (a) Stereochemistry; (b) Reaction Mechanism; (c) Terpenes and Carbohydrates. 3 hours credit for each topic.

732. ADVANCED ORGANIC CHEMISTRY. (2-0) *Credit 2*. A short review of elementary organic chemistry with an extension of more advanced topics. Includes assigned current subject material.

752. INTERMEDIARY METABOLISM. (0-4) *Credit 2*. A laboratory course concerned with a quantitative study of the intermediates formed in cellular metabolism of fats, carbohydrates, proteins, and minerals employing equipment currently used in biochemical research. Both manometric and spectrometric methods are included. Prerequisite 434, or taken concurrently with 753.

753. INTERMEDIARY METABOLISM. (3-0) *Credit 3*. A lecture course concerned with the intermediates formed in the metabolism of fats, carbohydrates, proteins, minerals and nucleic acids and interrelationship between the metabolic pathways in both plants and animals. Such topics as: Enzyme-substrate substrate (Michaelis' Theory) energy relationships competitive inhibition, isotope technique, free radical nature of intermediates, enzyme kinetics, energy rich bonds, mesomeric concepts are included. Prerequisite 434 and 424.

762. ORGANIC SYNTHESIS (1-4) *Credit 2*. Conferences and laboratory work dealing with the synthesis of various organic compounds. Prerequisite: one year of organic chemistry.

763. BIOCHEMICAL AND CLINICAL ANALYSIS. (0-6) *Credit 3*. Conferences and laboratory work dealing with analysis of blood, urine and vitamin assay. Prerequisite: Chemistry 435.

782. TOPICS IN THE CHEMISTRY OF NUTRITION. (2-0) *Credit 2.* Lectures, assigned readings on the most recent developments in research on vitamins, amino acids, proteins, minerals and hormones as related to human and animal nutrition. Prerequisite: Chemistry 435.

783. ADVANCED PHYSICAL CHEMISTRY. (3-0) *Credit 3.* A lecture course consisting of advance topics in physical chemistry; Thermodynamics, chemical kinetics, theories of solutions, phase rule. Prerequisite: Chemistry 424 and mathematics through differential and integral calculus.

802. ELECTROCHEMISTRY. (0-4) *Credit 2.* Conferences, assigned readings and exercises in the laboratory dealing with the fundamental theories of electrochemistry and the preparation of certain inorganic and organic compounds. Prerequisite: Chemistry 424.

600, 700, 800. RESEARCH. *Credit arranged.* Problems for investigation may be selected from one of the following fields of chemistry: 1. Analytical; 2. Biochemistry; 3. Inorganic Chemistry; 4, Organic Chemistry.

911 and 921. SEMINAR. (1-0) Discussion of topics which are current in the various fields of chemistry.

ECONOMICS

Majors and minors are offered in the Department of Economics and Business Administration. Students desiring to major in Economics and/or minor in Business Administration should consult with the Head of the Department and plan a program in conjunction with the major professor.

To fulfill the requirements for a major in this field, one must complete twenty semester hours of satisfactory work. Students who plan to minor in the Department are required to complete a minimum of ten hours.

Students who have not completed an undergraduate major in Economics must take, under the guidance of the Head of the Department, certain undergraduate courses in Economics.

ECONOMICS

513. ECONOMIC HISTORY OF THE UNITED STATES. (3-0) *Credit 3.* Development of agriculture, industry, commerce and transportation from colonial times to the present; problems involving the economic evolution in the United States.

523-533. PRINCIPLES OF ECONOMICS. (3-0) *Credit 3.* Thorough and critical consideration of economic problems and principles; post-war economy in the American Social Order.

543. SOCIAL AND LABOR LEGISLATION. (3-0) I or II. Protective legislation dealing with wages, hours, child labor, old age benefits with unemployment compensation.

553-563. ACCOUNTING. (2-2) *Credit 3.* I and II. Basic accounting principles and practices.

573. LABOR PROBLEMS. (3-0) *Credit 3.* Evolution of industrial society; labor movement as a "going government"; protective legislation dealing with wages, hours, and unemployment compensation; problems involving the employer-employee relationships. Prerequisite: Economics 213-223.

583. ECONOMIC PROBLEMS OF THE CONSUMER. (3-0) *Credit 3.* Family budgets, marketing, price controls, and other problems of consumers.

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

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

653. ECONOMIC STATISTICS. (2-2) *Credit 3.* Techniques of gathering, assorting, tabulating and presenting statistical data—Prerequisite: Economics 213, and 223.

663. MODERN ECONOMIC THOUGHT. (3-0) *Credit 3.* II. Analysis and appraisal of recent and contemporary economists and their contribution to public policy. Prerequisite: Economics 323 and 413.

702. THE NEGRO IN THE AMERICAN LABOR MOVEMENT. (2-2) *Credit 2.* American Trade Unionism with special reference to the role and status of Negroes in the labor union. Prerequisite: Basic courses in Economics and Sociology.

723. SEMINAR IN ECONOMIC THEORY. (3-0) *Credit 3.* Critical discussion of debatable topics in the field of economic theory, prices, value and distribution; reports will be made on recent or contemporary theories and theorists. Prerequisite: consent of instructor.

743. CAPITALISM AND SOCIALISM. (3-0) *Credit 3.* Capitalism, unionism, socialism, facism, and individualistic anti-capitalism, each viewed under the headings of conditions, theories and movements. A research course. Prerequisite: Economics 213 and Sociology 213.

773. ECONOMIC THEORY AND SOCIAL POLICY. (3-0) *Credit 3.* Analysis of economic theories involved in various institutional and government policies, especially those centering around farm control, education, housing, relief, protection of workers and consumers and social security.

EDUCATION

MINIMUM REQUIREMENTS FOR A MASTER'S DEGREE IN THE DEPARTMENT OF EDUCATION

The minimum undergraduate preparation for the Master's Degree is eighteen semester hours of basic course credit in the field of the graduate major. Those persons who plan to major in Elementary Education should include such basic courses as the following:

Elementary Art	3 hrs.
Public School Music	3 hrs.
Teaching of Reading	3 hrs.
Elementary Science	3 hrs.
Child Development and Growth	3 hrs.

Attention is called to the requirements of the Texas Education Agency for the teaching certificate in the field of graduate concentration.

ADMISSION TO CANDIDACY

Action on admission to candidacy for a Master's Degree will be taken after the student (1) has been in residence for at least one semester or summer session, earning at least twelve hours of graduate course credit (2) has maintained a "B" average or better; (3) has satisfactorily demonstrated proficiency in English usage and has satisfied all the classification requirements of the college.

The student failing to meet the above requirements will be continued on probation for a second semester. In the event he does not meet the requirements for candidacy at this time, it will be understood that no more graduate credit earned by him will be applicable to a Master's Degree.

SUGGESTED CURRICULUM FOR A MAJOR IN ELEMENTARY EDUCATION

Child Growth and Development	3 hrs.
Teaching the Language Arts	3 hrs.
Evaluation of Modern Practices	3 hrs.
Diagnosis and Remedial Treatment of Elementary School Subjects	3 hrs.
Developing Elementary School Curriculum	3 hrs.
Problems of the Elementary Teacher	3 hrs.
Electives from the following:	
Arts and Crafts in Public School	
Audio-Visual Education	
Supervision of Elementary School Subjects	
Elementary School Administration	
Library Service Education	
Survey Course of Education for Special Handicapped Children	
Child Accounting	
Special Project in Public School Art	
	21 hrs.

SUGGESTED CURRICULUM FOR ADMINISTRATION AND SUPERVISION—PRINCIPAL MAJOR

Child Growth and Development	3 hrs.
Supervision	3 hrs.
Curriculum and Methods	3 hrs.
School Community Relations	3 hrs.
Administration	9 hrs.
	21 hrs.

SUGGESTED CURRICULUM FOR ADMINISTRATION AND SUPERVISION—SUPERVISION MAJORS

Child Growth and Development	3 hrs.
Administration	3 hrs.
Curriculum and Methods	3 hrs.
School Community Relations	3 hrs.
Supervision	9 hrs.
	21 hrs.

ADMINISTRATION AND SUPERVISION

513. VOCATIONAL GUIDANCE. (3-0) *Credit 3*. Open to all graduate students. Surveys required of all students. Vocational Guidance as a means of contributing to major objectives of secondary education; typical centers, movements, and programs as now carried on. Reading and reports.

523. ADMINISTRATION OF STUDENT PERSONNEL. (3-0) *Credit 3*. Open to students of senior and graduate standing. Common personnel problems of administrators and supervisors such as extra-curricular activities, guidance, student-faculty relationship; health; admissions; discipline; records and reports; etc.

533. HIGH SCHOOL ADMINISTRATION. (3-0) *Credit 3*. Work of the High School Principal; technique of organizing the high school program; history, objectives, and status of secondary education in the United States.

543. PRINCIPLES OF GUIDANCE. (3-0) *Credit 3*. Introductory course: survey of the field; emphasis on the Role of the Classroom Teacher in personnel work.

553. ELEMENTARY SCHOOL PRINCIPAL'S WORKSHOP. *Credit 3*. Study and solution of problems arising in elementary schools.

633. ELEMENTARY SCHOOL ADMINISTRATION. (3-0) *Credit 3*. Problems, organization, administration and supervision of elementary schools.

643. SUPERVISION OF ELEMENTARY SCHOOL SUBJECTS. (3-0) *Credit 3*. The nature and philosophy of supervision, the need of supervision in elementary schools, the activities of supervisors, the promotion of teacher growth, and the appraisal of teaching efficiency.

653. HIGH SCHOOL PRINCIPLE'S WORKSHOP. *Credit 3*. Study and solution of problems arising in secondary schools.

713. FUNDAMENTALS OF SCHOOL ADMINISTRATION. (3-0) *Credit 3*. Open to graduate students who hold or are appointed to positions as principals, or supervisors, or who have consent of Director. History, principles, and practices in school administration; intensive study of problems (general and specific) involved in school administration.

723. RURAL SCHOOL SUPERVISION. (3-0) *Credit 3*. Principles underlying present-day supervision. Relationship of classroom teachers to supervisor, principal, and superintendent.

733. CHILD ACCOUNTING. (3-0) *Credit 3*. Principles and systems of child accounting. Courses, attendance, progress, achievement, classification, and guidance records and reports.

743. PRINCIPLES OF CURRICULUM BUILDING. (3-0) *Credit 3*. Open to graduate students who hold positions as principals or supervisors or who have consent of Director. Principles of curriculum construction in elementary and secondary education; investigates the sources of curriculum materials and methods of evaluation; some aspect study of the curriculum is required of all students desiring credit.

753. PRINCIPLES AND PRACTICES OF SUPERVISION. (3-0) *Credit 3*. Open to graduate students who hold or are appointed to supervisory or administrative positions, or who have consent of Director. Some practice in application of principles required of all. Principles, practices and problems of

supervision. Special attention is given to organization for supervision, supervisory programs, research in supervision, cooperation of special agencies, and qualifications for supervisors.

763. PRINCIPLES OF RURAL SCHOOL ADMINISTRATION. (3-0) *Credit 3*. Open to graduate students holding administrative and supervisory positions in rural areas. Principles, practices, and problems of school administration with emphasis upon problems of schools located in rural areas. Reports required of all.

773. THE HIGH SCHOOL PRINCIPAL AS A SUPERVISOR. (3-0) *Credit 3*. Improvement of instruction; evaluation of teaching procedures; selection and use of textbooks and other instructional material in elementary grades.

783. THE ELEMENTARY PRINCIPAL AS A SUPERVISOR. (3-0) *Credit 3*. Improvement of Instruction; Evaluation of Teaching Procedures; selection and use of text books and other instructional materials in elementary grades.

793. SUPERVISORS WORKSHOP. *Credit 3*. (Credit granted in areas of elementary and secondary education.)

ELEMENTARY EDUCATION

563. TEACHING OF ARITHMETIC IN ELEMENTARY GRADES. (3-0) *Credit 3*. A survey of current issues, including: teaching arithmetic through pupils' first hand experiences; the place of meaning, thinking; and drill in effective learning; the grade placement of topics in arithmetic; approved procedures in adapting instruction to pupils of varying ability.

633. TEACHING READING IN THE ELEMENTARY GRADES. (3-0) *Credit 3*. Special attention is given to the problem of when the child is ready to start learning to read, and the steps in beginning reading, techniques to be followed in developing the three additional stages of reading development, and how to make the pupil efficient in reading in general in school work.

653. ARTS AND CRAFTS IN PUBLIC SCHOOL. (3-0) *Credit 3*. Teaches prospective elementary teachers how to present art to children.

663. SPECIAL PROJECTS IN PUBLIC SCHOOL ART. (3-0) *Credit 3*. Methods, procedure and phases of teaching art; problems of art education and methods of teaching art.

683. ELEMENTARY SCHOOL CURRICULUM. (3-0) *Credit 3*. Study of important developments in elementary education with particular attention to methods and materials which may be used to improve the development of pupils in elementary schools. Problems which are encountered in day-to-day teaching situations receive much attention.

743. PROBLEMS OF THE ELEMENTARY TEACHER. (3-0) *Credit 3*. Open to undergraduates who are teachers in service and to graduate students. Special projects, investigations, and reports required; attention given to problems presented by members of the class as the outgrowth of their experiences.

753. TEACHING THE LANGUAGE ARTS IN THE ELEMENTARY SCHOOL. (3-0) *Credit 3*. For those interested in guiding and directing children of elementary school age in reading and in oral and written composition; special emphasis placed on diagnosis and remedial work in reading.

763. TEACHING SOCIAL STUDIES IN THE ELEMENTARY GRADES. (3-0) *Credit 3*. Emphasis upon improving the social learning which grow out of the entire life of children both in and out of school. Selection and organization of content, learning activities, problem solving and social action skills, building social values and developing methods of unified and correlated social studies program.

773. TEACHING OF SCIENCE IN THE ELEMENTARY GRADES. (3-0) *Credit 3*. Emphasis is placed upon the principles, materials and methods of teaching science, and its influence upon the development of children, in the elementary grades. Laboratory work is designed to help the teacher develop a background of science understanding with suitable experiments, and suggestions for appropriate equipment and suitable materials for various age levels.

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

793. DIAGNOSIS AND REMEDIAL TREATMENT OF ELEMENTARY SCHOOL SUBJECTS. (3-0) *Credit 3*. Techniques of diagnosis and remedial treatment of difficulties in the various elementary school subjects at all levels.

GENERAL EDUCATION

500. MASTER'S ESSAY SEMINAR. *Non-credit*. Required of all candidates for Master of Education degree.

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

713. HISTORY OF EDUCATION IN AMERICA. (3-0) *Credit 3*. Historical background of American Education and an analysis of the origin and development of educational practices.

763. PROBLEMS IN THE EDUCATION OF NEGROES. (3-0) *Credit 3*. Special problems in the education of Negroes which result from segregation and discrimination; attention given to problems as adequacy of public education, equality of opportunities, the general status of Negro schools, educational facilities, etc.

843. TECHNIQUES IN EDUCATIONAL RESEARCH. (3-0) *Credit 3*. Study of research in education, the sources of information and techniques available, and approved form and style in preparation of research reports and theses.

PSYCHOLOGY

523. PRINCIPLES AND PRACTICES OF EDUCATIONAL MEASUREMENT. (3-0) *Credit 3*. The place of tests and measurements in education; selection and construction of the most commonly used tests and measurements. Prerequisite: Education 433. See Education 433 in undergraduate catalog.

563. MENTAL ADJUSTMENT. (3-0) *Credit 3*. Personality as an intergraded force; psychology of the adjusted school child. Prerequisite: Psychology 103.

573. PSYCHOLOGY FOR STUDENTS OF EDUCATION. (3-0) *Credit 3*. See Education 383, of current catalog. General principles of human psychology as they relate to the learning process.

593. PUPIL GROWTH AND DEVELOPMENT. (3-0) *Credit 3.* A study of the growth and development of the individual. Emphasis on problems of inheritance, growth, learning, intelligence, emotion, and personality. Consideration given to fundamental psychological needs of the organism (in the growth cycle in infancy, childhood, adolescence and adulthood) and the conditions under which they may be realized. Applications to educational procedure, on home, school and community.

RURAL EDUCATION

743. THE RURAL ELEMENTARY CURRICULUM. (3-0) *Credit 3.* For rural school principals, supervisors and teachers specifically concerned with curriculum adaptations in rural elementary schools. The development of the curriculum in terms of environment, resources, and needs; and specifically adapted organization for school of one to four teachers; procedures for discovering environmental resources and needs and conditions in sample rural communities considered in their implications for selection and organization of curriculum materials.

713. SCHOOL AND COMMUNITY RELATIONS. (3-0) *Credit 3.* Place of education, the responsibility of the public school, the curriculum, the reorganization of the educational administrative structure, and the provisions of special educational services, as they relate to child and community needs and methods for their provision from the standpoint of the whole child and the community as a whole. The community centered school philosophy emphasized.

HEALTH EDUCATION

543. SAFETY EDUCATION. (3-0) *Credit 3.* Survey course in safety education; organization, administration, history and development, methods, materials and procedures in teaching safety on the various levels; aspects of safety with particular emphasis on driver education and training.

593. NUTRITIONAL ASPECTS OF HEALTH EDUCATION. (3-0) *Credit 3.* Essentials of an adequate diet; the food of persons of different ages; and the nutritive values of common food materials considered; special concern given regarding the relationship of nutrition and health education; materials from the various agencies, diet surveys and projects included in the course.

603. A SURVEY COURSE IN THE EDUCATION OF EXCEPTIONAL CHILDREN. (3-0) *Credit 3.* Foundations for Special Education set forth; its history, philosophy, policy, case studies, measurements and guidance, selection, organization and qualifications of teachers.

Brief consideration given the special classroom assistance for exceptional children with some knowledge of the various types of handicapped children.

623. METHODS IN HEALTH EDUCATION. (3-0) *Credit 3.* Methods and techniques of teaching health in elementary and secondary schools.

633. METHODS AND MATERIALS OF TEACHING HEALTH AND PHYSICAL EDUCATION IN ELEMENTARY SCHOOLS. (3-0) *Credit 3.* Study of Fundamental play needs of children of elementary school level; ability to select appropriate equipment and the formation of tentative curriculum; sources of materials in the field.

643. THEORY AND PRACTICE IN RECREATIONAL AND CAMPING LEADERSHIP. (3-0) *Credit 3*. In addition to classroom work in the various aspects of Recreation and Camping Education, course deals with actual laboratory experiences in the development of such programs. These include the organization of camps, community centers, playgrounds and consider health and safety aspect, work experiences, social leadership activities and practice in the dance, games and sports skills.

723. COMMUNITY PLANNING FOR HEALTH. (3-0) *Credit 3*. Acquaints the prospective teacher of health education with the fundamentals, habits and knowledge necessary to healthful living; and an overview of prominent health problems in the school and community.

Special attention also given to progressive teaching methods and use of modern teaching aids in health education.

