

Prairie View A&M University

Digital Commons @PVAMU

---

Annual Catalog

Catalog Collection

---

8-1950

## Bulletin - The School Year- 1949-51

Prairie View A&M College

Follow this and additional works at: <https://digitalcommons.pvamu.edu/pv-annual-catalog>

---

### Recommended Citation

Prairie View A&M College. (1950). Bulletin - The School Year- 1949-51., *Vol. XLI, NO. 3* Retrieved from <https://digitalcommons.pvamu.edu/pv-annual-catalog/40>

This Book is brought to you for free and open access by the Catalog Collection at Digital Commons @PVAMU. It has been accepted for inclusion in Annual Catalog by an authorized administrator of Digital Commons @PVAMU. For more information, please contact [hvkoshy@pvamu.edu](mailto:hvkoshy@pvamu.edu).

# BULLETIN OF PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS

---

VOL. 41

AUGUST 1950

No. 3

---



SEVENTY-FIRST CATALOG EDITION  
1949-50

WITH ANNOUNCEMENTS FOR  
1950-51

---

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

---

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

---

BULLETIN OF  
PRAIRIE VIEW AGRICULTURAL AND  
MECHANICAL COLLEGE OF TEXAS

No. 3

1920-1921

Vol. 4

## RECOGNITION

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

WITH ANNOUNCEMENTS FOR  
1920-21

Published quarterly by Prairie View Agricultural and Mechanical College, Prairie View, Texas.  
Entered as second-class matter July 16, 1918, at Prairie View, Texas, under No. 1022.  
Postoffice at Prairie View, Texas, and of second-class, 1918.

## TABLE OF CONTENTS

Recognition .....	(ii)
Table of Contents .....	(iii)
College Calendar, Summer 1950 .....	(iv)
College Calendar, 1950-1951, Summer 1951 .....	(iv)
Officers of Administration .....	1- 4
Officers of Instruction .....	5- 10
Other Officers and Assistants and Graduate Fellows .....	10- 11
Veterans Counselor and Guidance Center .....	12
Alumni Activities .....	13
General Information .....	14- 27
Awards, Prizes and Scholarships .....	17- 20
Regulations, Expenses and Fees .....	20- 27
Admission (Including admission of veterans) .....	28- 30
Scholastic Regulations .....	30- 34
Degrees, Diplomas and Certificates .....	34- 36
Teaching Certificate Requirements .....	37
School of Agriculture .....	38- 49
School of Arts and Sciences .....	50- 99
Department of Military Science .....	99-100
School of Home Economics .....	101-106
Department of Cooking and Baking .....	107-108
School of Engineering .....	109-147
Division of Nursing Education .....	148-152
Correspondence Department and Extension Schools .....	153-160
Enrollment (Names and Classification) .....	161-180
Names of Graduates .....	180-183
Summary (Statistical), Degrees, Diplomas and Certificates .....	182, 185 and 188,
Enrollment (Statistical Summaries) .....	188-189
School of Graduate Study .....	191

# THE COLLEGE CALENDARS

## SUMMER SESSION—1950

June 5	Registration, First Term
June 6	Classes Begin
July 15	First Term Closes
July 17	Registration, Second Term
July 18	Classes Begin
August 26	Second Term Closes