SECONDARY EDUCATION

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

673. METHODS OF TEACHING SECONDARY SCHOOL SUBJECTS. (3-0) *Credit 3*. General methods treating the principles and practices of successful high school teaching.

ENGLISH

Admission: For admission to graduate study in English a student should present at least an undergraduate minor, 21 hours, in this field. This undergraduate study should include at least three hours of credit above the sophomore level in each of the following: American Literature, Journalism, Shakespeare, Victorian Literature, Romantic Movement or a specialized course such as Chaucer, Byron, Wordsworth.

Any prerequisite courses such as The English Language (English 353), The Teaching of English: Education (English 463), which the student did not take while an undergraduate at this college, it is expected that he will register in these courses upon admission to the Department.

Requirements for the Graduate Degree: Requirements are stated in terms of minimum essentials. Students are urged to indicate some effort at enrichment of background by including in their program more than the minimum essentials. The following courses are required to fulfill the 20 credit hours required for a graduate major in English:

Course Number	Credit Hours
English 533	3
English 583	3
English 733	3
English 773	3
English 813	3
English 803	3
English 813	3

Of the 12 credit hours required for the graduate minor in English the following courses are required:

Course Number	Credit Hours
English 733	3
English 773	3
English 813	3
English 803	3

DESCRIPTION OF COURSES

ENGLISH

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

583. THE NOVEL. (3-0) *Credit 3.* Relations between literature and social conditions as revealed in outstanding examples in the field in the novel.

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

753. JOURNALISTIC WRITING AND PUBLICITY METHODS. (3-0) *Credit 3.* Practical work in the forms.

773. NEGRO LITERATURE. (3-0) *Credit 3.* Works of Negro writers of prose, poetry, and drama from colonial slavery times to the present day; their interpretations of Negro people; sociological implications and influence on American life and literature; contemporary works by and about Negroes; books, reviews, and studies in current periodicals. Prerequisite: American Literature.

803. BIBLIOGRAPHY AND METHODS OF RESEARCH. (3-0) *Credit 3.* Exercises in minor research projects.

813. LITERARY CRITICISM. (3-0) *Credit 3.* Wide reading including translations from "classical" literature; practice in reading aloud.

813. SEMINAR IN THESIS WRITING. (3-0) *Credit 3.* Open only to candidates who are now working on their thesis in English.

HISTORY

Majors and minors are offered in the Department of History, Philosophy and Political Science. Students desiring to major in either History or Political Science should consult with the Head of the Department and plan a program in conjunction with the Major Professor.

All students are required to take a course in Research. Majors in History should register for History 563 and majors in Political Science for Political Science 563.

Arrangements should be made to take this course as early as possible after the commencement of the work for the Master's Degree.

The offerings in History on the graduate level have been divided into three fields: (1) European History; (2) American History; (3) Training and Special Courses in History.

Twenty hours of satisfactory work is required for a major in the field of History, and ten hours for the minor. The satisfactory completion of a thesis, the subject of which to be determined in consultation with major professor, is required of all persons graduating with a major in this field. Minors in this field are allowable only if the candidate can demonstrate that the techniques in this field are necessary for his research project or that the minor field is reasonably associated with the major specialty in content and orientation.

Prerequisites for majoring or minoring in the field of History are: (a) Lower college courses in American and European History corresponding to the lower college offering in the field at Prairie View; (b) At least an advance course in either modern and/or contemporary European or American History; (c) A cumulative average of "B" in their social science courses on the undergraduate level; (d) Preliminary to the graduate regulation on candidacy for the degree, no person shall be acceptable for pre-candidacy status if at the end of the first semester he has not shown the proper inclination to master the skills and attitudes attendant upon graduate student.

MASTER OF ARTS IN HISTORY WITH AMERICAN ORIENTATION

Course	Hours	Course	Hours
History 533 or 543—England, 1485 to the present	3	History 623—Problems in Latin American History	3
History 553—Europe, 1914 to the present	3	History 663—Great American Historians (elective)	
History 563—Historical Methods	3	History 613—American Revolution and the Constitution (elective)	
History 693—The New South, 1865 to the present	3	History 633 or 643—American Foreign Relations, 1775 to the present (elective)	
History 653—Contemporary U. S. History, 1898 to present	3		

MASTER OF ARTS IN HISTORY WITH EUROPEAN ORIENTATION

Course	Hours	Course	Hours
History 533 or 543—England, 1485 to the present	3	History 623—Problems in Latin American History	3
History 553—Europe, 1914 to the present	3	History 563—Historical Methods	3
History 733—History of the Far East	3	History 633 or 643—American Foreign Relations, 1775 to the present (elective)	
History 523—Imperialism	3	History 653—Contemporary U. S. History, 1898 to present (elective)	
History 513—French Revolution and Napoleon (elective)			

Students seeking a Master's Degree in History should present well chosen courses from these fields and pursue further work in one field or a combination of fields in consultation with the Professor of History.

I. EUROPEAN HISTORY

513. FRENCH REVOLUTION AND NAPOLEON. (3-0) *Credit 3.* Causes of the revolution; reforms and discipline by Napoleon.

523. IMPERIALISM. (3-0) *Credit 3.* Era of Imperialism; causes, results and techniques.

533 and 543. ENGLAND, 1485 TO THE PRESENT. (3-0) *Credit 3.* I. Development of Britain in Modern historical development; Tudors and the Reformation; the Stuarts and Parliament; English expansion under Parliamentary rule; the Era of Reform and Empire; the Empire and World War I, Britain between the Wars; the Fight for Survival—Global War. Lectures, Discussions, Special Reports. Offered in odd years.

553. EUROPE, 1914 TO THE PRESENT. (3-0) *Credit 3.* I. 20th Century European development in its World setting; the background and causes of World War I; the War itself; the Versailles settlement and Post War efforts at Political, Economic and Social Security, collectively and nationally; the ideological clash between democracy and totalitarianism which led to Global War and the Atomic Age—from the subject matter of the course. Lectures, discussions, special reports. Offered in odd years.

663. GREAT AMERICAN HISTORIANS. (3-0) *Credit 3.* Survey of the writers of American History; their sociological, economic and political motivations.

II. AMERICAN HISTORY

613. AMERICAN REVOLUTION AND THE CONSTITUTION. (3-0) *Credit 3.* Revolutionary philosophy; declaration of independence; union and drafting the constitution.

633 and 643. AMERICAN FOREIGN RELATIONS, 1775 TO THE PRESENT. (3-0) *Credit 3.* I and II. The United States in its relations with Latin-America and the rest of the world; public opinion and the economic, social and political forces that have determined American foreign policy and the agencies through which that policy has been executed. May be taken as Political Science 533 and 543.

* Also thesis on some problems connected with this course offering. Twenty hours required.

653. CONTEMPORARY UNITED STATES HISTORY, 1898 TO THE PRESENT. (3-0) or (2-0) *Credit 3 or 2*. II. Twentieth Century American development thus: America comes of age; the quest for Social Justice; the Great Crusade (World War I); Post War Normalcy and Reaction; Democracy in Transition—the New Deal; and American Leadership in the "United Nation." Lectures, Discussions, special reports.

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

673. ECONOMIC HISTORY OF THE SOUTH. (3-0) *Credit 3*. II. The agricultural and industrial development of the South; the industrialization of the Southwest; field trips, contact with state Historical Societies to obtain documents, and preparation for the writing and publication of materials.

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

693. THE NEW SOUTH, 1865 TO THE PRESENT. (3-0) *Credit 3*. II. Relation of the South to National development since 1860; the Death of the Old South; Reconstruction and the New Nation; the "Due Departure" 1876-1900; Southern strivings to follow National Patterns, 1900-1932; the New Deal and the New South. Lectures, Discussions, Readings, Special Reports.

III. TRAINING AND SPECIAL COURSES

503. TECHNIQUES OF TEACHING HISTORY. (3-0) *Credit 3*. Testing devices; visual aids; historical methods.

563. A SURVEY OF THE CRITICAL ATTITUDE AND TOOLS OF SCIENTIFIC HISTORY. (3-0) *Credit 3*. I or II. History and its relation to the Social Sciences; the Subject and the Collection and Classification of Sources; the criticism of Data; Exposition or the presentation of historical evidence; and sources and techniques of political science research, lectures, laboratory exercises, special reports. Offered as Sociology 563, Social Research. History majors register for History 563.

572. HISTORICAL INVESTIGATIVE PAPER. (2-0) *Credit 2*. I and II. Credit allowed upon satisfactory completion of required thesis.

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

603. WESTERN AMERICAN HISTORY. (3-0) *Credit 3*. II. Seminar in the exploration, settlement and development of the region western side of the Mississippi; designed to discover and preserve materials on the early Spanish, French, African and Anglo-Saxon explorations and the contributions of the immigrants who made their homes in the Western region later.

623. PROBLEMS IN LATIN-AMERICAN HISTORY. (3-0) *Credit 3*. I. Geography and resources of the Latin-American countries; cultural traits of the population; description of the social, political and economic institutions. History of the relations between the United States and Latin-American countries.

MATHEMATICS

713. ADVANCED CALCULUS. (3-0) *Credit 3*. Advanced topics of the calculus; differential equations. Prerequisites: Differential and Integral Calculus.

723. ANALYTIC MECHANICS. (3-0) *Credit 3*. Statics, the study of equilibrium and dynamics, motion of particles, of rigid bodies, and simple cases of formable bodies under action of forces. Prerequisites: Differential and integral Calculus.

733. ADVANCED ALGEBRA. (3-0) *Credit 3*. Topics not taken up in the elementary course of college Algebra; inequalities, theory of probability, summation of series, etc. Prerequisite: College Algebra.

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

753. THEORY OF EQUATIONS. (3-0) *Credit 3*. Complex numbers, general calculations of the cubic and biquadratic, and Horner's and Newton's method. Prerequisite: Differential and Integral Calculus.

763. DIFFERENTIAL EQUATIONS. (3-0) *Credit 3*. Methods of solving type forms and the formulation of practical problems as solutions of differential equations. Prerequisites: Differential and Integral Calculus.

773. PROJECTIVE GEOMETRY. (3-0) *Credit 3*. Fundamental forms; harmonic sets, perspectivity and projectivity of forms, duality involution. Prerequisite: the calculus.

783. DIFFERENTIAL GEOMETRY. (3-0) *Credit 3*. Curves in the plane and in space, and of surfaces; introduction to the study of curved spaces. Prerequisites: Calculus and Solid Analytic Geometry.

793. INFINITE SERIES. (3-0) *Credit 3*. The convergence and divergence of sequences, and series; simple, absolute, and uniform convergence; summable series. Prerequisites: Differential and Integral Calculus.

803. NUMERICAL AND LITERAL SOLUTIONS OF EQUATIONS. (3-0) *Credit 3*. The methods of solving linear, simultaneous, quadratic, cubic, quartic, transcendental, and algebraic equations of higher degrees than the fourth for real roots, as well as methods for complex roots. Prerequisites: Theory of Equations on consultation with the Head of the Department.

MUSIC

The College offers courses leading to the degree of Master of Arts with a major in Music. This degree is open to persons holding a Bachelor of Music or Bachelor of Science or Arts with concentration in music from an institution of recognized standing. These degrees presented as entrance requirements in the

graduate department must represent an amount of work equivalent to that prescribed in the School of Arts and Sciences of Prairie View A. & M. College.

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

MUSIC EDUCATION

Requirements:

12 to 15 Hours—30 in all subjects

12 to 15 hours—30 hours in all subjects

1. Courses in the field:

Courses in general education or psychology; or English Literature, Language or History as well as the music courses.

Thesis: A written literary work involving original research.

2. Applied Music (6 hours minimum)

Continuation of one's applied instrument.

3. Minor Cognates: Any one:—

Aural Theory

Written Theory

Music Literature

Any non-musical field of study for which the student has the requisite preparation in his bachelor's degree.

Twelve to fifteen hours. (30 hours in all subjects)

683. THE TEACHING OF MUSIC LITERATURE. (3-0) *Credit 3.* The problems involved in the presentation of music appreciation to high school students.

773. PROBLEMS IN TEACHING SIGHT-SINGING AND EAR TRAINING. (3-0) *Credit 3.* Students must audit first-year courses and engage in practice teaching plus one hour of theory and one hour of lecture.

863. TESTS AND MEASUREMENTS IN MUSIC EDUCATION. (3-0) *Credit 3.* Procedures, criticisms, and evaluation of the most prominent sensory motor, feeling and achievements in music.

873. TEACHING OF VOCAL MUSIC IN THE HIGH SCHOOL. (3-0) *Credit 3.* Organizations and administration of (a capella) choirs, boys' chorus or glee clubs, girls' chorus or glee clubs, and voice training classes.

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

893. THE TEACHING OF INSTRUMENTAL MUSIC IN THE HIGH SCHOOL. (3-0) *Credit 3.* The organization and administration of bands and orchestras in the junior and senior high school.

973. SEMINAR IN MUSIC EDUCATION. (3-0) *Credit 3.* Current philosophy of education in this country; the place of music in the curriculum; review and criticism of music curricula, and evaluation of materials and methods of the various types of music schools existing in America. Special study of some problems associated with that aspect of music teaching in which interested.

983. RESEARCH IN MUSIC EDUCATION. (3-0) *Credit 3.* Independent investigations under supervision, leading to a thesis. (In certain cases a laboratory problem in the psychology of music may be submitted as a thesis).

993. THE PSYCHOLOGY OF MUSIC. (3-0) *Credit 3.* Materials from the science of psychology; current psychological tests and measurements in music; review of the experimental laboratory work on factors which make up the musical mind.

THEORY

Requirements:

12 to 15 hours—30 hours total for degree

1. Thesis: A written literary work involving original research, or an arrangement of a work, or an original work for full symphony orchestra.
2. Student must include 953, 783 and 793 or 763.
3. Applied Music: (6 hours)
Continuation of one's applied instrument
4. Minor cognate: Any one:—
School Music
Applied Music
Music Literature
Any non-musical field of study for which the student has the requisite preparation in his bachelor's degree.

Twelve to fifteen hours (30 hours total in all subjects)

653. ADVANCED SCORE READING. (3-0) *Credit 3.* Transpositions and various clefs for instruments and voices; ranges of instruments; introduction to the playing of vocal and instrumental scores since the 16th century; practice in sight reading and studying such scores.

673. DICTATION AND SIGHT-SINGING. (3-0) *Credit 3.* Advanced courses in aural theory.

693. ANALYSIS OF FORM. (3-0) *Credit 3.* Practical analysis of intermediate and larger forms, eighteenth and nineteenth century harmony as illustrated in the works of Haydn, Mozart, Beethoven, Brahms, Franck, etc.

763. ADVANCED ORCHESTRATION. (3-0) *Credit 3.* Scoring for full symphony orchestra.

783. CONTRAPUNTAL AND CHROMATIC DICTATION. (3-0) *Credit 3.* Dictation and two and three-part counterpoint, and four-part chromatic harmony.

793. CHROMATIC AND MODERN HARMONY. (3-0) *Credit 3.* Harmonic materials and technique from creative and analytical angles; harmonic idiom on the period from the late nineteenth century to the present.

833. ADVANCED ORCHESTRAL CONDUCTING. (3-0) *Credit 3.* Conducting from chamber music and classical symphonic scores; conducting from Romantic and Modern scores. Examination of school music and classical symphonic scores. Examination of school music materials. Interpretation of the larger forms of instrumental music.

883. THESIS. *Credit 3.* A written literary work involving original research or an arrangement of a work, or an original for full symphony orchestra.

953. ADVANCED ANALYTICAL HARMONY. (3-0) *Credit 3.* Harmonic analysis of Chorales of Bach; piano sonatas of Beethoven, violin sonatas of Brahms, and symphonic works of Mozart, Beethoven, Wagner and Franck.

PIANO

Requirements:

Undergraduate recital already given.

1. Three complete concertos
2. Material for two programs
3. Public performance of a concerto; chamber ensemble, and one recital program

Four hours of daily practice; two one-hour lessons, one hour studio class each week; if possible, three hours each semester

12 to 15 hours credit required (In Piano alone, 30 hours total for degree)

MUSIC 613—Credit 3. Three concertos of contrasting type (Mozart, Beethoven, Brahms, Schumann, Chopin, Liszt, Tschaiikowsky, Rachmaninoff etc.)

MUSIC 623—Credit 3. Sufficient material for two programs including three of four major compositions of the classical and romantic school. These programs should also include a varied selection of the representative modern compositions.

Bach—Italian Concerto, toccatos, transcription by Tausig, Pusioni, Liszt, etc., Chromatic Fantasy and Fugue.

Beethoven—A sonata of the grade of difficulty of Op. 53, 57, 109, 110, 111, or Chopin Sonata, and an earlier sonata; or one of Mozart, or a modern one.

Romantic Composers—Schumann—(Etudes Symphoniques); Franck—(Prel., Choral and Fugue) Brahms-Handel—(Variations and Fugue); Liszt—(Sonata, etc.)

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

MUSIC 713—Credit 3. Must give a public recital of a concerto in its entirety; some ensemble (Chamber, if possible), and a complete piano program.

MUSIC 723—Credit 3. Must have two sequences in minor cognates as: Aural Theory, Written Theory, Music Literature, Music Education or non music subjects for which the student has adequate preparation. Also if desired, applied music other than piano.

VOICE

Requirements:

Undergraduate recital already given.

1. Two complete roles appropriate to the voice
2. Two complete oratorio roles.
3. Public performance with orchestra (an aria); one recital (artist's).

Three hours of daily practice. 2 one-hour lessons; one hour studio class if possible each week. 3 hours credit each semester.

12 to 15 hours credit required in voice alone (30 hours total for degree)

MUSIC 633—Credit 3. A minimum of 6 songs in each of the four languages (in addition to the undergraduate degree)—English, French, German and Italian.

MUSIC 643—*Credit 3.* Four arias (Languages not specified).

753. THE TEACHING OF VOCAL AND INSTRUMENTAL MUSIC IN THE ELEMENTARY SCHOOL. (3-0) *Credit 3.* The organization and administration of rhythm bands and small instrumental groups in the elementary school.

DEPARTMENT OF PHYSICAL EDUCATION AND HEALTH REQUIREMENTS FOR MASTER OF SCIENCE DEGREE IN PHYSICAL EDUCATION

Students without undergraduate major or minor in Physical Education will be required to complete additional courses designed to give them competence in the areas of subject matter that are basic to this field. A demonstration of skill in teaching a wide variety of Physical Education activities is required. Courses listed below are prerequisite courses:

I. BASIC SCIENCE:

A. Minimum

1. Zoology (or its equivalent)
2. Anatomy
3. Physiology

II. HEALTH EDUCATION COURSES:

A. Minimum (choice of two)

1. Personal Hygiene
2. Principles of Health Education
3. Methods of Health Education
4. Health Education

III. TECHNICAL TRAINING IN PHYSICAL EDUCATION

A. Minimum 12 hours and 2 semesters of practice

- | | |
|---|-------------|
| 1. Physical Education Practice | 2 semesters |
| 2. Introduction to Physical Education | 3 hours |
| 3. History and Principles of
Physical Education | 3 hours |
| 4. Organization and Administration
of Physical Education | 3 hours |
| 5. Methods and Materials in
Physical Education | 3 hours |

Students with an undergraduate major or its equivalent, requirements for Master of Science degree in Physical Education:

I. BASIC SCIENCE

A. Minimum: 6 hours

- | | |
|--|---------|
| 1. Physiology of Muscular exercise | 3 hours |
| 2. Kinesiology | 3 hours |

II. HEALTH EDUCATION COURSES

A. Minimum 3 hours

- | | |
|---|---------|
| 1. Methods in Health Education
(Or its equivalent) | 3 hours |
|---|---------|

III. TECHNICAL TRAINING IN PHYSICAL EDUCATION

- A. Minimum 12 hours
1. Playground and Community Recreation 3 hours
 2. Administrative Problems in Physical Education 3 hours
 3. Intramural Athletics 3 hours
 4. Tests and Measurements in Physical Education 3 hours
 5. Organization and Administration of High School Athletics 3 hours

MINOR IN PHYSICAL EDUCATION

Students without an undergraduate major or minor in Physical Education will be required to complete additional courses. Listed below are prerequisite courses to a minor in Physical Education.

I. BASIC SCIENCE

- A. Minimum 8 hours
1. Zoology (Or its equivalent) 4 hours
 2. Anatomy and Physiology 4 hours

II. HEALTH EDUCATION COURSES

- Minimum: (Choice of one) 3 hours
1. Personal Hygiene 3 hours
 2. Methods of Health Education 3 hours

III. TECHNICAL TRAINING IN PHYSICAL EDUCATION

- A. Minimum: 10 hours
1. Physical Education Practice 4 hours
 2. Introduction to P. E. 3 hours
 3. Methods and Materials of Teaching Physical Education 3 hours

Students who have satisfied the above requirements may minor in Physical Education by following the schedule below:

I. HEALTH EDUCATION COURSES

- A. Minimum: Choice of one (3 sem. hrs)
1. Principles of Health Education 3 hours
 2. Methods of Health Education 3 hours

II. TECHNICAL TRAINING IN PHYSICAL EDUCATION

- A. Minimum: (Choice of three) (9 sem. hrs.)
1. Organization and Adm. of P. E. 3 hours
(or) Organization and Adm of High School Athletics
 2. Methods and Materials in Physical Education
(or) Methods and Materials in Elem. Schools.. 3 hours
 3. Intramural Athletics 3 hours
(or) Playground and Community Recreation

PHYSICAL AND HEALTH EDUCATION

Prerequisites for a graduate major will ordinarily consist of not less than 20 semester hours of undergraduate credits in the chosen field or in some related field. A graduate minor will ordinarily be based upon not less than 12 semester hours of undergraduate work.

If the transcript of the undergraduate record of a student does not meet the above qualifications, additional satisfactory undergraduate work will be required before the student is admitted to graduate status.

It should be clearly understood that admission to the graduate school does not imply admission to candidacy for a degree.

Courses for which graduate credit may be obtained are numbered above 500. Courses numbered from 300 to 499 are for graduates and undergraduates.

Twenty semester hours of work in Physical Education Theory are required for a major, and ten hours of work for a minor.

Courses in Health Education have been listed under education.

COURSES

613. INDIVIDUAL PHYSICAL EDUCATION. (3-0) *Credit 3.* I or II. Making a Physical Education program meet the needs of handicapped individuals; fundamental principles in the selection and adoption of activities in corrective procedure; abnormal physical conditions that come to the care or attention of the physical director; lectures, recitations, demonstrations, reports. Prerequisites: Physical Education 314 and 324.

623. PHYSIOLOGY AND EXERCISES. (3-0) *Credit 3.* I or II. Effects of physical education activities on the individual; general affects of exercise upon bodily functions and affects of special types of exercise upon bodily functions.

633. METHODS AND MATERIALS OF TEACHING HEALTH AND PHYSICAL EDUCATION IN ELEMENTARY SCHOOLS. (3-0) *Credit 3.* Study of fundamental play needs of children of elementary school level; selection of appropriate equipment and the formation of tentative curriculum.

663. ADVANCED COURSE IN COACHING. (3-0) *Credit 3.* I or II. All phases of team play in football, basketball, track and field athletics; coaching problems.

643. CONDITIONING OF ATHLETES AND CARE OF INJURIES. (3-0) *Credit 3.* I or II. Conditioning athletes for the various sports; a practical course in First Aid and the care of injuries in the athletic program.

653. ADMINISTRATIVE PROBLEM IN PHYSICAL EDUCATION. (3-0) *Credit 3.* I or II. Coordination of the different phases of the program; administrative problems of physical education intramural and inter-collegiate athletics.

663. **ADVANCED PERSONAL AND COMMUNITY HYGIENE.** (3-0) *Credit 3.* I or II. Survey of significant facts related to hygiene and physiology as they bear upon personal and community life; health agencies which function in community living.

672. **HISTORY AND SURVEY OF THE DANCE.** (2-0) *Credit 2.* I or II. Materials and methods in all phases of the dance.

683. **TUMBLING PYRAMIDS AND STUNTS.** (3-0) *Credit 3.* I. Open to both men and women; tumbling, pyramids, and stunts in line with the ability of the class; advance work as the progress of the class permits.

693. **METHODS AND MATERIALS OF TEACHING PHYSICAL EDUCATION IN HIGH SCHOOL AND COLLEGE.** (3-0) *Credit 3.* II. Selection and presentation of material for activities; methods, organization, and teaching techniques.

REQUIREMENTS FOR A MINOR IN HEALTH EDUCATION

Prerequisites to a minor in Health Education

I. BASIC SCIENCE

A. Minimum: 4 hours

1. Zoology (or its equivalent) 4 hours

II. TECHNICAL TRAINING IN HEALTH EDUCATION

A. Minimum: 6 hours

1. Personal Hygiene 3 hours

2. Health Education 3 hours
(or, its equivalent)

Students who have satisfied the above requirements may minor in Health Education by following the schedule below:

I. TECHNICAL TRAINING IN HEALTH EDUCATION

A. Minimum: 12 hours

1. Public School and Community Hygiene 3 hours

2. Principles of Health Education 3 hours

3. Methods and Materials in
Health Education 3 hours

4. Driver Education and Training
(or its equivalent) 3 hours

5. Mental Hygiene (Psychology) 3 hours

POLITICAL SCIENCE

Students entering upon their graduate studies concentrating in Political Science must elect Political Science 563 the first semester of residence and also at least one seminar in Political Science in which the student must write an acceptable investigative paper showing the mastery of writing technique and scholarly proficiency.

Prerequisites for a major in Political Science are: (1) an undergraduate major in Political Science, 30 semester hours of credit; or (2) undergraduate minor in Political Science, 18

semester hours; or (3) a major in Social Science with six semester hours in American Government. Those students who had an undergraduate major in Political Science may elect at least twenty semester hours in Political Science from four of the six fields listed below. Those who present a minor in Political Science will be required to elect 24 semester hours in four of the six fields required. Social Science majors will be required to present 24 semester hours in six fields of concentration. All other students desiring to major in Political Science will be required to complete thirty semester hours in the six fields of concentration as listed in the suggested program below.

Majors in Political Science are required to select courses from the following six fields of concentration: (1) American Government; (2) Foreign Governments; (3) Political Parties; (4) Methodology and Theory; (5) Public Administration; and (6) International Law and Relations. Programs of study should be outlined in consultation with the Professor of Political Science.

SUGGESTED PROGRAM FOR MAJOR IN POLITICAL SCIENCE FOR THE MASTER'S DEGREE

Course	Hours
1. American Government	
Political Science 603 and 633, Constitutional Law	6
2. Foreign Governments	
Political Science 503, International Organization	3
Political Science 733, Far East	3
3. Political Parties	
Political Science 723, Political Parties and Election Problems	3
4. Methodology and Theory	
Political Science 703, Political Theory	3
Political Science 563, Bibliography and Methods of Research	3
5. Public Administration	
Political Science 573, Public Administration	3
6. International Law and Relations	
Political Science 533 and 543, American Foreign Relations	6
	30

I. AMERICAN GOVERNMENT

513. AMERICAN LOCAL RURAL GOVERNMENT. (3-0) *Credit 3.* II. Governmental organization and functions of countries, townships and villages; rural government and school boards in Texas.

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

II. POLITICAL PARTIES

723. SEMINAR IN POLITICAL PARTIES AND ELECTION PROBLEMS. (3-0) *Credit 3.* II. Selected election problems in the Southwest; Negro suffrage and voting participation in Texas

III. FOREIGN GOVERNMENT

503. SEMINAR IN INTERNATIONAL ORGANIZATION. (3-0) *Credit 3*. I or II. Description and evaluation of agencies and procedures of international cooperation devised by states during the past 100 years; emphasis on the period since World War I.

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

IV. METHODOLOGY AND THEORY

703. SEMINAR IN POLITICAL THEORY. (3-0) *Credit 2 or 3*. History of political thought from the days of Ancient Greece to the present.

563. BIBLIOGRAPHY AND METHODS OF RESEARCH. (3-0) *Credit 3*. Bibliographies; studies in the use of public documents and other sources of materials; investigation and reports on special research problems. This course is required of all majors in Political Science and is offered as Sociology 563. Political Science majors register for Political Science 563.

V. PUBLIC ADMINISTRATION

563. SOCIAL LEGISLATION. (3-0) *Credit 3*. Federal and state laws; administration of these laws; degrees of social security.

633 and 603. AMERICAN CONSTITUTIONAL LAW. (3-0) *Credit 3*. I and II. Principles of American constitutional law; political theories and national development.

563. SEMINAR IN PUBLIC ADMINISTRATION. (3-0) *Credit 3*. II. The American administrative system; and common problems underlying branches of administration; lectures, individual and group reports on some aspect of Texas Administration. Each member of the class will be required to make a written term report on some phase of public administration.

VI. INTERNATIONAL LAW AND RELATIONS

743. SEMINAR IN COMPARATIVE GOVERNMENT AND ADMINISTRATION. (3-0) *Credit 3*. II. British political institutions; contemporary government forms and functions in Europe and America; political theories and philosophies.

713. SEMINAR IN COLONIAL GOVERNMENT AND PROBLEMS OF IMPERIALISM. (3-0) *Credit 3*. The historical imperial system; colonial governments and the problems of imperialism today.

503. SEMINAR IN INTERNATIONAL ORGANIZATION. (3-0) *Credit 3*. Agencies and procedures of international cooperation during the past 100 years with emphasis on the period since World War I.

533 and 543. AMERICAN FOREIGN RELATIONS, 1775 TO THE PRESENT. (3-0) *Credit 3*. I and II. The United States in its relation with the world; public opinion, the economic, social and political forces that have determined American foreign policy; and agencies through which policy has been executed.

613 and 623. PUBLIC INTERNATIONAL LAW. (3-0) *Credit 3*. I and II. The law of the international community; historic developments.

SOCIAL SCIENCE

The Social Science program is designed for those persons who desire a teaching major in the field of the social studies. The program takes into account the current variations in the organization of social studies in the schools and offers opportunity for specialization within the social science area; attention is given to the interrelationships of the various social studies to the subject matter, teaching procedures, and materials in which all teachers of social studies have a common interest, and to the development in the schools of correlated and integrated programs.

Those who desire a major in Social Science must have had an undergraduate major in Social Science or one of the social sciences—history, economics, political science or sociology. For those who have not had an undergraduate major in social science or one of the social sciences as indicated above they must present a minimum of twenty-one semester hours in the social sciences before credit may be earned on a graduate major in Social Science.

Those who desire a minor in Social Science are required to take one of the methods courses—Education 763 or Education 673, Industrial Education 593, History 803 and Sociology 803.

Electives or minor on the graduate level may be taken in any of the Social Sciences for which the student has the prerequisites.

The following courses and experiences are required for a graduate Social Science major:

ECONOMICS

803. ELEMENTARY EDUCATIONAL ECONOMICS. (3-0) *Credit 3.* Current economic problems showing what the schools might do to help solve these problems. Materials for elementary and secondary schools, functional school curriculum dealing with the main areas of American life. Economic factors underlying unemployment, the peace, resources, a national minimum and ways in which the schools should deal with these issues. Particularly valuable to elementary and secondary school teachers and other educators who have had little or no work in economics.

EDUCATION

673. TEACHING OF SOCIAL STUDIES IN THE SECONDARY SCHOOLS. (3-0) *Credit 3.* General methods treating the curriculum, methods and materials of successful high school teaching. or

763. TEACHING SOCIAL STUDIES IN THE ELEMENTARY GRADES. (3-0) *Credit 3.* Emphasis upon improving the social learning which grows out of the entire life of children both in and out of school. Selection and organization of content, learning activities, problem solving and social action skills, building social values and developing methods of unified and correlated social studies program.

GEOGRAPHY

803. INDUSTRIAL AND COMMERCIAL GEOGRAPHY. (3-0) *Credit 3.* Fundamental geographic factors which enter into the production, distribution and consumption of raw materials of food, clothing, shelter, metals and mineral fuels-fundamentals of manufacturing and principles of commerce.

HISTORY

803. MODERN AMERICA: SELECTED TOPICS IN AMERICAN HISTORY AND PROBLEMS OF DEMOCRACY. (3-0) *Credit 3.* Aspects of immigration, imperialism, labor and industrial advancement, agricultural adjustments, changing role of the United States in World affairs, and impact of the War on American life. Parallel and contrasting developments in Canada and Mexico. Attention to materials for high school classes.

INDUSTRIAL EDUCATION

593. AUDIO AND VISUAL EDUCATION. (3-0) *Credit 3.* Study of the various audio and visual aids with emphasis on selection, evaluation and technique of educational use; construction and development of various aids and devices; sources of available materials in the fields; practical experience in use of aids as movie projectors, slides, film strips, opaque projects, etc.

POLITICAL SCIENCE

803. GEOPOLITICS. EUROPE AND THE NEAR EAST. (3-0) *Credit 3.* Principles of political geography and their application to current history. Geopolitical problems of the Great Powers: Russia, Britain, United States, Germany, Italy and France and requirements for a lasting world peace.

SOCIOLOGY

803. COMPARATIVE CULTURES AND INTERNATIONAL UNDERSTANDING. (3-0) *Credit 3.* Comparison of various world cultures and an analysis of the problems of international understanding, migration of races and peoples, rise of contrasting cultures, problems of inter-cultural conflict and cooperation; world religious and international missionary enterprise; colonial peoples and national minorities, cultural relations and international education. Each student given opportunity to study intensively one particular culture. Use to be made of teaching materials, resources, and films to promote international understanding.

SOCIOLOGY

Students seeking a Master's degree in Sociology should consider the following objectives and requirements:

1. A development of knowledge sufficient to make community surveys necessary for the formulation of programs of community organization.
2. A development of interest and ability of the student in the field of scientific sociology.
3. The development of an appreciation of and ability to interpret native and folk culture of the Nation and the Southwest.
4. The development of the ability to interpret mass behavior so as to make such interpretation functional in leadership.

REQUIREMENTS

Students who major in Sociology must present a minimum of 9 semester hours in undergraduate Sociology with substantial credits in History, Political Science or Economics. Students who have had fewer than 18 hours will be required to complete additional undergraduate hours in Sociology before receiving a Master's Degree.

Students who minor in Sociology should present a minimum of 9 undergraduate hours in any of the Social Sciences.

403. INTRODUCTION TO SOCIAL CASE WORK. (3-0) *Credit 3.* I and II. Presents the point of view of the social case worker regarding human relationships, and appreciation of needs and problems causing individuals to seek help of social agencies and some understanding of the basic process of social case work practices; board cultural as well as practical value to students going into social work, teaching (especially visiting teaching), medicine, and related professions.

423. INTRODUCTION TO SOCIAL GROUP WORK. (3-0) *Credit 3.* I or II. Fundamentals of professional group work. Deals specifically with group process and behavior, interpersonal relations, the contribution of allied fields, leadership, program, and agencies as a background for employment, in-service training, or professional education.

503. INTRODUCTION TO SOCIAL WELFARE. (3-0) *Credit 3.* I or II. Historical development of social work; fields of specialization; functions of agencies; job opportunities; and contributions of outstanding leaders. Prerequisites: Nine hours of sociology.

513. SOCIAL THEORY. (3-0) *Credit 3.* I. Historical development of theories of social science; the process by which sociology and the various social sciences came into systematic bodies of knowledge. Prerequisites: Twelve hours of sociology.

523. JUVENILE DELINQUENCY. (3-0) *Credit 3.* II. Nature, extent, and conditions giving rise to Juvenile delinquency; outstanding literature surveyed; programs treating delinquency discussed. Prerequisite: Six hours of Sociology including Criminology.

533. INTRODUCTION TO THE FIELD OF SOCIAL WORK. (3-0) *Credit 3.* I or II. An Orientation Course in the history and field of Social Work. Case work, group work, and social welfare planning as well as professional organization are considered. Required for majors and minors in Social Service.

543. URBAN SOCIOLOGY. (3-0) *Credit 3.* I. Considers the city and its hinterland as a sociological entity; urban neighborhoods, population groupings and movements, social processes, trends, and problems are treated in the light of historical, ecological and social factors.

563. SOCIAL RESEARCH. (3-0) *Credit 3.* II. A study of the various methods of social investigation, such as the social survey, the case study methods, historical, statistical and ecological techniques. Emphasis is placed on the collection, analysis and interpretation of different types of information in connection with special problems of social research. Students are required to complete an individual piece of social investigation.

573. SOCIAL STATISTICS. (3-0) *Credit 3.* II. Techniques of calculating values common to statistical analysis; simple measures of central tendencies through correlation and regression; speed and accuracy on calculating machine emphasized.

583. ANTHROPOLOGY. (3-0) *Credit 3.* I or II. A study of the origin and development of human culture. Special emphasis is placed upon schools of culture and contemporary culture. Prerequisites: Nine hours of Sociology.

593. SOCIOLOGY SEMINAR. (3-0) *Credit 3.* I or II. For seniors and graduate students desiring to do independent research or study in fields not covered by current offerings. A staff member supervises the work of each student.

603. PROBLEMS OF CHILD WELFARE. (3-0) *Credit 3.* I or II. A study of child welfare movements and of contemporary children's agencies and their services. Includes programs for improving the home and for substitute care, safeguarding health, employment protection, delinquency prevention, and other needs of children and youth.

643. MODERN SOCIAL PROBLEMS. (3-0) *Credit 3.* II. Analysis of processes of personal, family and community disorganization, methods and measures of social reform. Prerequisites: Six hours of Sociology.

673. ADVANCED SOCIAL STATISTICS. (3-0) *Credit 3.* II. Deductive and inductive statistical methods in which sampling, probability, multiple and partial correlation, variance, and special population techniques are emphasized. Prerequisites: Sociology 573.