## REGULAR SESSION—1950-51

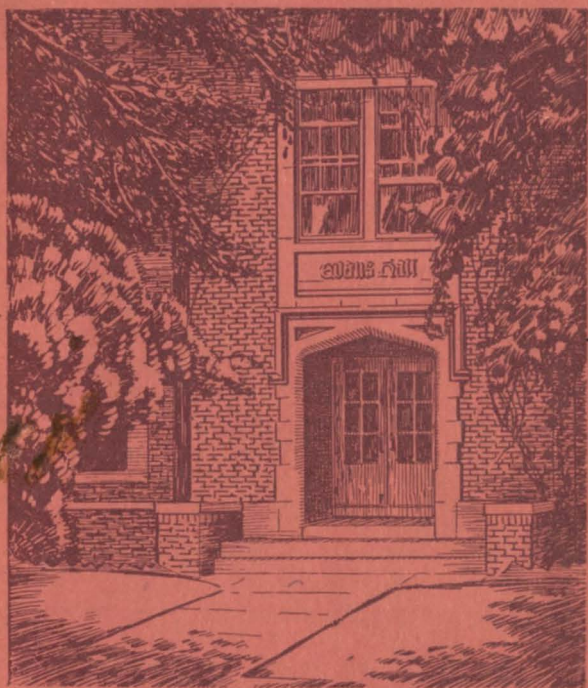
September 11	Faculty Orientation
September 18	New Students Report—Dining Hall Opens
September 18-23	Orientation and Registration
September 25	Classes Begin
November 9-11	Mid-semester Examinations
November 23	Thanksgiving Holiday
December 20	Christmas Holidays Begin

## 1951

January 2	Classes Resume
January 22-26	Final Examinations
January 27	First Semester Ends
January 29-30	Registration, Second Semester
January 31	Second Semester, Classes Begin
March 29-30	Mid-semester Examinations
April 21	San Jacinto Day
May 23-31	Final Examinations
May 31	Second Semester Closes

## SUMMER SESSION—1951

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



BULLETIN OF  
PRAIRIE VIEW AGRICULTURAL AND  
MECHANICAL COLLEGE OF TEXAS  
1950 - 51

---

UNDERGRADUATE AND GRADUATE

---

1876

The Seventy - Fourth Year

1950

1950

## CALENDAR

1950

JANUARY							FEBRUARY							MARCH							APRIL											
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S					
1	2	3	4	5	6	7	.....	.....	1	2	3	4	.....	.....	1	2	3	4	.....	.....	.....	.....	.....	.....	1							
8	9	10	11	12	13	14	5	6	7	8	9	10	11	5	6	7	8	9	10	11	2	3	4	5	6	7	8					
15	16	17	18	19	20	21	12	13	14	15	16	17	18	12	13	14	15	16	17	18	9	10	11	12	13	14	15					
22	23	24	25	26	27	28	19	20	21	22	23	24	25	19	20	21	22	23	24	25	16	17	18	19	20	21	22					
29	30	31	.....	.....	.....	.....	26	27	28	.....	.....	.....	26	27	28	29	30	31	.....	23	24	25	26	27	28	29						
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30	.....	.....	.....	.....	.....	.....						
MAY							JUNE							JULY							AUGUST											
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S					
.....	1	2	3	4	5	6	.....	.....	.....	.....	.....	1	2	3	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1	2	3	4	5
7	8	9	10	11	12	13	4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12					
14	15	16	17	18	19	20	11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19					
21	22	23	24	25	26	27	18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26					
28	29	30	31	.....	.....	.....	25	26	27	28	29	30	.....	23	24	25	26	27	28	29	27	28	29	30	31	.....	.....					
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....							
SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER											
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S					
.....	.....	.....	.....	.....	.....	1	2	1	2	3	4	5	6	7	.....	.....	.....	.....	.....	.....	1	2	3	4	.....	.....	.....	.....	.....	.....	1	2
3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9					
10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16					
17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23					
24	25	26	27	28	29	30	29	30	31	.....	.....	.....	26	27	28	29	30	.....	24	25	26	27	28	29	30							
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	31	.....	.....	.....	.....	.....	.....							