693. PSYCHIATRIC ASPECTS OF SOCIAL WORK. (3-0) *Credit 3.* II. The influence of modern psychiatry upon social work practices; development and functioning of the emotional life of the individual and the dynamics of behavior. Prerequisite: 12 hours of Sociology or Social Service.

733. CRIMINOLOGY. (3-0) *Credit 3.* I. Nature, extent and causes of crime; various schools of criminology, individualization of criminal treatment, and modern techniques of criminal investigation. Prerequisites: Sociology 213 and 223.

SCHOOL OF ENGINEERING

In the School of Engineering, advanced work is offered leading to the degrees of Master of Science and Master of Education in the field of Industrial Education, and minor graduate work is offered in the fields of Engineering.

Prerequisite to graduate work in these fields, is the completion of a four-year curriculum from a College or University of recognized standing, substantially equivalent to that required of undergraduates in the School of Engineering. Students desiring to do graduate work who do not have the necessary prerequisites will be required to make up all deficiencies as directed by the Dean of the School of Engineering before they will be permitted to begin graduate courses.

To qualify for the Master's Degree with a major in Industrial Education, at least fifteen (15) semester hours of the total required must be in courses offered to graduate students only. Also, all students will be required to take the course in Industrial Education 763-Research and Thesis Writing. Two thirds of the work should be in the major field of Industrial Education, and one third should be in a minor field chosen with the advice and approval of the Dean of the School of Engineering.

For advanced work in the School, good library facilities and laboratory equipment are provided to carry on the work suggested. Certain research problems may be made available in cooperation with other departments of the College.

ARCHITECTURE

713-723. **ADVANCED ARCHITECTURE.** (0-9) *Credit 3.* I and II. Advanced problems in Architectural design; creative and functional use of materials.

733-743. **CITY PLANNING.** (0-9) *Credit 3.* II. Relation of urban elements to the city; residential, business, industrial, recreational, and municipal areas; transportation, traffic and street systems.

CIVIL ENGINEERING

503. **EARTH MASONRY STRUCTURES.** (2-3) *Credit 3.* I, II. Design and construction of dams, retaining walls, abutments and piers, culverts, grain elevators and bins.

513. **PUBLIC HEALTH ENGINEERING.** (3-0) *Credit 3.* Design of water purification works and principles of sanitation.

533. REINFORCED CONCRETE DESIGN. (2-3) *Credit 3.* I. Theories of action of beams, slabs, arches, footings, retaining walls, and columns of reinforced concrete; codes and specifications and their influence on design; rigid frames and effect of continuity.

563. STATICALLY INDETERMINATE STRUCTURES. (1-6) *Credit 3.* II. Outer forces, reactions, moments and shears for fixed and moving loads, the use of influence lines, the determination of deflections of structures by methods of moment areas, elastic loads, virtual work and Williot diagrams; methods of solution for stresses in statically indeterminate structures by virtual work, slope deflection, and moment distribution; continuous beams, trusses, building frames and arches. Prerequisite: Civil Engineering 353.

743. STRUCTURAL THEORY AND DESIGN. (2-3) *Credit 3.* II. Statically indeterminate trusses, continuous trusses; steel arches; secondary trusses; suspension bridges; long span roofs; skeleton steel buildings and space structures.

753. ADVANCED STRENGTH OF MATERIALS. (3-0) *Credit 3.* I, II. Special problems met in engineering, limitations of the flexure and torsion formulas, unsymmetrical bending, curved beams, combined stresses, thin tubes, thick hollow cylinders, flat plates and localized stresses.

763. WATER POWER ENGINEERING. (2-3) *Credit 3.* II. Estimates of water power from steam flow data; theory and practice of hydraulic turbines; elements of design of dam, waterway and power house; cost and value of water power.

773. RESEARCH IN CIVIL ENGINEERING. *Maximum credit 9 hours.* Original investigation or advanced study in some field related to the practice of Civil Engineering.

ELECTRICAL ENGINEERING

513. ADVANCED COMMUNICATION CIRCUIT ANALYSIS. (3-0) *Credit 3.* Theorems and properties of communication net works in steady-state and transient conditions.

533. ULTRA-HIGH FREQUENCIES. (3-0) *Credit 3.* I, II. Radio transmission and reception, including ultra-high frequency techniques.

533. ELECTRIC POWER GENERATION. (3-0) *Credit 3.* I, II. Economics and technique of electric power generation. Effect of load curve on costs; thermal efficiency and commercial economy of various heat cycles; general layout of the generating station; division of load among generating units; by-products generation.

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

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

GENERAL ENGINEERING

513. ADVANCED SHOP PRACTICE. (0-9) *Credit 3.* I. Heat treatment, machine tool work, welding, jig, fixtures, pattern making, and any shop work that may be of special interest to student. All assignments must be approved by the Dean of the School of Engineering.

523. SURVEY OF INDUSTRIAL PRODUCTS. (1-6) *Credit 3*. I and II. Survey of the design methods used in industry, methods of presentation, production methods, and client designer relations. Prerequisites: General Engineering 122 and Architecture 212.

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.

562. ADVANCED DESCRIPTIVE GEOMETRY. (1-5) *Credit 2*. I, II. Graphical representation and the application of plane and space curves; advanced problems in single curved and doubled surfaces including the convolute and their developments; fundamentals of perspective and other pictorial means of representation.

INDUSTRIAL EDUCATION

512. CURRICULUM CONSTRUCTION AND COURSE MAKING IN INDUSTRIAL EDUCATION. (2-0) *Credit 2*. I. Principles of curriculum construction and course making; study of curriculum concepts as have prevailed in modern education; comparative study of Industrial Education curricula as used throughout leading high schools; analytical technique in curriculum construction; course making and syllabus construction.

523. TESTS AND MEASUREMENTS IN INDUSTRIAL EDUCATION. (3-0) *Credit 3*. II. Sources of instructional testing and evaluating materials; construction and use of test and evaluating devices; administering, scoring, recording and interpreting tests, progress charts, diagnosis of difficulties, analysis of teaching problems as related to evaluation.

533. INSTRUCTIONAL METHODS IN INDUSTRIAL EDUCATION. (3-0) *Credit 3*. I. Study of methods devices, techniques as applied to teaching industrial subjects; analysis and evaluation of student learning difficulties and teaching responsibilities in industrial classes; also study of the nature, preparation and use of instruction sheets.

542-3. TRADE AND JOB ANALYSIS. (2-0) (3-0) *Credit 2 or 3*. II. Analysis technique as it has been developed by various leaders in Industrial Education; job analysis for the purpose of determining the content of training for an occupation; related content analysis for determining what should be taught as classroom material; analysis of a trade, industry or industrial plant for determining the general outline of a program of trade or industrial training.

563. THE GENERAL SHOP. (3-0) *Credit 3*. II. The general shop organization, its contribution to attainment of cardinal objectives on the modern high school, current practices as to type of shops, equipment, instructional materials and procedures.

583. INDUSTRIAL ARTS FOR THE ELEMENTARY SCHOOL. (2-0) *Credit 2*. I and II. A course designed for teachers, supervisors, principals of elementary schools. Fundamental concepts, philosophies of Industrial Arts in the elementary school; function and scope, organization, administration, activities and methods of teaching Industrial Arts on the elementary level.

593. AUDIO AND VISUAL EDUCATION. (3-0) *Credit 3*. II. Study of the various audio and visual aids with emphasis on selection, evaluation and

technique of educational use; construction and development of various aids and devices; sources of available materials in the field; practical experience in use of aids as movie projectors, slides, film strips, opaque projects, etc.

712-3. ADMINISTRATION AND SUPERVISION OF INDUSTRIAL ARTS EDUCATION. (2-0) (3-0) *Credit 2 or 3*. I. How to organize, supervise and administer functioning programs of Industrial Arts; the duties of a supervisor and director of Industrial Arts; special problems of supervision and Administration of Industrial Arts; relationships to local, state and federal educational authorities, correlating Industrial Arts with other phases of education.

722-3. ADMINISTRATION AND SUPERVISION OF VOCATIONAL-INDUSTRIAL EDUCATION. (2-0) (3-0) *Credit 2 or 3*. II. The administration and supervision of Vocational-Industrial Education in all day, part-time and evening programs, apprenticeship, school-industry programs, vocational rehabilitation; relation of federal to state, state to local each to the other; a study of the legal administrative and supervisory aspects of Vocational-Industrial Education as it operates under the Smith-Hughes and George-Borden Act; also, the State Plan for Vocational Education.

732-3. PHILOSOPHY OF INDUSTRIAL EDUCATION. (2-0) (3-0) *Credit 2 or 3*. I. Fundamental concepts of progressive Industrial Education; principles, beliefs, and assumptions in regard to Industrial Education; its objectives and relationship to other phases of education; its justification in the total scheme of modern education.

743. THE HISTORY OF INDUSTRIAL EDUCATION. (3-0) *Credit 3*. II. A survey of the early movements, experiments and writings concerning leaders of the United States and European countries. Intensive study of developments in Industrial Education since 1850. A comparative study of leaders, movements, institutions and literature in the field of Industrial Education.

753. PRACTICES IN INDUSTRIAL EDUCATION. *Maximum credit 6 hours*. Development of current problems as reflected through the merging of practical experience with theoretical and scientific concepts.

763. RESEARCH AND THESIS WRITING. (3-0) *Credit 3*. I and II. Required of all majors in Industrial Education. Methods and techniques of research writing and reporting. Designed especially for students who are to write thesis or lesser reports.

783. PROBLEMS IN INDUSTRIAL EDUCATION. (3-0) *Credit 3*. I and II. Conferences and advisement in selection and preparation of an acceptable term paper or essay. Prerequisite: I. E. 763.

792-4. THESIS IN INDUSTRIAL EDUCATION. (2-0) (4-0) *Credit 2 or 4*. Conferences and advisement in relationship to the selection and preparation of an acceptable thesis for the Master of Science Degree. Prerequisite I. E. 763.

MECHANICAL ENGINEERING

503. REFRIGERATION. (3-0) *Credit 3*. I or II. The application of thermodynamics to problems of refrigeration; types of refrigerating machines and plants, refrigerants, icemaking, cold storage, cooling of air liquids and solids, construction details of commercial and household refrigerating plants and their economic operation.

513. THERMODYNAMICS. (3-0) *Credit 3*. Concept of temperature, work First and Second Laws of Thermodynamics; heat, Ideal Gases. Reversibility and irreversibility; Carnot Cycle and Kelvin temperature, Entropy; steam engine, Chemical Thermodynamics; Ideal gas reactions.

523. FLOW OF FLUID AND HEAT TRANSFER. (3-0) *Credit 3*. I or II Review of first and second laws of thermodynamics, compressors, refrigeration cycles. The design of apparatus for heat transfer by conduction, convection, and radiation, with particular reference to heat exchangers, air preheaters, economizers, evaporators, boilers and condensers.

613. ATOMIC PHYSICS. (3-0) *Credit 3*. Elements of electricity and magnetism; Waves and particles. Extra-Nuclear Structure of the atom; Compton Effect, Franck Effect, Photo electric effect, energy levels; Natural radioactivity, Disintegration of nuclear; Nuclear Fission.

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

713. ADVANCED ENGINEERING THERMODYNAMICS. (3-0) *Credit 3*. I, II. Review of basic concepts and laws. Equations of state and thermodynamic properties of gases, vapors, and mixtures. Thermodynamic functions and their differential relations. Analysis of thermodynamic cycles with critical examination of concepts of efficiency, availability, and other loss measurements. Thermodynamic equilibrium, supersaturation and super cooling, and combustion.

723. ADVANCED MACHINE DESIGN. (3-0) *Credit 3*. I or II. The advanced phases of machine design including advanced statics, vibration, dynamics and stress analysis applied to machines. Material selection, force and shrink fits, brakes, clutches, lubrication theory and practice, gear and flywheel design. Design practice and machine layout.

733. DYNAMICS OF MACHINERY. (3-0) *Credit 3*. II. Advanced dynamics of machinery; inertia effects, torque characteristics, flywheel design and the balancing of multiple cylinder engines and compressors; critical speed and the design of turbine drums.

793. RESEARCH IN MECHANICAL ENGINEERING. *Maximum credit 9 hours*. Original investigation or advanced study in the field of Mechanical Engineering.

SCHOOL OF HOME ECONOMICS

GENERAL HOME ECONOMICS

Prerequisites: Students desiring to major in Home Economics must present undergraduate subject matter credits in certain of the following: Social Sciences, physical sciences, biological sciences, art, and education, which shall be satisfactory to the adviser under whose direction the major work is to

be done. In addition the student must have adequate undergraduate training in that field of Home Economics in which she wishes to specialize.

A "split major" may be taken in Home Economics Education and General Home Economics; a minor may be selected in General Education, Administration and Supervision, or Rural Education. Students may also major in Home Economics Education and minor in General Home Economics, or in General Education, or in Administration and Supervision, or in Rural Education.

GENERAL HOME ECONOMICS COURSES

563. CONSUMER ECONOMICS. (3-0) *Credit 3*. I and II. Family budgets, marketing, price control and other problems.

703. SEMINAR IN NUTRITION. (3-0) *Credit 3*. I and II. Review and interpretation of the literature of this field, emphasizing recent advances and involving individual assignments and reports.

733. SEMINAR IN FOODS. (3-0) *Credit 3*. I and II. Reviews and interpretations on the field of foods and experimental food preparation, involving individual assignments and oral and written reports.

753. CLOTHING SEMINAR. (3-0) *Credit 3*. I and II. Aspect of clothing which directly or indirectly affect the consumer.

773. ADVANCED CLOTHING FOR GRADUATE STUDENTS. (3-0) *Credit 3*. Advanced problems in garment construction; selection, design and construction of suitable clothing for both children and adults.

HOME ECONOMICS EDUCATION

523. RESEARCH PROBLEMS. (3-0) *Credit 3*. I and II. Methods used in collection, treatment and interpretation of data in the field of Home Economics. (Formerly called "Organization and Presentation.")

543. ADVANCED METHODS. (3-0) *Credit 3*. I and II. Newer trends in teaching Home Economics.

593. HOME ECONOMICS CURRICULUM. (3-0) *Credit 3*. I and II. The objectives of home economics in high schools; recent surveys and other methods used in determining content of curricula.

723. MEASUREMENT. (3-0) *Credit 3*. I and II. Home Economics subject matter tests, scales, construction and evaluation of objective devices.

743. STATISTICAL TECHNIQUES. (3-0) *Credit 3*. I and II. Methods of interpretation and utilization of test data.

793. SUPERVISION. (3-0) *Credit 3*. I and II. Principles of supervision as applied to homemaking and Home Economics teaching and learning.

3X3. RESEARCH. (3-0) *Credit 0*. I or II. Thesis involving extensive study of chosen problems.

MASTERS DEGREES CONFERRED—1938-1951

1938-1939

- HARRISON, ARMYE J. Major—Administration and Supervision Minor—Rural Sociology
Thesis: A Case History of Pickard High School, Brenham, Texas, 1949
- RHONE, FREDIA E. Major—Rural Sociology Minor—Rural Education
Thesis: The Recreational Activities of Rural Youth in Waller County, Texas, 1939-40
- DAVIS, WILLIAM L. Major—Administration and Supervision Minor—General Education
Thesis: A Coordinating Community Program
- GOODEN, JOHN EDDIE Major—Administration and Supervision Minor—Sociology
Thesis: A Comparative Study of the Family Background
- MAYFIELD, CHARLOTTE Major—Administration and Supervision Minor—Sociology
Thesis: Improving the Curriculum
- PUNCH, OSSALEE V. Major—Administration and Supervision Minor—Rural Sociology
Thesis: A Tentative Guidance Program
- WILLIAMS, WILLIE LEE Major—Administration and Supervision Minor—Rural Sociology
Thesis: History of Booker T. Washington High School

1940-1941

- ARCHIA, ERNEST A. Major—School Administration Minor—Political Science
Thesis: A Ten Year Follow-Up Study of the Sixty Graduates and Ninety-Two Drop-Outs of the George Washington Carver High School, Goose Creek, Texas
- BURTON, T. H. Major—Administration and Supervision Minor—Rural Education
Thesis: A Recommended Program of Principal-Teacher Supervision For Center Point School, Pittsburg, Texas
- CALDWELL, HERMAN Major—Administration and Supervision Minor—Rural Education
Thesis: Some Causes of Irregular Attendance in the Negro Public School of Texarkana, Arkansas
- COLLINS, STELLA Major—Administration and Supervision Minor—History
Thesis: A Comparative Study of the Compulsory Attendance Laws of the Southern States With Special Emphasis Upon the Attendance Laws of Texas
- FULLER, RUBY W. Major—Home Economics Minor—Administration and Supervision
Thesis: The Effect of Home Produced Foods Upon the Eating Habits of Pre-School Children in Henderson County, Texas
- HALL, OLIVIA W. Major—General Home Economics Minor—General Education
Thesis: Homemaking Unit For Adults Based On A Study of the Residents of the D. N. Leathers Slum-Clearance Project at Corpus Christi, Texas
- HAYES, JENNIE V. Major—History Minor—Political Science
Thesis: History of the United Transport Service Employees of America
- HINES, LILLIE BELLE Major—Rural Education Minor—General Education
Thesis: A Comparative Study of Some Current Practices in Elementary Education As Found in Negro Schools in Travis County
- JOHNSON, A. SODERS Major—English Minor—General Education
Thesis: A Proposed Program of Language Arts for Ninth Grade of Booker T. Washington High School, Marlin, Texas
- LIVINGSTON, LORA Major—General Education Minor—Rural Education
Thesis: A Study of the Needs and Possibilities for the Teaching of Art in the Negro Elementary Schools of Houston, Texas
- LUTER, BUCKNER S. Major—Agricultural Education Minor—Administration and Supervision
Thesis: Organizing New Farmers of America For Proficiency in Agricultural Vocations
- McDONALD, A. W. Major—Administration and Supervision Minor—Political Science
Thesis: A Status Study of the Graduates of Central High School for the Five-Year Period, 1932-1936, With Implication for Curriculum Reorganization
- POOLE, SADIE JONES N. Major—Rural Education Minor—Rural Sociology
Thesis: A Study of Methods and Materials As Can Be Applied to the Improvement of Junior High Schools
- REYNOLDS, LOIS Major—Sociology Minor—Economics
Thesis: Sustenance Position of Texas Negro Domestic Servants in the Texas Economy
- RICHARDS, BESSYE Major—Home Economics Education Minor—Sociology
Thesis: A Study of the Effects of Part-Time Employment Upon the Scholastic Achievement of Home Economics Students at Prairie View State College, 1926-1940
- SASSER, ANNIE G.H. Major—Mathematics Minor—Rural Education
Thesis: Functions and Functional Relationships in Secondary Mathematics
- TAYLOR, SAMUEL B. Major—Political Science Minor—Economics
Thesis: The Administrative Organization of the State of Texas
- THOMAS, BESSIE Major—Rural Education Minor—Rural Sociology
Thesis: A Study of the Advantages and Disadvantages of the Consolidated Negro Schools in Waller County, Texas