1951

## CALENDAR

1951

JANUARY							FEBRUARY							MARCH							APRIL									
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S			
.....	1	2	3	4	5	6	.....	.....	.....	.....	.....	1	2	3	.....	.....	.....	.....	.....	.....	1	2	3	1	2	3	4	5	6	7
7	8	9	10	11	12	13	4	5	6	7	8	9	10	4	5	6	7	8	9	10	8	9	10	11	12	13	14			
14	15	16	17	18	19	20	11	12	13	14	15	16	17	11	12	13	14	15	16	17	15	16	17	18	19	20	21			
21	22	23	24	25	26	27	18	19	20	21	22	23	24	18	19	20	21	22	23	24	22	23	24	25	26	27	28			
28	29	30	31	.....	.....	.....	25	26	27	28	.....	.....	.....	25	26	27	28	29	30	31	29	30	.....	.....	.....	.....	.....			
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....					
MAY							JUNE							JULY							AUGUST									
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S			
.....	1	2	3	4	5	6	.....	.....	.....	.....	.....	1	2	1	2	3	4	5	6	7	.....	.....	.....	.....	.....	.....	1	2	3	4
7	8	9	10	11	12	13	3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11			
13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18			
20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25			
27	28	29	30	31	.....	.....	24	25	26	27	28	29	30	29	30	31	.....	.....	.....	26	27	28	29	30	31	.....				
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....					
SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER									
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S			
.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	2	3	.....	.....	.....	.....	.....	.....	1	2	3	.....	.....	.....	.....	.....	.....	1
2	3	4	5	6	7	8	14	15	16	17	18	19	20	4	5	6	7	8	9	10	2	3	4	5	6	7	8			
9	10	11	12	13	14	15	7	8	9	10	11	12	13	11	12	13	14	15	16	17	9	10	11	12	13	14	15			
16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24	16	17	18	19	20	21	22			
23	24	25	26	27	28	29	28	29	30	31	.....	.....	25	26	27	28	29	30	.....	23	24	25	26	27	28	29				
30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30	31	.....	.....	.....	.....	.....					

# 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

## BOARD OF DIRECTORS

G. R. WHITE, *President*

Banker and Ranchman—Brady

JOHN W. NEWTON, <i>Vice, President</i>	RUFUS R. PEEPLES
Oil Company Executive— Beaumont	Farmer and Ranchman— Tehuacana
E. W. HARRISON	TYREE L. BELL
Ranchman—South Bend	Engineer and Contractor— Dallas
ROY C. POTTS	C. C. KRUEGER
Merchant—Belton	Business Executive— San Antonio
HENRY REESE, III	A. E. CUDLIPP
Publisher—Gonzales	Business Executive—Lufkin

## ADMINISTRATIVE OFFICERS

GIBB GILCHRIST, *Chancellor*

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



## PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS

### ADMINISTRATIVE OFFICERS

- E. B. EVANS, V.M.D., *President of the College*  
 W. R. BANKS, LL.D., *President Emeritus*  
 J. M. DREW, ED.D., *Dean of Instruction, Dean of Graduate School*  
 T. P. DOOLEY, PH.D., *Dean of School of Arts and Sciences*  
 CLAUDE L. WILSON, M.E., M.S., *Dean of the School of Engineering*  
 G. L. SMITH, M.S., *Dean of School of Agriculture*  
 MRS. E. MAY GALLOWAY, M.S., *Dean of School of Home Economics*  
 C. F. CALLOWAY, M.D., *Director of Division of Nursing Education 50-51  
and Resident Physician*  
 L. E. SCOTT, B.A., *Director of Student Life*  
 H. E. FULLER, *Dean of Men*  
 R. L. BLAND, M.S., *Dean of Women*  
 HARRY B. REUBEL, *Lieutenant Colonel, Infantry, U.S.A., Commandant,  
Reserve Officers Training Corps*  
 THOMAS R. SOLOMON, PH.D., *Registrar and Chairman of Admissions*  
 ORESTES J. BAKER, M.L.S., *Librarian*  
 HARVEY R. TURNER, B.S., *Treasurer*  
 ROBY W. HILLIARD, PH.M., *Office of Information*  
 W. C. DAVID, B.S., *State Director, Extension Service for Negroes*