- TURNER, FALBIA A. Major—Sociology Minor—History
Thesis: Some Factors Giving Rise to Differential Grouping Among the Pupils of Trinity Garden Elementary School of Houston, Texas

1941-1942

- ANDREWS, ROBERT Major—Administration and Supervision Minor—Rural Sociology
Thesis: Availability of Education to Negroes in Waller County, Texas
- ARMSTRONG, IRA E. Major—Administration and Supervision Minor—General Education
Thesis: Historical Study of Public Elementary School in San Antonio, Texas
- BRADY, ARTHUR E. Major—Administration and Supervision Minor—General Education
Thesis: An Appraisal of the Reorganization of the San Antonio Schools
- CLATER, MARIE Major—Administration and Supervision Minor—English
Thesis: An Analysis and Appraisal of the Aims of Negro Teacher-Colleges in Texas
- COLLINS, WILLIAM Major—Agricultural Education Minor—Rural Sociology
Thesis: Health Conditions of One Hundred Negro Households in Schulenburg, Texas
- HERALD, A. CLYDE Major—Chemistry Minor—Education
Thesis: The Formation and Study of Certain Alkamine Esters of Substituted Cinnamic Acids
- JONES, LAURA NICHOLS Major—Administration and Supervision Minor—Rural Education
Thesis: A Survey of the Visual Aids Used In Waller County Schools
- PERRY, VIRGINIA B. Major—Rural Education Minor—Rural Sociology
Thesis: Recreational Activities of Blackshear Elementary School
- WELLS, THELMA N. S. Major—Administration and Supervision Minor—Rural Education
Thesis: Some Reading Deficiencies of Negro Children of Waller County
- WILLIAMS, SAMUEL B. Major—Chemistry Minor—Physics
Thesis: Formation and Study of Certain Benzoin and Some of Their Derivatives

1942-1943

- ALEXANDER, ZELEMOR Major—Administration and Supervision Minor—General Education
Thesis: A Study of the Records Used in Twenty-Five Representative Negro High Schools of Texas
- ANDERSON, CORA BELLE PASLEY Major—Administration and Supervision Minor—Elementary Education
Thesis: The Current Attitude of Teachers Regarding Disciplinary Problems in the Negro Elementary Schools of Houston, Texas
- BARNETT, JEWEL LOVETTA Major—Rural Education Minor—General Education
Thesis: Education Availability for Negro Girls and Boys in Lincoln County, Oklahoma
- BROWN, ANNIE LOIS Major—Home Economics Education Minor—General Education
Thesis: A Study of the Interests and Aversions of Homemaking Pupils in seventy-four Vocational Schools of Texas
- CAMERON, BELLA HOLLEY Major—Administration and Supervision Minor—General Education
Thesis: An Analysis of Progressive Elementary Education With Proposals for the Improvement of Instruction in Cuney Elementary School, San Antonio, Texas
- HARRIS, CORNELIUS ALFRED, JR. Major—Administration and Supervision Minor—General Education
Thesis: An Analysis of Some Factors Affecting Attendance At Booker T. Washington School in Galveston, Texas
- JOHNSON, VALERIE BERTINA Major—Biology Minor—General Education
Thesis: Studies in Abdominal Distention
- JOHNSON, BESSIE HOLLOWELL Major—English Minor—General Education
Thesis: An Investigation in Progress in Reading Ability of One Hundred Senior Pupils of Phillis Wheatley High School, Houston, Texas
- JOHNSON, W. L. D. SR. Major—General Administration Minor—Social Science
Thesis: Organization of the Public Schools in Houston, Texas, 1905-1940
- KILPATRICK, MABEL EUNICE Major—English Minor—Education Administration and Supervision
Thesis: A Study of Reading Achievement at H-6 Grade Level in the Negro Elementary Schools of Houston, Texas
- MULDREW, GEORGIA HILBURN Major—Physical Education Minor—English
Thesis: Factors Influencing the Health of Negroes in Houston, Texas
- SANDERSON, JAMES CHARLES SUMMER Major—Education Minor—Political Science
Thesis: Eliminations in the Wheatley High School in Houston, Texas, 1937-1941
- VAUGHN, FLORENCE E. FOWLER Major—English Minor—Rural Education
Thesis: A Reading Program for the Ninth Grade of the St. Paul High School, Greenville, Texas

WASHINGTON, JORDAN THOMAS Major—Administration and Supervision Minor—Rural Education

Thesis: Adequacy of Public Education for Negroes of Jasper County, Texas

WILSON, LUCELUSTINE WALKER Major—General Education Minor—Education Administration and Supervision

Thesis: A Study of Progressive Education as Practiced in Negro Secondary Schools of Texas

1943-1944

ADAMS, ALLENE ARCHIA Major—History Minor—General Education

Thesis: The Development of the Oil Industry in the Baytown Area, Especially As It Affects the Employment and Welfare of Negroes

BARLOW, MICHEAL K. Major—Administration and Supervision Minor—Rural Education

Thesis: A Study of Retardation in Five Negro High Schools in Fort Ben County, Texas

BLAND, REDA LEE Major—General Education Minor—Mathematics

Thesis: The Function of Mathematics in General Education

BLANKS, VITTORIA C. Major—English Minor—Education

Thesis: The Status of Reading Ability Among Prairie View College Freshmen: An Exploratory Study

BROOKS, WINZOLA DUVAL Major—General Education Minor—Administration and Supervision

Thesis: A Remedial Reading Program Designed to Meet the Difficulties Found in the Fourth Grade of Coles School, Corpus Christi, Texas

BUTLER, EULALIA VELMA Major—Mathematics Minor—General Education

Thesis: Maxima and Minima of Functions of One and Two Variables

CLEMONS, ROSA ELLEN Major—Rural Education Minor—General Education

Thesis: Problem of Studying, Collecting, and Arranging Curriculum Material That May Be Used in the Teaching of Elementary Science for Primary Grades

CONNER, JEFFIE O. A. Major—Home Economics Minor—Rural Sociology

Thesis: A Study of Four Hundred and Sixty Negro Farm Families in Three Texas Counties

CRAWFORD, BERTHA O. Major—Administration and Supervision Minor—Rural Education

Thesis: A Study of a Remedial Reading Program and Its Effect On the Improvement of Reading in the Fifth and Sixth Grades of the Bruce Elementary School, Houston, Texas

FENNOY, THELMA RAND Major—Sociology Minor—Economics

Thesis: The Spatial Distribution of Deaths in the City of Houston, Texas

HATHAWAY, SARAH LEE Major—English Minor—Mathematics

Thesis: Sectioning Freshman English on the Basis of Reading Test Scores

JACKSON, L. K. Major—Educational Administration Minor—History

Thesis: The Organization and Administration of Thirty-Four Selected Small Negro High Schools in Oklahoma

KENYON, MATTIE BELZORA Major—Administration and Supervision Minor—Rural Education

Thesis: A Rural Elementary School Report That Will Meet the Needs of the Pupils, Patrons, and Teachers of the Negro Schools of Oklahoma County

LANGRUM, HENRY CLAY Major—Agricultural Education Minor—Rural Sociology

Thesis: Evidences of Effectiveness of Instruction in Vocational Education Agriculture in Houston County, Texas

MALONE, VERA E. Major—General Education Minor—Rural Education

Thesis: A Suggested Plan for the Education of the Physically Handicapped Children in the Waco Elementary School

MERRICK, PORTIA CONRAD Major—Administration and Supervision Minor—Sociology

Thesis: A Comparative Study of Factors Probably Relating to Attendance in East Baton Rouge Negro Rural Schools

PHILLIP, JIMMIE RUTH Major—Homemaking Minor—General Home Economics

Thesis: A Proposed Survey Course for Freshmen Home Economics Students at Prairie View Normal and Industrial College

RANDALE, IRENE ETHELIND Major—Administration and Supervision Minor—Rural Education

Thesis: A Comparative Study of Common Schools for Negroes in Brazos County

ROBERTSON, ATHAL XIMINIA Major—Biology Minor—Education

Thesis: The Effects of Colchicine on Germination and Polyploid Development of Watermelons

SANDERS, RETA MAE Major—Rural Education Minor—Administration and Supervision

Thesis: The Development of the Workshop Idea in the Program of Higher Education for Negroes in Texas

SEALS, LIZZIE EMMA Major—General Education Minor—English

Thesis: A Study of How the Coordinated Program Functions in Community Life Development in Smith County, Texas

- SNEED, BEATRICE B. Major—Rural Education Minor—General Education**
 Thesis: A Study of Cuney Community for the Purpose of Developing a Functional Primary Curriculum
- TAPSCOTT, GERTRUDE Major—Rural Education Minor—Home Economics**
 Thesis: A Plan for Helping Teachers of Cherokee County Discover and Make Use of Community Resources as Elementary Curriculum Materials
- WITHERSPOON, LOTTIE B. Major—Foods Minor—Rural Sociology**
 Thesis: A Study of the Food Consumption of Eighty-Six Families Dining Hall

1944-1945

- ALLEN, ALBERTA S. Major—Home Economics Minor—Rural Education**
 Thesis: A Study of the Food Consumption of Eighty-Six Families in Carlsbad, New Mexico
- AUSTIN, R. S. Major—Administration and Supervision Minor—Agricultural Economics**
 Thesis: A Comparative Study of the Training, Experiences, Duties and Responsibility of East Texas Negro School Principals
- DACUS, DALTON F. Major—Agricultural Education Minor—Agricultural Economics**
 Thesis: Some Factors Affecting Vocational Education in Agriculture
- DEAN, JULIA K. Major—English Minor—General Education**
 Thesis: A Study of the Analysis of the Errors Made by Prairie View Freshmen for the Year, 1944-1945
- ELLIS, DELIA HALL Major—Home Economics Education Minor—Education**
 Thesis: A Comparative Study of Marks Earned by Native and Transfer Home Economics Students
- HARRISON, C. A. Major—Rural Education Minor—Rural Sociology**
 Thesis: Determining Courses of Study in Farm Mechanics For Texas Based on the Analysis of the Need of 300 Negro Farmers
- HARRISON, RAY ALFRED Major—Agricultural Education Minor—Agricultural Economics**
 Thesis: Teaching NFA in a Regular Program of Vocational Agriculture
- JACKSON, CHARLES E. Major—Administration and Supervision Minor—General Education**
 Thesis: A Study of Educational Provisions for Negroes in Gregg County
- JACKSON, GWENDOLYN Major—Piano Minor—Music Theory**
 Thesis: Orchestral Transcription of Beethoven's Piano Sonata, Opus 57, First Movement
- JOHNSTON, WILLIAM CLIFFORD Major—Administration and Supervision Minor—Political Science**
 Thesis: The Relationship Between Vocabulary of Scholastic Achievement of a Group of Prairie View University Students
- KEMP, I. B. Major—Industrial Education Minor—Administration and Supervision**
 Thesis: The Status of the Negro Industrial Worker in Houston, Texas
- LANGRUM, MABLE P. Major—Administration and Supervision Minor—Rural Education**
 Thesis: A Study of Some Supervisory Practices in Some Selected Schools in East Texas With Recommendations for Improvement
- NICHOLAS, JOSEPHINE C. Major—Home Economics Minor—Education**
 Thesis: A Comparative Study of Grades of Home Economics Graduates of Prairie View College, 1939-1944
- PERRY, DOUGLASS D. Major—History Minor—Education**
 Thesis: Black Populism: The Negro in the People's Party in Texas
- PURYEAR, BRYTE HOOVE Major—Administration and Supervision Minor—Sociology**
 Thesis: An Analysis of Punctuation Errors of Three Hundred Freshmen at Prairie View State College
- RANDALL, BEATRICE HOGAN Major—English Minor—Education**
 Thesis: An Analysis of Punctuation Errors of Three Hundred Freshmen Students of Prairie View College, 1944-1945
- REESE, GOLDIE B. Major—Elementary Education Minor—Administration and Supervision**
 Thesis: Noon-Hour Recreation in the Elementary Schools of Houston, Texas
- STUBBLEFIELD, BEAUREGARD Major—Mathematics Minor—Chemistry**
 Thesis: Computation of All the Real and Complex Roots of Algebraic and Transcendental Equations
- THOMAS, BENJAMIN F. Major—Administration and Supervision Minor—Agricultural Education**
 Thesis: A Survey of the Health Conditions of the Negro School Children in Ellis County
- THOMAS, O.J. Major—Agricultural Education Minor—Rural Sociology**
 Thesis: Suggested Principles and Practices for Cooperative Teaching With Special Reference to the Part to Be Taken By Vocational Agriculture
- WALLS, PAULINE A. Major—Political Science Minor—Sociology**
 Thesis: The Potentiality of the Negro Vote in Texas

1945-1946

- ANDERSON, ARCHIE B. Major—Administration and Supervision Minor—Sociology
Thesis: A Study of Classroom Instruction in Five Harris County Schools
- AVERYHARDT, SARAH A. Major—Education Minor—History
Thesis: Developing a Postwar Community School Program Through the High School Social Studies of the Furney Richardson School
- BATTS, WILLIAM M. Major—Administration and Supervision Minor—Rural Education
Thesis: What the General Baptists of Texas (Negro) Want Educationally, With Suggestions for Improvement
- BOONE, LOLITA A. Major—English Minor—Education
Thesis: A Critical Study of the English Teachers in a Texas County, Particularly as Their Attitudes, Abilities and Interest Affect the Background of Their Students, 1945-1946
- DAVID, VEOLA E. Major—Administration and Supervision Minor—Education
Thesis: A Proposed Vocational Guidance Program for the Junior High Schools of Madison County, Texas
- DOWNES, WALLACE E. Major—Agricultural Economics Minor—Agricultural Education
Thesis: Influences of Soil Conservation on the Farming Program of 100 Farmers in Grambling Area, Lincoln Parish, Louisiana, 1940-45
- GASTON, JOHNNIE L. Major—Sociology Minor—Education
Thesis: Relation of Socio-Economic Status and General Intelligence
- GEE, RUTH ELLA Major—Administration and Supervision Minor—Home Economics
Thesis: The History and Development of Prairie View Training School From 1916-1946
- HARDEMAN, VEORIA M. Major—English Minor—Education
Thesis: An Analysis and Evaluation of the Freshman Reading Program of Prairie View University for the Year 1945-1946
- HINES, VIVIENNE P. Major—General Education Minor—Rural Education
Thesis: An Analysis of the Status of the Negro Teachers of West Texas
- HOGAN, WILMA R. Major—English Minor—Education
Thesis: The Negro in Contemporary American Fiction
- HUMPHREY, THOMAS W. Major—Administration and Supervision Minor—Agricultural Education
Thesis: A Survey of the Vocational Guidance Practices in 103 Negro Schools of Texas
- JOHNSON, BLANCHE E. Major—Education Minor—Political Science
Thesis: An Analysis of In-Service Teacher Traits Preferred by Students, Parents and Student Teachers of the Prairie View University Training School, 1945-1946
- JOHNSON, JESSE W. Major—Biology Minor—Chemistry
Thesis: An Algeological Study of the Vicinity of Prairie View, Texas
- JOHNSON, WALTER L. D. Major—Administration and Supervision Minor—Elementary Education
Thesis: An Investigation in Pupil Achievement in Relation to Intelligence and Personality Patterns of Two Hundred Twenty-Eight Pupils of Jack Yates Senior High School, Houston, Texas
- KENYON, HARRY C. Major—Administration and Supervision Minor—Political Science
Thesis: The Relation Between Intelligence Rating and Teachers' Marks: A Study of Freshmen at Prairie View University, Prairie View, Texas
- LEE, WISTER M. Major—Administration and Supervision Minor—Physical Education
Thesis: An Evaluation of the Physical Education Program at Prairie View University Prairie View, Texas
- MCDONALD, ELOISE S. Major—Administration and Supervision Minor—Physical Education
Thesis: A Suggested Recreation Program for the Lufkin Community
- MILLARD, ETHEL K. Major—Administration and Supervision Minor—Elementary Education
Thesis: An Inquiry into the Relationship Between Home Condition and Scholastic Achievement in Arithmetic
- NELSON, ISAAC T. Major—Agricultural Education Minor—Education
Thesis: A Comparative Study of Records Made by Students in the Division of Agriculture from Vocational and Non-Vocational High Schools
- RICHARDS, EUDORA H. Major—Administration and Supervision Minor—Rural Education
Thesis: A Program for the Fourth and Fifth Grades of the Colored Elementary Schools—Goose Creek, Texas
- TARROW, WILLIE A. Major—History Minor—Administration and Supervision
Thesis: A University for Negroes of Texas: A Promise Unfulfilled
- THOMPSON, ORA MAE Major—Home Economics Minor—Education
Thesis: Family Life Education in Negro Schools of Waller County, Texas
- THOMPSON, WARDELL D. Major—Agricultural Education Minor—Administration and Supervision
Thesis: N.F.A. Instruction in Vocational Agriculture in Area IV, Texas
- WESLEY, FRANKLYN D. Major—Industrial Education Minor—Mechanic Arts
Thesis: Standardization of Industrial Arts Courses in Texas

- WILLIAMS, IKE W. Major—Agricultural Education Minor—Administration and Supervision**
Thesis: A Study of Animal Husbandry Practices of One Hundred Negro Farmers in Anderson County, Texas