### OFFICE OF THE REGISTRAR

- THOMAS R. SOLOMON, PH.D., *Registrar and Chairman of Admissions*  
 LEMMON C. McMILLAN, B.A., *Assistant Registrar*  
 BERNICE B. BROOKS, B.A., *Record, Research and Transcript Clerk*  
 ELINOR C. FLEWELLEN, B.A., *Secretary and Machine Record Clerk*  
 PAUL L. WALL, B.A., *Receptionist and Secretary to the Registrar*

### FISCAL OFFICE

- HARVEY R. TURNER, B.S., *Treasurer*  
 CAMERON S. WELLS, P.A., *Accountant*  
 LA VAUGHN C. MOSLEY, B.S., *Cashier*  
 MRS. B. B. RICHARDSON, *Assistant Cashier*  
 ROBERT J. HUNT, B.S., *Head Bookkeeper*  
 MRS. C. M. LOVE WHITEHEAD, *Vouchers and Orders Clerk*  
 MRS. LILLIAN J. MORRIS, A.B., *Clerk, Tax, Retirement, etc.*  
 ETHEL LAWSON, *Assistant Bookkeeper*  
 JESSE L. OLIVER, A.A., *Teller*  
 OLLIE C. POLK, B.A., *Inventory Clerk and Checker*  
 J. B. DEBOSE, B.A., *Collector of Accounts*  
 GRETTEL KIRK, B.A., *Secretary*  
 T. R. LAWSON, *Manager, Filling Station and Warehouse*  
 JAMES A. WASHINGTON, *Assistant Military Property Custodian*

## HOSPITAL

C. F. CALLOWAY, M.D., *Director of Division of Health*  
 E. R. OWENS, M.D., *Resident Physician*  
 D. B. PHILLIPS, R.N., *Superintendent of Nurses*  
 EUNICE D. SNOW, *Secretary*

## DINING HALL

R. W. HILLIARD, Ph.M., *Manager*  
 ALVERA E. DUNCAN, B.A., *Secretary*  
 J. L. BOYER, M.S., *Manager of Storeroom*  
 COMPTON H. JOHNSON, B.S., *Supervisor of Student Dining Hall*  
 COLUMBUS M. MICKENS, *Chef Cook*  
 CLARA E. TORRY, *Cafeteria Manager*  
 DURIA HENDERSON, *Baker*  
 MADISON KILPATRICK, *Assistant Chef*  
 MRS. NELL MARIE NORMAN, *Assistant Supervisor of Student Dining Hall*

## THE W. R. BANKS LIBRARY

ORESTES J. BAKER, M.L.S., *Librarian*  
 MRS. MARIE H. LEE, B.L.S., *Cataloger*  
 ANNIE B. MILLS, B.S. in L. S., *Reference Librarian*  
 MRS. BENNIE L. SHIELDS, B.S. in L.S., *Instructor in Library Service Education*  
 MRS. JIMMIZINE B. TAYLOR, B.S. in L.S., *Circulation Librarian*  
 MRS. FLORENCE E. VAUGHN, M.S., *Associate Supervisor of School Libraries*  
 MRS. MABLE F. BRADLEY, M.S., *Circulation Associate*  
 OZANIA B. DAVIS, A.B., *Serials Assistant*  
 MRS. IDA E. JONES, B.S., *Circulation Assistant*  
 MARY E. LAW, A.B., *Circulation Assistant*  
 LOUIS R. PERKINS, B.S., *Reference Assistant*  
 MRS. RAE E. PIERSON, A.B., *Secretary*

## COLLEGE EXCHANGE

NATHANIEL C. HARDEN, B.S., *Manager*  
 ROBERT JOHNSON, *Assistant Manager*  
 MRS. CELESTINE D. TAYLOR, *Certificate, Secretary*  
 MRS. MERLENE SCOTT, B.S., *Clerk*  
 FLORENCE JONES, B.A., *Clerk*

## MECHANIC ARTS UTILITIES AND SERVICES DIVISION

CLAUDE L. WILSON, M.E., M.S., *Director*  
 ALVIS A. LEE, *Superintendent of Buildings and College Utilities*  
 ISAAC BENNETT, *Custodian, Gymnasium*  
 ANDREW E. CHARLESTON, B.S., *Engineer, Steam Plant*  
 A. O. CRAVIN, *Custodian of Buildings*

JAMES E. DAILEY, B.S., *Electrician*  
 EDNA M. DORSEY, B.S., *Telephone Operator*  
 HENRIETTA T. FARRELL, B.S., *Superintendent of Laundry*  
 FRANCIS G. FRY, B.S., in E.E., *Chief Engineer, Steam Plant*  
 EDGAR G. HENRY, B.S., *Chief Clerk, Division of Mechanic Arts*  
 JOE JONES, *Head of Truck Operations*  
 QUEEN E. JONES, *Secretary, Department of Buildings and College Utilities*  
 WILLIAM S. KIDD, *Plumbing Repairman*  
 MRS. JOHNETTA KING, *Assistant Custodian of Gymnasium*  
 DOROTHY A. LEE, *Secretary, Division of Mechanic Arts*  
 MRS. ELLIE A. MATHIS, B.S., *Telephone Operator*  
 VERA M. PETTIE, B.S., *Telephone Operator*  
 ALFRED RICHARDS, *Engineer, Steam Plant*  
 Q. D. THOMAS, *Engineer, Steam Plant*  
 IRA TOMPKINS, *Carpenter Repairman*  
 MRS. RUTH THOMPSON, *Head Telephone Operator*  
 MABEL R. TURNER, *Secretary, Division of Mechanic Arts*  
 HAROLD G. WASHINGTON, *Cleaning and Pressing*  
 ADDISON I. WATSON, *Engineer, Steam Plant*  
 VEIDA N. WILLIAMSON, *Secretary, Division of Mechanic Arts*

# OFFICERS OF INSTRUCTION, 1949-1950

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

- ADKINS, LONNYE OLLIE (1949) ..... *Mechanic Arts*  
 B.S., Hampton Institute, 1948.
- ASHFORD, JAMES TIMOTHY (1947) ..... *Music*  
 B.S. in Music, Wilberforce University, 1945; M.A., New York University, 1947;  
 ibid, Summers 1947 and 1948.
- BAILEY, ROBERT ERNEST (1946) ..... *Mechanic Arts*  
 Certificate in Shoemaking, Prairie View College, 1922.
- BAKER, ORESTES J. (1931) ..... *Librarian*  
 A.B., Morehouse College, 1930; B.L.S., Hampton Institute, 1931; M.L.S., Columbia  
 University, 1936.
- BELL, WILLIE JAMES (1949) ..... *Printing*  
 Certificate in Printing, Prairie View A. & M. College, 1947.
- BLAND, REDA LEE (1943) ..... *Mathematics*  
 B.S., Prairie View College, 1936; M.S., ibid, 1944.
- BRADFORD, MOLLYE KATHRYN (1946) ..... *Home Economics*  
 B.S., Tennessee State College, 1936; M.Ed., Wayne University, 1944.
- BROOKS, GEORGE WILLIAM (1943) ..... *Political Science*  
 B.S., Indiana University, 1941; M.S., ibid, 1942; LL.B., La Salle University, 1947.
- BROWN, JONEL LEONARD (1943) ..... *Head of Department of Economics  
 and Business Administration*  
 A.B., Morehouse College, 1930; M.A., University of Wisconsin, 1941; Ph.D., ibid,  
 1946.
- BURDINE, DOROTHY I. (1933, 1938) ..... *Education*  
 A.B., A.M., Colorado State College of Education, 1933; University of Denver, Sum-  
 mers 1936, 1942, 1947.
- BURLEY, ROY W., 1st Lt. 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 Uni-  
 versity, Summer, 1948.
- BUTLER, IRIS ANGELYN (1949) ..... *French*  
 B.S., Dillard University, 1944; M.S., Middlebury College, 1948.
- CALLOWAY, ILA ELIZABETH (1949) ..... *Social Science*  
 B.A., Wayne University, 1947; ibid, 1947, 1948, and 1949.
- CALVIN, ALBERT WESLEY (1949) ..... *Mathematics*  
 A.A., Kansas State Teachers, 1942; M.A., Columbia University 1948.
- CAMPBELL, ANNA LUCILLE (1932) ..... *Head, Department of English*  
 A.B., Bradley Polytechnic Institute, 1930; M.A., Northwestern University, 1935;  
 New York University, 1946-1948.
- CARPENTER, CHARLES E. (1925) ..... *French*  
 B.L., University of California, 1901; M.L., ibid, 1908.
- CLEAVER, ARTHUR G. (1926) ..... *Broom and Mattress Making*  
 Diploma, Prairie View State College, 1911; Certificate in Broom and Mattress Making  
 and Agriculture, 1911; Tuskegee Institute, Summer 1924.
- COLEMAN, ZELIA S. (1947) ..... *Home Economics*  
 B.S. in Ed., Bishop College, 1930; B.S., in H.E., Prairie View College, 1938; M.S.,  
 Kansas State College, 1947; University of Wisconsin, Summer, 1948 and 1949.
- COLLINS, SAMUEL ROBERT (1949) ..... *Mechanic Arts*  
 B.S., Prairie View A. & M. College, 1949.