1946-1947

- ABERNETHY, RUBY O. P. Major—Home Economics Minor—Education**
Thesis: Home Activities of Eighth Grade Girls Taking Vocational Homemaking in Texas
- ACKERMAN, BENNIE G. Major—Physical Education Minor—Administration and Supervision**
Thesis: Physical Education and its Function in the Secondary School With a Suggestive Program for I. M. Terrell High, Fort Worth, Texas
- ANDERSON, MOZELLE Major—Elementary Education Minor—English**
Thesis: A Survey of the Health Records and Their Implication in the Negro Elementary Schools of Houston, Texas
- ARMSTRONG, WILLIAM L. Major—Education Minor—English**
Thesis: A Survey of Errors in Senior Grammar at Lincoln High School, Dallas, Texas
- AUSTIN, EFFIE B. Major—Administration and Supervision Minor—English**
Thesis: A Study of the Attitudes of Parent-Teachers Toward Modern Education in the Negro Elementary School of Tyler, Texas
- BLANCHETTE, JACOB S. Major—Administration and Supervision Minor—Elementary Education**
Thesis: Status of Negro Teachers of Creek County, Oklahoma
- BOYER, JACOB L. Major—Administration and Supervision Minor—Agricultural Education**
Thesis: A Survey of Certain Personnel Aspects of the Cooperative Extension for Negroes in Texas
- BREEDING, FIDELUS DELL Major—Administration and Supervision Minor—Industrial Education**
Thesis: A Study of the Status of Prairie View Veterans
- BREMBRY, BOOKER T. W. Major—Agricultural Education Minor—Administration and Supervision**
Thesis: A Comparative Study of Vocational Agriculture in the Center Point School (Pittsburg, Texas) from 1919 to 1945
- BURNS, ANDREW JACKSON Major—Agricultural Education Minor—Administration and Supervision**
Thesis: A Study of the Educational Status and Responsibilities of Negro Teachers of Vocational Agriculture in Texas
- BUSBY, JEROME Major—Administration and Supervision Minor—Elementary Education**
Thesis: Some Factors Involved in Failure at Jack Yates High School, Houston, Texas
- CARROLL, WILLIE H. Major—English Minor—Administration and Supervision**
Thesis: A Study of Functional Grammar
- COSS, ROBERT W. Major—Agricultural Economics Minor—Agricultural Education**
Thesis: The History, Types of Projects, Plans and Policies of the Farm Security Administration
- EVANS, EDWARD B. JR. Major—Physical Education Minor—Administration and Supervision**
Thesis: A Suggestive Plan for the Reorganization of Interscholastic Athletics
- HAMILTON GENERAL E. Major—Biology Minor—Administration and Supervision**
Thesis: A Study of the Structure of Hair With Special Reference to a Negro Child During First Years of Growth
- HARRINGTON, JAUNITA S. Major—Political Science Minor—History**
Thesis: War Propaganda in the United States Through Foreign Bureaus of Information
- HENRY, IRA CORINE Major—Education Minor—English**
Thesis: A Study of Speed Defects in the Vilden High School, Gladewater, Texas With Suggestions of Improvement
- JACKSON, MARY CHAMBERS Major—Administration and Supervision Minor—Sociology**
Thesis: An Analysis of the Leisure-Time Interest of Children, Teen Ageds, and Adults of Oak Addition of Pelly, Texas
- KENNARD, MITTIE GRACE Major—Music Education Minor—Piano**
Thesis: The Relationship of Texas College to Standards of Music in Public Schools
- MARKS, CURTIS MIRABEAU Major—Agricultural Economics Minor—Administration and Supervision**
Thesis: A Study of the Type of Farming and of Farm Income of Fifty Negro Farmers in Waller County, Texas
- MASON, LEON U. Major—Agricultural Education Minor—Administration and Supervision**
Thesis: A Suggestive Program of Work in Agriculture of Harrison County
- MINFIELD, FRANKIE C. Major—Administration and Supervision Minor—Elementary Education**
Thesis: A Program for the Improvement of the Social Needs of the Piney Point Community

- MOODY, RICHARD A. Major—Agricultural Economics Minor—Rural Education
Thesis: A Plan of Work for the Neches-Sabine Soil Conservation District
- MORGAN, FLETCHER, JR. Major—Agricultural Economics Minor—Agricultural Education
Thesis: A Study of the Economic Status of Fifty Negro Farmers of Matagorda County, Texas
- MYERS, EWITT S. Major—Administration and Supervision Minor—Agricultural Education
Thesis: A Survey of Negro Teachers in the Elementary School in Brazoria, Texas
- NAVES, BESSIE FARRIS Major—Administration and Supervision Minor—English
Thesis: A Comparative Analysis of the Curricula of Ten of the Leading Colored High Schools in Texas
- NORMAN, GLAUCUS P. Major—Administration and Supervision Minor—Elementary Education
Thesis: A Proposed Plan for Vocational Guidance for the Anderson High School, Austin, Texas
- RICHARDSON, WILLIE Y. Major—Elementary Education Minor—Administration Supervision
Thesis: A Comparative Study of Reading Abilities of Anglo-American, Negro American, and Latin-American of San Antonio Public Schools, San Antonio, Texas
- SADBERRY, EDGAR L. V. Major—Physical Education Minor—Administration and Supervision
Thesis: A History of Major Sports in the Southwestern Negro Athletic Conference from 1920-1947
- SMITH, ALLEN FRANKLIN Major—Physical Education Minor—Administration and Supervision
Thesis: A Health and Physical Education Program for the Mineola School
- STUBBLEFIELD, CEDRIC T. Major—Chemistry Minor—Mathematics
Thesis: A Chemical Investigation of the Senna Bean (Sesbania Macrocapa)
- SUTTON, GEORGE D. Major—Administration and Supervision Minor—Agricultural Education
Thesis: A Study of the Causes of Irregular Attendance in the Negro Public Schools of Fort Worth, Texas
- WARNER, DILLARD Major—Music Education Minor—Piano
Thesis: The Status and Problems of Music Appreciation in the Negro High Schools of Texas with Remedial Measures
- WARREN, GLORIA GERALD Major—Home Economics Education Minor—Administration and Supervision
Thesis: College Home Economics as a Functional Factor in Home Management Based on Opinion of Some Married Graduates
- WHITE, CARRIE B. Major—History Minor—Education
Thesis: The Development of Higher Education for the Negro in the South From 1890 to 1914 with Special Reference to Land-Grant Colleges
- WHITE, GAZZELLA M. Major—Administration and Supervision Minor—Rural Education
Thesis: A Proposal For Development of A Training School at the Sabine Farms, Harrison County, Texas

1947-1948

- ADAMS, FRED E. Major—Sociology Minor—Education
Thesis: The Variation of Socio-Economic Characteristics of Counties According to Per Cent Negro Population of Each County
- BLANKS, COLUMBUS M. Major—History Minor—Education
Thesis: San Antonio, The Inland Gate
- BRADLEY, MABLE FRANCES Major—English Minor—Education
Thesis: A Study of Eugene O'Neil's Contribution to American Drama
- CAREY, ORA LEE Major—English Minor—Education
Thesis: Improving the English Usage of the Students of Jarvis Christian College
- CARY, REBY Major—History Minor—Education
Thesis: The Development of the Negro Chamber of Commerce Movement in Texas
- CHUMLEY, LEO B. Major—History Minor—Education
Thesis: Negro Labor and Property in Shelby County, Texas
- CLAY, SAMUEL C. Major—Administration and Supervision Minor—Sociology
Thesis: A Brief Survey of Guidance Work and the Program of Guidance in Blackshear School at San Angelo, Texas
- COLLINS, CURTIS M. Major—Administration and Supervision Minor—Elementary Education
Thesis: A Tentative Guidance Program for the Kealing Junior High School, Austin, Texas
- DADE, BILLYE E. Major—Administration and Supervision Minor—Elementary Education
Thesis: A Professional Investigation of the Teachers of the Booker T. Washington and Lincoln High Schools of Dallas, Texas

- DAVIS, CHARLES ETTA OWENS Major—Elementary Education Minor—Administration and Supervision
 Thesis: A Study of Primary Techniques and Procedures with a View of Improving Activities as Learning Situations for the First Grade in Douglass Schools, Lawton, Oklahoma
- EWELL, MARJORIE MORRIS Major—Elementary Education Minor—Health Education
 Thesis: An Improved Reading Program in the Carver High School, Frankston, Texas
- FRANKLIN, THEOPHILUS CLAY Major—Administration and Supervision Minor—Elementary Education
 Thesis: The Development of C. W. Carver High School, Karnack, Texas, as a Consolidated School
- GRAY, VELMA LAND Major—Education Minor—Biology
 Thesis: A Study of Health Knowledge, Practices, Misconceptions, and Superstitions of 7th and 8th Grade Students in Hopkins County
- HARDEN, RUBY BROWNE Major—Home Economics Education Minor—Administration and Supervision
 Thesis: A Follow Up Study of Two Groups of Home Economics Students Who Withdrew from Prairie View A. & M. College Before Graduation 1933 and 1943
- HARRISON, RICHARD WAGNER Major—Music Education Minor—Music Theory
 Thesis: Three Pastoral Scenes
- HAYES, JAMES DEAN Major—History Minor—Administration and Supervision
 Thesis: The Congress of Industrial Organizations Movement Into the South with Special Reference to Texas
- HEARN, R. D. Major—History Minor—Administration and Supervision
 Thesis: The Development of Higher Education for Negroes with Special Reference to the Denominational Schools
- HENDERSON, MAE ELLA Major—Elementary Education Minor—Administration and Supervision
 Thesis: An Experiment Conducted in Spelling Among the Prairie View Freshmen, 1947-48
- HOLLINS, ARNTIE EDWARD Major—History Minor—Economics
 Thesis: The Colored Teachers State Association of Texas as Revealed in the Texas Press
- JONES, HENRY VINIE Major—Administration and Supervision Minor—History
 Thesis: The Causes of Discipline Problems and their Treatment in the Fred Douglass High School of Jacksonville, Texas
- LEWIS, LILLIAN M. Major—Home Economics Education Minor—Administration and Supervision
 Thesis: A Study of the Eating Habits and Related Factors of Some Pupils in Grades 4, 5, and 6 in Selected Schools in Texas
- MADISON, WILLIAM MACK Major—Biology Minor—Chemistry
 Thesis: A Histological Study of the Malpighian Tubules of the Gryllus Domesticus
- MOON, CLARA EVA Major—Elementary Education Minor—Administration and Supervision
 Thesis: A Revised Curriculum of Dunbar Elementary School, Sulphur, Oklahoma, to Meet the Needs of Pupils and Community
- McCLENNAN, WALTER D. Major—Mathematics Minor—Chemistry
 Thesis: Distributive Operators: $R(A \text{ plus } B) \text{ equal } RA \text{ plus } RB$
- McDONALD, LUCY MAE Major—English Minor—Administration and Supervision
 Thesis: An Error Analysis of the Result of an Achievement Test in English Given at Dunbar High School, Ferris, Texas, 1947-1948
- OWENS, EMIEL W. Major—Agricultural Economics Minor—Agricultural Education
 Thesis: A Survey of the Economic Status of Forty Negro Farmers in Leon County, Texas
- OWENS, JENNIE L. Major—English Minor—Administration and Supervision
 Thesis: Paul Lawrence Dunbar's Treatment of Plantation Life
- PANNELL, ORVELLA TATUM Major—Administration and Supervision Minor—History
 Thesis: A Study of Negro Schools in Bell County, Texas
- POWELL, JOHN R. Major—Administration and Supervision Minor—Agricultural Education
 Thesis: A Study of the Development of Education for Negroes in Walker County
- PRINCE, CECIL L. DAVIS Major—Administration and Supervision Minor—Home Economics
 Thesis: A Diagnostic and Corrective Study of Arithmetic in the Third, Fourth, and Fifth Grades in Lamarque Colored School, Lamarque, Texas 1947-1948
- SANDERS, CLARENCE HENRY Major—Administration and Supervision Minor—Sociology
 Thesis: A Study of the Personnel, Status, and Educational Activities of the Negro Ministers of Dallas, Texas
- SMITH, WALTER LEON Major—Biology Minor—Chemistry
 Thesis: Low Temperature Tolerance of 7 Different Species of the Drosophila
- SCOTT, DORIS RAYFORD Major—Administration and Supervision Minor—Biology
 Thesis: A Follow-Up Study of Students Who Have Left Phyllis Wheatley High School San Antonio, Texas Since 1942

- SIMPSON, ESTUS E. Major—Administration and Supervision Minor—Agricultural Education
 Thesis: Students Withdrawals From the Independent High School of Bastrop County, Texas, During the Period 1936-1946
- SMITH, ALLIE R. HALL Major—English Minor—Administration and Supervision
 Thesis: A Study of the Letter Writing of High School Students in Cuney High School
- SMITH, RAYMOND CLYDE Major—English Minor—Administration and Supervision
 Thesis: A Recommended Program of Health and Physical Education for Alex S. Terrell High School Anderson, Texas
- TAYLOR, ALMUS LAMAR Major—Agricultural Economics Minor—Agricultural Education
 Thesis: The Extent to Which Negro Farmers in Waller County Depend Upon Watermelons for their Cash Income
- THOMAS, CURTIS AUGUSTUS Major—Administration and Supervision Minor—Sociology
 Thesis: A Succeeded Supervisory Program for the Improvement of Learning and Teaching in the Luling Rosenwald School
- THOMAS, VERLIE AUGUSTA Major—Music Education Minor—Piano
 Thesis: A Transcription for Symphony Orchestra of Beethoven's Piano Sonata, Opus 81, No. 2—First Movement
- TUBBS, LUTHER FREDERICK Major—Administration and Supervision Minor—Elementary Education
 Thesis: A Status Study of Pupil Participation in School Control in Fourteen Accredited Negro High Schools of Texas by the Southern Association of Secondary Schools and Colleges
- WHEADON, JOHN RANDOLPH Major—Agricultural Economics Minor—Agricultural Education
 Thesis: An Analysis of the Programs of Fourteen FSA Farms at Prairie View, Texas
- WINDOM, FRANCES LOUISE Major—English Minor—Sociology
 Thesis: The Development of Thomas Wolfe
- 1948-1949
- ABRAMS, LARRY CARL Major—Agricultural Economics Minor—Administration and Supervision
 Thesis: A Study of the Farm Management Programs of Fifty Negro Farmers in Bastrop County, Texas
- ADAMS, CLAUDE R. Major—Administration and Supervision Minor—Sociology
 Thesis: The Historical Development of Education for Negroes in Texas
- ANDERSON, RAY QUINCY Major—Administration and Supervision Minor—History
 Thesis: A Study of Negro Education in Kaufman County
- ARMSTRONG, ANNIE BELLE Major—Elementary Education Minor—Health Education
 Thesis: Guiding Child Development as a Means of Curbing Juvenile Delinquency
- BARLOW, EVA JANE Major—Administration and Supervision Minor—Elementary Education
 Thesis: A Study of Attendance at Four Corners in Sugarland, Texas
- BAORD, EDNA THERESA Major—General Education Minor—Home Economics
 Thesis: The Historical Development of the Public Schools for Negroes in Liberty County, Texas from 1918 to 1948
- BOYER, FAYE McCLELLAN Major—Sociology Minor—Elementary Education
 Thesis: The Association of Mental Health and Behavior Characteristic of Elementary School Pupils
- BRADLEY, CHARLES O'NEIL Major—Administration and Supervision Minor—Elementary Education
 Thesis: A Study of Attendance in the Temple High School, Diboll, Texas
- BRIDGES, ESTHER H. Major—Elementary Education Minor—Health Education
 Thesis: A Suggested Organization for a Program of Recreation to Meet the Needs of the Youth of Walker County
- BROWN, ENOS E. Major—Agricultural Education Minor—Administration and Supervision
 Thesis: A Comparative Study of Urban and Rural Schools in Six Texas Counties
- BROWN, PAULINE R. Major—Home Economics Education Minor—Supervision
 Thesis: Analytical Study of the Activities and Problems of County Home Demonstration Agents in Texas
- BURLEY, ECOMET Major—Education Minor—Health
 Thesis: A Study of the Health Status of Fifty Negro Families in the Evans Springs Community
- BYRD, JAMES S. Major—Administration and Supervision Minor—Health Education
 Thesis: A Survey of the Health and Educational Conditions of the Negro Children in Madison County, Texas
- CLARK, BENJAMIN Major—History Minor—Education
 Thesis: The Development of Labor Unions in Agriculture in the Southwest With Special Reference to Texas, 1929-1941
- CLARKE, IRIS ELAINE Major—Sociology Minor—Secondary Education
 Thesis: Relations of Operator and Laborer in Rice Culture

- DANSBY, ANNIE B. MOORE Major—Elementary Education Minor—Rural Education
 Thesis: A Study to Determine What Effect the Discovery of Oil in Gregg County Has Had Upon the Development of its Colored High Schools
- DANSBY, CUNEY BRUCE Major—Administration and Supervision Minor—Rural Education
 Thesis: A Survey of Extra-Curricular Activities in A-Class High Schools in East Texas
- DANSBY, LERA H. Major—Administration and Supervision Minor—Health Education
 Thesis: A Study of the Status of Rural Negro Schools of Smith County
- DAVIS, WILLIAM O. Major—Administration and Supervision Minor—Industrial Education
 Thesis: A Study of the Chief State Educational Officer of the States of the United States 1948
- DAVISS, THEODORE R. Major—Administration and Supervision Minor—Health Education
 Thesis: A Study of Janitorial Services in Accredited Negro High Schools of Texas
- ENGLISH, LEON G. Major—Agricultural Economics Minor—Physical Education
 Thesis: The Extent to Which Farmers Participate in the Cotton Improvement Program of Ellis County
- FISHER, COREAN J. BLAIR Major—Elementary Education Minor—English
 Thesis: Instructional Practices Used in Teaching the Social Studies in Grades Six, Seven, and Eight, in One Hundred Schools
- FORWARD, BARNEY Major—Administration and Supervision Minor—History
 Thesis: History of Education in Jasper County, Texas
- FRANKLIN, LUCKIE Major—Administration and Supervision Minor—Elementary Education
 Thesis: A Comparative Study of the Health Facilities of Jackson High School and Four Adjacent Schools in Smith County
- GOODEN, BURNICE Major—History Minor—Administration and Supervision
 Thesis: The Development of Negro Life in Madisonville, Texas, Since 1900
- GOODEN, DORA E. Major—Elementary Education Minor—Health Education
 Thesis: Reorganizing the Curriculum in Madisonville, Texas, Since 1900
- GREENE, EDWARD F. Major—Administration and Supervision Minor—Secondary Education
 Thesis: A Study of the Graduates, Eliminates, and Present Student Body of the Weldon Elementary-School, Gladewater, Texas
- HARRIS, JAMES D. Major—Agricultural Economics Minor—Administration and Supervision
 Thesis: Development of Soil Conservation Measures in Ellis County With Respect to Economic Gains
- HINES, HARRY JAMES Major—Administration and Supervision Minor—Secondary Education
 Thesis: A Study of the Graduates and Drop-Outs of Booker T. Washington High School, Marlin, Texas—1937-1949
- JOHNSON, DAVIS P. Major—Rural Sociology Minor—Administration and Supervision
 Thesis: Current Aspects of Disciplinary Problems in Negro High Schools of Texas
- JOHNSON, EDDIE MARIE HOLMES Major—English Minor—Education
 Thesis: An Evaluation of a Free Reading Program in an Eleventh Grade
- JOHNSON, LEO JAMES Major—Administration and Supervision Minor—Rural Education
 Thesis: The Development of the Arp Vocational High School, Arp, Texas as a Consolidated School
- JONES, CONSULA FAYE Major—Elementary Education Minor—Administration and Supervision
 Thesis: The Influence of Some Home Factors on the Social and Academic Progress of the Second Grade Pupils of Frederick Douglass School, Jacksonville, Texas
- KEATTS, ROWENA W. Major—English Minor—Elementary Education
 Thesis: A Proposed Program of Language Art for the Eighth Grade in the Douglass Elementary School, Mexia, Texas
- KILPATRICK, ALICE J. Major—Education Minor—Home Economics Education
 Thesis: A Study of the Difficulties Encountered by Beginning Teachers Teaching in Certain Selected Negro Schools of Texas
- KING, LUCILLE MITCHELL Major—Administration and Supervision Minor—Health Education
 Thesis: A Proposed Guidance Program from Gudebye Junior High School
- KNIGHTON, EMERSON S., SR. Major—Administration and Supervision Minor—Sociology
 Thesis: A Survey of Instructional Practices and Materials Used in Teaching the Slow Learner in Negro High Schools of Texas
- LEE, ESCAR ROBERT Major—Agricultural Education Minor—Rural Education
 Thesis: Some Aspects of an Activity Program of All Day Boys Studying Vocational Agriculture in the Crockett District, Texas
- LEWIS, ODIS F. Major—Administration and Supervision Minor—Health Education
 Thesis: A Recommended Health Program for Goldsberry High School Gaston District, Henderson, Texas