- CORUTHERS, JOHN M. (1937) ..... *Agricultural Economics*  
 B.S., Hampton Institute, 1925; M.S., University of Wisconsin, 1928; Ph.D., Cornell University, 1940.
- COSS, MRS. CARRIE BELL (1946) ..... *Psychology*  
 A.B., Howard University, 1926; B.E., University of Cincinnati, 1927; M.A. Columbia University, 1940.
- CULLINS, ELLA WEBB (1942) ..... *Department of Music*  
 B.A., Philander Smith College, 1940; M.A., Boston University, 1942.
- DANIELS, THOMAS EDWARD (1948) ..... *Mechanic Arts*  
 B.S., Iowa State University, 1948; *ibid*, Summer 1948.
- DAVIS, MALCOLM ADKINS (1943) ..... *English*  
 A.B., Virginia State College, 1936; M.A., New York University, 1939; New York University, 1939-40, 1940-41, Summer 1948. (Residence and Preliminary Comprehensive completed toward Ed.D.)
- DAVIS, ROBERT LEE (1949) ..... *Agriculture*  
 B.S., Virginia State College, 1942; M.S., University of Wisconsin, 1949.
- DAVIS, SAMUEL WALTER (1948) ..... *Education*  
 B.S., Southern Illinois Normal University, 1941; M.S., Loyola University, 1948; University of Chicago, Summer 1948.
- DICKSON, MATHIS D., JR. (1947) ..... *Printing*  
 B.S., Prairie View University, 1947; *ibid*, Summer 1948.
- DOOLEY, THOMAS P. (1934) ..... *Director of Arts and Sciences Division*  
 B.A., Morehouse College, 1927; M.S., 1931; Ph.D., 1939, University of Iowa.
- DREW, MRS. ALICE J. (1945) ..... *Training School*  
 B.S., University of Illinois, 1933; M.S., Cornell University, 1943.
- DREW, JESSE MONROE (1943) ..... *Dean of College, Director of Graduate Study*  
 B.S., Lincoln University, 1929; M.S., Kansas University, 1939; Ed.D., Harvard University, 1944.
- ELLIS, MRS. DELIA MAE (1947) ..... *Home Economics*  
 B.S., 1935; M.S., 1945, Prairie View College; University of California, summer 1946.
- ELLISON, JOSEPH EMMETT (1946) ..... *Education and Physics*  
 A.B., Fisk University, 1910; M.A., University of Michigan, 1946.
- ENGRAM, LEWIS W. (1948) ..... *Agriculture*  
 B.S., Hampton Institute, 1940; M.S., Michigan State College, 1946.
- EVERETT, RUTH ELIZABETH (1950) ..... *French*  
 B.A., Bennett College, 1943; M.A., University of Michigan, 1944; Middlebury College, 1945-46; New York University, 1949.
- 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.
- GALLOWAY, MRS. ELIZABETH C. MAY (1932) ..... *Director, Division of Home Economics*  
 B.S., Kansas State College, Summer, 1919; M.S., 1933; University of Chicago, 1930; University of Minnesota, 1938-39.
- GARRETT, CONNALLY SHELTON (1948) ..... *Music*  
 B.A., Prairie View State College, 1943; M. Music, New England Conservatory of Music, 1948; Harvard University, Summer, 1949.
- GILES, THOMAS J. (1949) ..... *Mechanic Arts*  
 B.S., Pennsylvania State College, 1949.
- GREENE, ESTELLE PEOPLES (1948) ..... *English*  
 A.B., Arkansas State College, 1942; M.A., Columbia University, 1948; *ibid*, 1948.
- GUINN, EDWARD W. (1948) ..... *Chemistry*  
 B.S., Prairie View State College, 1945; Howard University, 1947-48.
- HALL, JULIA KATHRYN (1948) ..... *Home Economics*  
 B.S., Morgan State College, 1942; M.A., New York University, 1948; New York University, Summer 1948.
- HALLIBURTON, WARREN JENNINGS (1949) ..... *English*  
 B.S., New York University, 1949; *ibid*, 1949 and Summer 1949.
- HENDERSON, DURIA (1945) ..... *Baking*  
 Certificate in Baking, Prairie View College, 1940; Certificate in Radio Engineering, *ibid*, 1943.

- HERNDON, DANIEL NORRIS (1946) ..... *Mechanic Arts*  
 B.S., Prairie View State College, 1939.
- HIGH, EDWARD GARFIELD (1946) ..... *Chemistry*  
 A.B., 1940; A.M., 1941; Ph.D., 1949; Indiana University.
- HILL, JESSIE LEON (1945) ..... *Tailoring*  
 B.S., Prairie View College, 1940.
- HOLLEY, THOMAS L. .... *Trade and Industrial Education*  
*Teacher-Training*  
 B.S., Prairie View College, 1930; B.S. in Ind. Ed., *ibid*, 1931; M.E., Colorado State Agricultural and Mechanical College, 1947.
- HOUSTON, HASKELL S. (1942) ..... *Drawing and Drafting*  
 B.S., Prairie View College, 1933; Polytechnic Institute of Brooklyn, Summer, 1948.
- IRVING, MATTIE LYLES (1948) ..... *Business Administration*  
 B.S., Tennessee State Teachers College, 1935; M.A., Columbia University, 1948.
- JACKSON, BADIE LOUISE (1948) ..... *Nursing Education*  
 Diploma in Nursing Education, Prairie View A. & M. College, 1948.
- JACKSON, CLARENCE WESLEY (1949) ..... *Education*  
 A.B., Southern University, 1939; M.S., University of Southern California, 1947; *ibid*, 1948-49.
- JACOBS, WALTA MAE (1948) ..... *Nursing Education*  
 Diploma in Nursing Education, Prairie View A. & M. College, 1948.
- JAMES, LEE BANNER (1947) ..... *Industrial Education*  
 B.S., Lincoln University, 1939; M.S., Wayne University, 1944.
- JOHNSON, MRS. BLANCHE EDWARDS (1946) . . *Social and Political Science*  
 B.S., 1932; M.S., Prairie View College, 1946; New York University, Summer, 1948.
- JOHNSON, EDWARD J. (1927) ..... *Auto Mechanics*  
 Certificate in Auto Mechanics, Prairie View College, 1919.
- JOLLIE, WILLIAM JONES (1949) ..... *Mechanic Arts*  
 Trade Certificate, Hampton Institute, 1930; Trade Certificate, R. T. Coles Trade School, 1925
- JONES, HERMAN T. (1947) ..... *Natural Science*  
 A.B., University of Kansas, 1931; A.M., *ibid*, 1933; *ibid* 1946.
- JONES, N.A. .... *Auto Mechanic and Machine Shop Practice*  
 1920, 1929, 1933, Kansas State Teachers College.
- KENNEDY, JAMES SCOTT (1949) ..... *English*  
 B.A., New York University, 1948; M.A., *ibid*, 1949; *ibid*, Summer 1949.
- KENNEDY, JOSEPH COLVIN (1950) ..... *English*  
 B.S., Ohio State University, 1948; Western Reserve University, 1949; Cleveland-Marshall Law School, 1949.
- \*KING, CURTIS R. (1946) ..... *Music*  
 B.A., Knoxville College, 1945; Columbia University, Summer 1948.
- KING, JIMMIE JR. (1949) ..... *Business Administration*  
 B.S., Langston University, 1947; (Completed course and thesis for M.A. at University of Nebraska, 1948, examinations pending).
- KINCHELOW, HOWARD JEFFERSON (1947) ..... *Education*  
 B.S., Colorado State A. & M. College, 1946; M.Ed., *ibid*, 1947.
- KNIGHT, PERRY VERTRUM (1949) ..... *Economics*  
 A.B., Morehouse College, 1941; M.A., New York University, 1946; *ibid*, Summer 1946, 1946-47 and Summer 1947.
- LANE, RUTHCELIA I. (1944) ..... *Home Economics, Clothing*  
 A.B., Fisk University, 1939; M.A., Columbia University, 1944; Pratt Institute, 1943.
- LEE, WISTER MELVIN (1946) ..... *Physical Education*  
 B.S., 1941, Prairie View College, M.S., *ibid*, 1946, New York University, Summer, 1948.
- MCBRIER, MAXINE (1944) ..... *Romance Languages*  
 B.A., Kansas University, 1937; M.A., *ibid*, 1942; University of Minnesota, Summer 1942, 1946-47.
- MCNEELEY, LIGGETT (1948) ..... *Mechanic Arts*  
 Certificate in Shoe Repairing, Prairie View A. & M. College, 1948.