- LINWOOD, TRYPHENA WINIFRED Major—Elementary Education Minor—Health Education
 Thesis: Civics as the Predominant Subject to be Handled in the Social Studies
- MARK, JIM BOB Major—Agricultural Economics Minor—Agricultural Education
 Thesis: How Young Men Become Established in Farming in Tyler County, Texas
- McCLURE, FOSTER D. Major—Administration and Supervision Minor—Vocational Education
 Thesis: A Follow-up Study of the Graduates and Drop-Outs of the Summerfield Negro School, Ponta, Texas—1942-1949
- McDANIEL, DOYLE LEE Major—Agricultural Economics Minor—Administration and Supervision
 Thesis: Farm Tenancy in Robertson County, Texas
- MERCHER, HERBERT Major—Physical Education Minor—Health Education
 Thesis: A Survey of the Health and Physical Education Programs in Class AA High Schools of Texas
- MITCHELL, TOMMYE MAYES Major—Home Economics Education Minor—Administration and Supervision
 Thesis: A Study of the Occupational Status of the Prairie View Home Economics Graduates—1922-1948
- MOSBY, COTTRELL M. Major—Administration and Supervision Minor—Elementary Education
 Thesis: The Availability of Educational Opportunities for Negroes in Hunt County
- MOSLEY, THOMAS W. Major—Administration and Supervision Minor—Health Education
 Thesis: A Survey of the Health Conditions of the Negroes in Trinity County and A Proposed Program of Health Education
- MUCKLEROY, EFFIE H.P. Major—Education Minor—Health Education
 Thesis: Conservation of Human Resources in Smith County
- OLIVER, JOSEPH GREEN Major—Administration and Supervision Minor—Elementary Education
 Thesis: The Availability of Educational Opportunities for Negroes in Leon County, Texas
- PAYNE, RUTH M. Major—Home Economics Education Minor—Administration and Supervision
 Thesis: An Evaluation of Diet Surveys and a Determination of Their Value as a Device For Improving Eating Habits of Youth in Six (6) Texas Counties
- PRUITT, JOHN W. Major—Administration and Supervision Minor—Business Administration
 Thesis: A Study of Rankings of Occupations on Basis of Social Status
- PUGH, GOLDA GASTON Major—Elementary Education Minor—Health Education
 Thesis: A Comparative Study of Handwriting Achievements of Beginners Trainer in Manuscript and Cursive Writing
- RHAMBO, ERNEST L. Major—Administration and Supervision Minor—General Education
 Thesis: An Occupational Survey As A Basis for the Establishment of Terminal Education at Wharton County Junior College (1949)
- SADBERRY, CHARLES L. Major—Administration and Supervision Minor—Elementary Education
 Thesis: A Ten Year Follow-Up Study of the Graduates of O. J. Thomas High School
- SADBERRY, JEWEL C. Major—Agricultural Economics Minor—Administration and Supervision
 Thesis: A Study of the Economic Status of Fifty Negro Farmers of Waller County, Texas
- SETTLE, JOHN THOMAS Major—Education Minor—Sociology
 Thesis: Social and Educational Effects of Consolidation on the Steber Grove Community in Rusk County
- SLAUGHTER, HENRI MAE Major—Education Minor—Health Education
 Thesis: A Survey of the Health Conditions of the Children in Carter G. Woodson School, Abilene, Texas
- STANTON, LONNIE A. Major—Administration and Supervision Minor—History
 Thesis: A Follow-Up Study of the Graduates of the Anderson High School, Mart, Texas for a Ten-Year Period 1938-1947 Inclusive With Implications on Curriculum Revision
- TARVER, MYRTLE MAYFIELD Major—Elementary Education Minor—Health Education
 Thesis: Health Conditions of Negroes in Beaumont, Texas and Their Implication for Health Education (Based on a Survey of 100 Families)
- TAYLOR, B. J. HAMMOND Major—Agricultural Education Minor—Agricultural Economics
 Thesis: Educational Procedures in the Development of the Agricultural Cooperatives of the Sabine Farms, Harrison County, Texas
- TAYLOR, FLOYD D. Major—Administration and Supervision Minor—Agricultural Education
 Thesis: A Proposed Plan of Consolidation of the Rural Schools for Negroes in Travis County, Texas

- TAYLOR, LORENE McAFEE Major**—Elementary Education Minor—Rural Education
Thesis: Methods and Procedures for Improving the Teaching of Art in the Primary Grades in the Kilgore Colored School
- VALLEY, ALONZO H. Major**—Industrial Education Minor—Administration and Supervision
Thesis: A Reorganization to Include a Suggested Curriculum for the Booker T. Washington High School, Dallas, Texas
- VAN POTTER, MATTIE N. Major**—Elementary Education Minor—Sociology
Thesis: A Diagnostic and Corrective Study of the First, Second, and Third Grade Arithmetic in the William Anderson Peete Elementary School of Tyler, Texas
- WASHINGTON, EDWARD L. Major**—Administration and Supervision Minor—Agricultural Economics
Thesis: A Comparative Study of the Affect of Family, Literary Background, Economic Status and Health on Attendance in Dunbar High School, Mexia, Texas
- WASHINGTON, SAMUEL Major**—History Minor—Administration and Supervision
Thesis: The Land-Grant Colleges for Negroes 1914-1945: A Study of Higher Education
- WHITE, INMAN Major**—Agricultural Economics Minor—Administration and Supervision
Thesis: A Study of the Soil Conservation Practices of Fifty Negro Farmers in Waller County, Texas
- WILSON, DOROTHY B. Major**—Elementary Education Minor—Administration and Supervision
Thesis: A Diagnostic Study of Reading Deficiencies and Corrective Measures of Grades Four Through Ten of Carver High School, Brackettville, Texas

MASTER OF ARTS—1949-1950

- BONEY, CLARA B. PAYNE Major**—Piano Minor—Music Education
 Piano Recital
- CARROLL, MARGARET E. Major**—English Minor—Administration and Supervision
Thesis: A Proposed Reading Program for St. Paul-Shiloh High School, Oakwood, Texas
- COLLIER, DOLPRUS E. PERRY Major**—English Minor—History
Thesis: The Negro's Role in Legitimate Drama
- DARDEN, ROSE ETTA Major**—Sociology Minor—Education
Thesis: Occupational Status of Prairie View Sociology Major and Minor Graduates 1929-49
- FOWLER, IOLA M. Major**—English Minor—Education
Thesis: The Morbid Element in the Poetry of James Thompson
- MACK, RICHARD M. Major**—Music Minor—Administration and Supervision
Thesis: A Study of the Organization and Administration 25 Negro High School Bands in Texas
- MUSGROVE, GEORGE ANNE TURNER Major**—English Minor—Education
Thesis: A Study of the Reading Habits of the Students of Carver High School
- PAYNE, JAMES H. Major**—Sociology Minor—History
Thesis: The Effects of Social and Economic Influences on Negro High School Attendance in Navasota 1945-1950
- WASH, MARGARET S. Major**—Music Minor—Piano
Thesis: The Formulation of a Plan for Increasing the Per Cent of Student Participation in High School Musical Activities
- WELLS, LUTHER T. Major**—Music Minor—Piano
Thesis: Beethoven, Balance of Expression and Design

MASTER OF EDUCATION

- ADAMS, ESTER ALTON Major** — Elementary Education Minor — Administration and Supervision
- ADAMS, EULAH MAYE POWELL Major**—Elementary Education Minor—Health Education
- ALEXANDER, JOHN ALDEN Major**—Administration and Supervision Minor—Elementary Education
- ALLEN, PHYLLIS H. Major**—Elementary Education Minor—Health Education
- BARLOW, BENJAMIN J. Major**—Administration and Supervision Minor—Health Education
- BLOCKER, ROBERT B. Major**—Industrial Education Minor—Education
- BRADLEY, CHRISTY MAXINE Major**—Administration and Supervision Minor—English
- BRAILSFORD, ARTIE Major**—Administration and Supervision Minor—Agriculture
- BROWN, JOE LEE Major**—Education Minor—Biology
- BURNETT, FRED DOUGLASS Major**—Administration and Supervision Minor—Elementary Education
- BYRD, ROXIE DORIS Major**—Elementary Education Minor—Sociology

- CANADA, JOHN KINGSTON Major—Administration and Supervision Minor—Health
 CLEAVER, EUGENE EMUEL Major—Administration and Supervision Minor—Agricultural Education
 COLEMAN, JETTIE Major — Home Economics Education Minor — Administration and Supervision
 COLEMAN, SHERMAN Major—Administration and Supervision Minor—Agricultural Education
 COLLINS, HORACE HAROLD Major—Administration and Supervision Minor—Economics
 CRAWFORD, FLORINE EASLEY Major—Home Economics Minor—Elementary Education
 FORTSON, ETHEL GLADYS BILES Major—Elementary Education Minor—Administration
 FOWLER, CARLEAN MERIEN WELLS Major—Education Minor—History
 FRAZIER, MARGARET BEATRICE Major—Education Minor—History
 GOODMAN, LULA WARREN Major—Administration and Supervision Minor—Elementary Education
 HARDEMAN, FLORENCE E. D. Major—Home Economics Minor—Elementary Education
 HARRIS, JOEL Major—Administration and Supervision Minor—Industrial Education
 HERRING, FAIRY L. Major—Administration and Supervision Minor—Elementary Education
 HILL, LOVIE M. Major—Home Economics Minor—Administration
 JACKSON, HORACE R. Major—Education Minor—Sociology
 JESSIE, A. J. Major—Administration Minor—Education
 JOHNSON, COMPTON HORACE Major—Administration and Supervision Minor—Health Education
 JOHNSON, LOY ARNOLD Major—Administration and Supervision Minor—Health Education
 JOHNSON, MARY BELLE Major—Elementary Education Minor—Health Education
 JONES, EULA MAE Major—Home Economics Minor—Administration and Supervision
 KING, ORA STARR Major—Elementary Education Minor—Health
 LISTON, IDA Major—Administration and Supervision Minor—Elementary Education
 LYONS, ALICE Major—Administration and Supervision Minor—Home Economics Education
 MARSHALL, D. M. Major—Administration and Supervision Minor—Elementary Education
 MCKINNEY, MILTON Major—Administration and Supervision Minor—Health Education
 MERIDITH, GROVER C. Major—Administration and Supervision Minor—Education
 MOODY, FREDDIE R. Major—Elementary Education Minor—Home Economics
 MORRIS, MITTIE A. Major—Education Minor—English
 PALMER, WILLIE HARVEY, SR. Major—Administration and Supervision Minor—Agricultural Education
 PITTS, ALLIE FAYE Major—Elementary Education Minor—Sociology
 POWELL, A. B. Major—Administration and Supervision Minor—Elementary Education
 PRICE, A. L. Major—Administration and Supervision Minor—Sociology
 PROBASCO, JEANETTA FOSTON Major—Education Minor—Home Economics
 PYLE, BAILEY JEFFERSON Major—Administration and Supervision Minor—Elementary Education
 ROSS, DELIA P. Major—Elementary Education Minor—Administration and Supervision
 SANDERS, EMMA IDELL Major — Elementary Education Minor — Administration and Supervision
 SANDERS, ROBERT BERT Major—Administration and Supervision Minor—Elementary Education
 SHEFFIELD, CELIA R. Major—Elementary Education Minor—Health Education
 SMITH, IOLA BROWN Major—Elementary Education Minor—Administration and Supervision
 TAYLOR, E. D. REAN Major—Administration and Supervision Minor—Music
 THOMAS, DANIEL WEBSTER Major—Administration and Supervision Minor—Health
 TRAYLOR, ELMA LOIS MCKENZIE Major—Elementary Education Minor—Administration and Supervision
 TURNER, ANGELINE CROWE Major—Elementary Education Minor—Health Education
 TURNER, ODIS H. Major—Administration and Supervision Minor—Health
 WADDY, EDWARD S. Major—Administration and Supervision Minor—Elementary Education
 WESLEY, BENNIE J. Major—Administration and Supervision Minor—Elementary Education
 WRIGHT, THOMAS JEFFERSON Major—Administration and Supervision Minor—Health Education

YOUNG, PAULINE A. Major—Elementary Education Minor—Administration and Supervision

MASTER OF SCIENCE

- ADAMS, CORDELIA C. Major—Elementary Education Minor—Home Making
Thesis: The Role of Informal Education in the Treatment and Prevention of Juvenile Delinquency
- ALLEN, DELLA MAE Major—Physical Education Minor—Health
Thesis: A Proposed Program of Health and Physical Education for the Goliad Colored High School
- ANDERSON, WILLIE JAMES Major—Administration and Supervision Minor—Elementary Education
Thesis: The Problem of Attendance in the Colored Schools of Trinity County
- BLUITT, LEROY Major—Administration and Supervision Minor—Sociology
Thesis: Reading Difficulties in a Low Ninth Grade Group at the Lincoln High School Dallas, Texas 1948-1949
- BOLDEN, VERNON VAN Major—Chemistry Minor—Administration and Supervision
Thesis: The Preparation of Yeast Nucleic Acid and its Effect on the Growth of Rats
- BRITTON, LAWRENCE MILTON Major—Physical Education Minor—Administration and Supervision
Thesis: A Survey of the Leisure Time Activities of the Male Students of Prairie View Agricultural and Mechanical College With Suggestions for Improvements
- BROWN, FRED, DOUGLASS Major—Agriculture Minor—Administration and Supervision
Thesis: A Study of Rose Production and Rose Products
- BROWN, TRUDIE Major—Education Minor—English
Thesis: Analysis of the Spelling Errors Found in the Seventh and Eighth Grades in Judea High School, 1949-1950
- CASH, LARRY B. Major—Agricultural Education Minor—Agricultural Economics
Thesis: Educational Implication of the Incidence of Negro Participation in Producer Consumer Cooperatives
- CLAYBON, DENNIS L. Major—Administration and Supervision Minor—Elementary Education
Thesis: A Study of Special Education in Texas with Particular Reference to the Orthopedically Handicapped Children in Texas
- CLAYBON, LAURIE E. Major—Administration and Supervision Minor—Elementary Education
Thesis: A Proposed Physical Plant for the Forney Negro School with Special Reference to Consolidation
- CLEAVER, LEROY Major—Chemistry Minor—Education
Thesis: The Catalytic Oxidation of Toluene in the Vapor Phase to Benzoic Acid
- COLLINS, MILLIE S. Major—Administration and Supervision Minor—Economics
Thesis: The Role of Custom in the Diets of One Hundred Negro Families
- DOUGLASS, BLANCHE M. Major—Home Economics Education Minor—Administration and Supervision
Thesis: The Study of the Food Consumption of Twenty Families in Post Oak Community, Ledbetter, Texas
- FLUEWELLEN, LUZONE Major—Education Minor—Home Economics
Thesis: A Proposed Adult Education Program for the Arp Colored School Community, Arp, Texas
- FORWARD, IDA MAE Major—Elementary Education Minor—Health Education
Thesis: A Study of Speech Defects as Found Among Negro Elementary School Children of Jasper County
- FOSTON, ARTHUR LEE Major—Administration and Supervision Minor—Mathematics
Thesis: The Administration of Mathematics in a Selected Group of Negro Secondary Schools in Texas
- GAYNOR, NORVEL Major—Administration and Supervision Minor—Elementary Education
Thesis: A Follow-up Study of the Graduates and Drop-Outs of the Hooks Colored High School, Hooks, Texas
- GOODE, JESSE F. Major—Administration and Supervision Minor—Elementary Education
Thesis: An Analysis of the Records Kept in the Negro Elementary Schools of Texas
- GRAYS, HARRISON WELDON Major—Agricultural Economics Minor—Agricultural Education
Thesis: An Economic Study of Fifty Dairy Farms in Hopkins County From 1938 to 1948
- GREEN, BERNICE J. Major—Physical Education Minor—Education
Thesis: A Study of the Leisure Time Activities of the Negro Physical Education Teachers of Houston, Texas
- HALLMAN, GRANT T. Major — Agricultural Economics Minor — Administration and Supervision
Thesis: Historical Study of the Rural Electrification Administration and the Development of the Navarro County Electric Co-op

- HILLMAN, RUTH VIRGIL Major—Administration and Supervision Minor—Health
 Thesis: A Tentative Survey of the Home Room as a Unit of Organization in the Four-Year Public High School of Texas
- McDANIEL, MATTYE MAYCEO Major—Education Minor—Home Economics
 Thesis: A Study of the Administrators' Opinions of the Difficulties Experienced by Beginning Teachers in Selected Negro High Schools in Texas, 1949-50
- McGOWEN, MABEL YOUNG Major—Education Minor—Health
 Thesis: A Diagnostic and Remedial Speech Correction Instruction Program for First Grade Pupils with Specific Speech Disorders in the Carroll Street Elementary School
- McGARY, HELEN RUTH Major—Administration and Supervision Minor—Elementary Education
 Thesis: A Progress Report of Three Years Study of Reading in Cass County
- MARSHALL, T. D. Major—Administration and Supervision Minor—Elementary Education
 Thesis: Evaluation of the Lincoln High School
- MOLETT, FRANCIS A. Major—Administration and Supervision Minor—Elementary Education
 Thesis: A Suggestive Program for the Improvement of Public Relations in Hebert High School, Beaumont, Texas
- MOLETT, NAOMI LEE GUIDRY Major—Elementary Education Minor—Health
 Thesis: A Study of the Vocabulary Used and Spelling Errors Made in Written Compositions of the Sixth-Grade Children in the Hebert Elementary School of Beaumont, Texas
- MOSELEY, ERA MARIE Major — Elementary Education Minor — Administration and Supervision
 Thesis: Determining Reading Readiness of all First Grade Negro Children Entering Longview Public Schools
- PIERSON, FRANK R. Major—Administration and Supervision Minor—Physical Education
 Thesis: Suggested Aims and Procedures Designed to Develop Desirable Community School Relationship in the Charlton Pollard School
- PORTIS, VIVIAN Major—Elementary Education Minor—Administration and Supervision
 Thesis: A Survey of the Health Conditions of the Negro Section of Calvert, Texas and Their Possible Effect on Elementary School Children
- RANDLE, CHARLES F. Major—Agricultural Economics Minor—Administration and Supervision
 Thesis: A Study of the Farm Management Practices of Fifty Negro Farmers in McLennan County, Texas
- REECE, FRONCELL Major—Agricultural Economics Minor—Physical Education
 Thesis: A Study of the Economic Status of Fifty Negro Farm Families of Montgomery County, Texas
- REYNOLDS, LEATHA MARGARET Major—Education Minor—English
 Thesis: A Diagnostic Study for the Correction of Speech Defects Found in the Colored Elementary School of LaMarque, Texas
- RUTLEDGE, PAUL Major—Agricultural Education Minor—Administration
 Thesis: An Analysis of Official Travel Done by Vocational Agriculture Teacher
- SAUNDERS, OWENA HALL Major—Elementary Education Minor—Health Education
 Thesis: An Evaluation of Choral Reading in the Elementary Grades
- SIMS, VAN E. Major—History Minor—Administration and Supervision
 Thesis: The Willette Rutherford Banks Administration; A Study of the Historical Development of Prairie View Agricultural and Mechanical College
- SPROTT, GLADYS Major—Elementary Education Minor—Health Education
 Thesis: A Suggested Program for Organization of Special Education for Negro Children in the South Park School District, Beaumont, Texas
- TANKSLEY, HASSELL Major—Physical Education Minor—Health Education
 Thesis: A Survey of the Health and Physical Education Program in the Negro Colleges and Universities of Texas
- TAYLOR, ELVIE Major—General Education Minor—Home Economics Education
 Thesis: Proposed Guidance Program for Goliad Colored School in Goliad, Texas
- WALKER, JEFFERSON D. Major—Administration and Supervision Minor—Industrial Education
 Thesis: A Survey of the George Washington Carver High School, Navasota, Texas
- WALKER, JOHNNIE MAE Major—Elementary Education Minor—Administration and Supervision
 Thesis: A Survey of Variable Factors Affecting a Group of Children in the Fifth and Sixth Grades at Harlem Elementary School, Baytown, Texas
- WASHINGTON, ELZADIE L. Major—Administration and Supervision Minor—Elementary Education
 Thesis: A Study to Determine the Causes of Instructional Problems and Handicaps of the Elementary Teachers of Limestone and Freestone Counties
- WHITE, DEMOSTHENES Major — Agricultural Education Minor — Administration and Supervision
 Thesis: The Effects of Vocational Education in Agriculture on Farming in Wharton County, Texas

WHITE, JOHNNIE MAE Major — Administration and Supervision Minor — Home Economics Education

Thesis: The Environmental Forces in the Behavior and Development of 411 Freshmen Enrolled at Prairie View 1947-48

WRIGHT, HELEN ALEXANDER M. Major—Education Minor—Supervision

Thesis: A Five-Year Study of Students who Graduated from the Elementary Schools in the Common School Districts of Nacogdoches County 1944-45

MASTER OF ARTS—1950-1951

BOOZER, IRENE Major—Sociology Minor—Administration and Supervision

Thesis: A Study of Consumer Training of Nursery and Elementary School Children at Prairie View

FRAZIER, LODIE HENDERSON Major—Music Education Minor—Music Theory

Thesis: A Revision of the Music Program of Fidelity Elementary School, Houston, Texas

KILLYON, EVERETT A. Major—History Minor—Education

Thesis: The Coming of Industrial Education to the South; With Special Reference to the Negro

MAJOR, ALLIE PAYNE Major—Piano Minor—Music Education

Piano Recital

McMILLAN, LEMMON C. Major—Economics Minor—Administration and Supervision

Thesis: Some Aspects of Monopoly Power in the United States

MUNDINE, RUTH UPTON Major—Music Theory Minor—Piano

Thesis: Analysis of the Overture Fantasy to Romeo and Juliet—Peter Illitch Tchaikowsky

PERKINS, LEE ESTER Major—Economics Minor—History

Thesis: The Dynamics of Labor Organization in Industry

VENTERS, RUFUS Major—Sociology Minor—History

Thesis: A Study of Adult Education for Negroes in Texas

MASTER OF EDUCATION

ALLEN, DONALD WEBSTER Major—Administration and Supervision Minor—Elementary Education

ALLEN, MALONE Major—Administration and Supervision Minor—Elementary Education

AMMONS, OLIVER SEAY Major—Elementary Education Minor—Administration and Supervision

ANDERSON, GEORGE Major—Administration and Supervision Minor—Elementary Education

ANTHONY, VERNON AUGUST Major—Administration and Supervision Minor—Elementary Education

ARMSTRONG, EVA Major—Elementary Education Minor—English

BELL, ULYSSES SIMPSON Major—Industrial Education Minor—Administration and Supervision

BESS, BIRDIE MAE Major—Elementary Education Minor—Health Education

BOUDREAUX, GERTRUDE SIMPSON Major—Administration and Supervision Minor—Elementary Education

CADE, HAROLD EDWARD Major—Administration and Supervision Minor—Elementary Education

CARTER, MARY HEADS Major — Administration and Supervision Minor — Elementary Education

CHAMPION, CLYDE C. Major—Administration and Supervision Minor—Elementary Education

CLEVELAND, ERIE MILAM Major—Elementary Education Minor—Administration and Supervision

COBB, LOUISE REDDIE Major — Elementary Education Minor — Administration and Supervision

CUNNINGHAM, IRENE DIXON Major—Elementary Education Minor—Health Education

DAVIS, WILLIAM MARION Major—Administration and Supervision Minor—Elementary Education

DOUGLASS, ADREY HICKEY Major—Elementary Education Minor—Administration and Supervision

DUNLAP, JOHNNIE LLOYD Major—Administration and Supervision Minor—Elementary Education

EUGENE, ADMONIA MAUDE Major—Administration and Supervision Minor—Elementary Education

EVANS, MOSE WILLIAM Major—Administration and Supervision Minor—Elementary Education

- FARRIS, JAMES RANDOLPH Major—Administration and Supervision Minor—Elementary Education
- FENET, JOHN W. Major—Administration and Supervision Minor—Elementary Education
- FIELDS, HAROLD DOCK Major—Administration and Supervision Minor—Health Education
- FONTENOT, WALTER PAUL Major—Administration and Supervision Minor—Agricultural Education
- GAINES, HOBART LEROY Major—Administration and Supervision Minor—Elementary Education
- GERALD, DELORES FAY Major — Elementary Education Minor — Administration and Supervision
- GLOVER, THEODORE VOYLAND Major—Administration and Supervision Minor—Elementary Education
- GRAY, ANNIE MARY Major—Elementary Education Minor—Administration and Supervision
- GREGORY, ROBERT LEE Major—Elementary Education Minor—Administration Supervision
- HACKETT, DAISY PEARL Major—Elementary Education Minor—Administration and Supervision
- HARRISON, MEATRA Major—Administration and Supervision Minor—Elementary Education
- HARRISON, MEATRA DEVERA Major—Home Economics Minor—Administration and Supervision
- HENNINGTON, SAMUEL H. Major—Administration and Supervision Minor—Industrial Education
- HERNDON, KATHERYN WADE Major—Elementary Education Minor—Health Education
- HILL, EULALIA MONTGOMERY Major—Home Economic Minor—Elementary Education
- HILL, GARFIELD Major—Administration and Supervision Minor—Elementary Education
- JACKSON, EUGENIA BUTLER Major—Elementary Education Minor—Health Education
- JOHNS, CLARENCE ALBERT Major—Administration and Supervision Minor—Agricultural Education
- JOHNSON, ESTELLA SELLS Major—Elementary Education Minor—Administration and Supervision
- JOHNSON, LUCILLE MILDRED Major—Elementary Education Minor—Health Education
- JONES, WILLIAM EVERETT Major—Industrial Education Minor—Administration and Supervision
- KENNARD, ANNIE MAE Major — Elementary Education Minor — Administration and Supervision
- KNOX, MABLE E. WELLS Major—Elementary Education Minor—Administration and Supervision
- LEWIS, CHARLIE MARION Major—Administration and Supervision Minor—Health Education
- LEWIS, ESTHER RUTH Major—Home Economic Education Minor—Health Education
- LOGAN, WILLIAM DAVIS Major—Administration and Supervision Minor—Elementary Education
- McCANN, LOIS Major—Administration and Supervision Minor—Health Education
- McDONALD, FALONIA Major—Administration and Supervision Minor—Health Education
- MOORE, ALBERTA JANNIE Major—Elementary Education Minor—Health Education
- MOSLEY, TENOLA ROBERTS Major—Elementary Education Minor—Administration and Supervision
- MUCKLEROY, MATTIE LEE Major—Administration and Supervision Minor—Home Economics
- PETTIE, HENRY Major—Industrial Education Minor—Administration and Supervision
- PETTY, GRAYSON RICHARD Major—Industrial Education Minor—Administration and Supervision
- POWELL, MYRTLE EULAH Major—Elementary Education Minor—Health Education
- RAGSDALE, OPAL MARTHA Major—Elementary Education Minor—Administration and Supervision
- RHAMBO, OLIVIA VIRGINIA Major—Elementary Education Minor—Administration and Supervision
- SADBERRY, OLIVER WHONE Major—Administration and Supervision Minor—Elementary Education
- SMITH, ZORA M. Major—Home Economic Education Minor—Elementary Education
- SPENCER, ISAAC Major—Administration and Supervision Minor—Health Education
- SPIGNER, WILLIE DANIEL Major—Administration and Supervision Minor—Elementary Education

- STEWART, CHARLES EDWARD Major—Administration and Supervision Minor—Elementary Education
- STEWART, GENEVA TERRELL, Major—Administration and Supervision Minor—Health Education
- TAYLOR, ETHEL LEE TURNER Major—Elementary Education Minor—Administration and Supervision
- THOMAS, ANNIE BEAVER Major—Elementary Education Minor—Sociology
- THOMAS, HARVEY LEROY Major—Administration and Supervision Minor—Health Education
- THOMAS, TESSYE BELL Major — Elementary Education Minor — Administration and Supervision
- TURNER, RUBY LEE Y. Major — Elementary Education Minor — Administration and Supervision
- TYLER, JOHNNIE MAE Major—Elementary Education Minor—Home Economics
- WALKER, LLOYD HAROLD Major—Administration and Supervision Minor—Elementary Education
- WATSON, BRIDGET Major—Elementary Education Minor—Health Education
- WHEAT, EDWIN ENGRAM Major—Administration and Supervision Minor—Health Education
- WILHITE, OSCAR EUGINE Major—Administration and Supervision Minor—Elementary Education
- WILLIAMS, FREDERICK DOUGLAS Major—Administration and Supervision Minor—Elementary Education
- WILLIAMS, ORA LEE Major—Administration and Supervision Minor—Health Education
- WILSON, CHARLES EMILY Major—Elementary Education Minor—Health Education
- WILSON, LOIS M. BROWN Major—Elementary Education Minor—Administration and Supervision
- WOODFORK, IRVIN HUGHES Major—Administration and Supervision Minor—Agricultural Education

MASTER OF SCIENCE

- ANDERSON, DESSIE MAE Major—Elementary Education Minor—Administration and Supervision
 Thesis: A Study to Determine Factors Causing Irregular Attendance and Recommendations for the same among the Elementary Children of Woodland School, Mexia, Texas
- BATTS, FRED D. Major—Administration and Supervision Minor—Elementary Education
 Thesis: A Follow-up Study of the Graduate and Drop-outs of the John M. Moore School 1942-1948
- BLANCHE, MARY TURNER Major—Administration and Supervision Minor—Elementary Education
 Thesis: The Preparation and Assignment of the Staff at I. M. Terrell High School, Fort Worth, Texas
- BOOZER, FLOYD E. Major—Agricultural Education Minor—Administration and Supervision
 Thesis: A Study of the Farming Practices of Fifty Negro Farmers in Leon County, Texas
- BOOZER, IRENE A. Major—Sociology Minor—Administration and Supervision
 Thesis: A Study of Consumer Training of Nursery and Elementary School Children at Prairie View
- BOULEWARE, HUGH ETTA Major—Administration and Supervision Minor—Health Education
 Thesis: A Follow-up Study of the Recipients of the Master's Degree from Prairie View Agricultural and Mechanical College
- BRADLEY, EDDIE M. R. Major—Administration and Supervision Minor—Elementary Education
 Thesis: A Study of Retardation in Rosenwald School, Luling, Texas, and Carver School, Lockhart, Texas, Grades 9-12
- BRISCOE, HATTIE RUTH ELAM Major—Administration and Supervision Minor—Industrial Education
 Thesis: Factors Involved in Student Failure at Texas State Board of Hairdressers and Cosmetologists
- BROWN, CONNIE M. Major—Administration and Supervision Minor—Biology
 Thesis: Some Significant Implications of the testing Program at Prairie View A. & M. College

- COTTON, WALTER F. Major—Administration and Supervision Minor—Elementary Education
 Thesis: The Cultural Development of Negroes of Limestone County since 1860
- CUNNINGHAM, IVEY C. Major—Elementary Education Minor—Health Education
 Thesis: Factors Affecting Establishment in Farmers
- DAILEY, HAZEL SMITH Major—Administration and Supervision Minor—Elementary Education
 Thesis: A Study of the Attitudes of the Personnel of Selected Schools Toward the Visiting Teacher Program
- DAVIS, LILLIE LOUISE Major—Home Economics Minor—Elementary Education
 Thesis: The Role of Nutrition in the Incidence of Infectious Diseases and Dietary Treatment During the Febrile Period
- DOUGLAS, ALFRED F. Major—Agricultural Education Minor—Administration and Supervision
 Thesis: The Effectiveness of Vocational Agricultural Instruction in Post Oak Community, Ledbetter, Lee County, Texas
- ECHOLS, JACK W. Major—Administration and Supervision Minor—Elementary Education
 Thesis: Changing Conceptions of School Discipline and Control of School Children
- ELLIS, HASKO V. Major—Agricultural Economics Minor—Administration and Supervision
 Thesis: A Study of the Farming Systems used by Fifty Negro Farm Families of Henderson County, Texas
- FOREMAN, ROBERT B. Major—Administration and Supervision Minor—Elementary Education
 Thesis: What the Patrons of the Mexia Colored School District Expect of the School and Teacher
- FRANKLIN, CLARENCE LEWIS Major—Administration and Supervision Minor—Biology
 Thesis: A Survey of the Guidance Practices of the Homeroom Sponsors at Dunbar High School, Lufkin, Texas
- HUDSON, BETODIA A. Major—Elementary Education Minor—Health Education
 Thesis: A Study of Some Factors Influencing the Social Behavior of Selected Pupils of Blackshear School, Hearne, Texas
- JOHNS, WILLIAM M. Major—Home Economics Education Minor—Elementary Education
 Thesis: An Investigation of Homemaking Needs of Certain Adolescent Girls and Factors Influencing their Enrollment in Homemaking Courses
- KIRK, GRETEL Major—Administration and Supervision Minor—Elementary Education
 Thesis: The Community School From 1940 to 1950
- KISSAM, WILLIAM LOWELL Major—Agricultural Education Minor—Agricultural Economics
 Thesis: A Study of Supervision of Farming Programs of all Day Students as Conducted by Selected Negro Teachers of Vocational Agriculture in Texas
- LEE, WALTER A. JR. Major—Agricultural Education Minor—Administration and Supervision
 Thesis: A Program of Work for 4-H Club Boys in Panola County
- LOVE, JEWEL W Major—Education Minor—Music
 Thesis: A Functional Program for the Teaching of Music in Love High School, Bremond, Texas
- McGEE, CECILE J. Major—Education Minor—Home Economics Education
 Thesis: An Effective Program for Teaching Social Hygiene in Furney Richardson School
- MARK, BERNICE PORTER Major—Administration and Supervision Minor—Health Education
 Thesis: A Study of the Vocational Choices of the Negro High School Students in Polk and Tyler Counties, Texas
- MARSHALL, MATTIE C. Major — Elementary Education Minor — Administration and Supervision
 Thesis: A Student of the Cause of Retardation in Reading in the F. W. Gross School
- MILLER, WEBSTER Major—Administration and Supervision Minor—Health Education
 Thesis: A Study of the Literature of Homogenous Grouping
- MITCHELL, WILLIE Major—Biology Minor—Chemistry
 Thesis: The Psychological Effects of Low Temperature on Rats
- MOORE, ZADIE B.HODGE Major—Administration and Supervision Minor—Elementary Education
 Thesis: A Suggested Program for Organization of Special Education for Negro Children in Corsicana, Texas
- MORRIS, MURRELL LEE Major—Physical Education Minor—Health Education
 Thesis: A Survey of the Health and Physical Education Program of the Accredited Negro High Schools of Texas—1951
- POLLARD, JOHN A. Major—Administration and Supervision Minor—English
 Thesis: Some Methods of Improving Attendance in Bowie County Negro Public Schools

- RANDALL, ELMER Major**—Physical Education Minor—Health Education
Thesis: A Survey of the Health and Physical Education Program for Boys in the Negro State Approved, but not State Accredited High Schools of Louisiana for the School Year 1950-51
- ROBERTS, JOHNNIE D. Major**—Physical Education Minor—Health Education
Thesis: A Profile of Class AA Coaches in Texas
- SADBERRY, ALONZO J. Major**—Administration and Supervision Minor—Agricultural Economics
Thesis: A Study of the Guidance Practices in Negro Senior High Schools of Houston, Texas
- SMITH, GERTRUDE B. Major**—Elementary Education Minor—Administration and Supervision
Thesis: Determining to what Extent Community Resources are used as Teaching Aids in the Eight Negro Elementary Schools of Waller County
- SMITH, ROSA MALONE Major** — Elementary Education Minor — Administration and Supervision
Thesis: The Integration of Music in the Curriculum for the Alex S. Terrell Elementary School, Anderson, Texas
- TURNER, WILBUR ALDEN Major**—Agricultural Economics Minor—Administration and Supervision
Thesis: A Problem of Soil Conservation in the Farming Program of Fifty Negro Farmers in Morris County Texas
- WADDY, MAGGIE M. Major**—Home Economics Education Minor—Elementary Education
Thesis: The Study of the Diet Habits and Some Related Factors of Pupils in the Fifth, Sixth, Seventh and Eighth Grades of Wharton County Schools, Texas
- WADE, LILLIAN HENRY Major**—Elementary Education Minor—Health Education
Thesis: Pupil Teacher Promotion in Kirkpatrick School, Fort Worth, Texas
- WASHINGTON, RUTHIE M. Major**—Elementary Education Minor—English
Thesis: A Comparative Study of the Social Studied Objectives and Environmental Influences of 1,398 Negro Children in the State of Texas
- WILLIAMS, ELZIE R. Major**—Administration and Supervision Minor—Elementary Education
Thesis: A Program for the Improvement of Public Relation in the Elderville School District, Longview, Texas
- WILLIAMS, JOSIE BROWN Major**—Home Economics Education Minor—Education
Thesis: Life Adjustment Programs of Homemaking Teachers in Area III Texas
- WILSON, SARAH ANN Major**—Home Economics Minor—Education
Thesis: A Study of the Area of Conflict Between 100 Adolescents and their Parents in Yoakum, Texas
- WILSON, SHERMAN S. Major**—Chemistry Minor—Biology
Thesis: The Effects of Vitamin B-12 and Liver Extract on the Utilization of Carotene by the Rat
- WOODS, LEON A JR. Major**—Chemistry Minor—Biology
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- YANCY, DORIS B. Major**—Elementary Education Minor—Administration and Supervision
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