\* On leave

- MARTIN, AUDRAN KENT (1949) ..... *Mathematics*  
B.S., Kentucky State College; M.S., Wayne University, 1949.
- MARTIN, DANIEL W. (1919) ..... *Electricity*  
B.S., Mechanic Arts, Prairie View College, 1928; Kansas State Teachers College, Summer 1933; Prairie View College, Summers 1940-41.
- MARTIN, LEON W. (1949) ..... *Mechanic Arts*  
Certificate in Brickmasonry, 1947
- MITCHELL, WILLIE (1949) ..... *Biology*  
B.S., Prairie View A. & M. College, 1949
- MARTIN, RUBY DECURTIS (1950) ..... *Physical Education*  
B.S., A. & T. College of North Carolina, 1947; New York University, 1948; Juanita School of the Dance, 1947; Affem Oddock African Cuban Dance Studio, 1949.
- MOORE, BRADLEY GEORGE (1949) ..... *Music*  
B.S., Alabama State Teachers College, 1936; M.A., Ohio State University, 1949.
- NICHOLAS, CHARLES HAWKINS (1943) ..... *Chairman of Biology Section,  
Natural Science Department*  
A.B., Talladega College, 1930; M.S., University of Michigan, 1939; Columbia University, Summer, 1934; Atlanta University Workshop, Summer, 1941; Chicago University, Summer 1947, 1947-48 and Summer 1948.
- NICKS, WILLIAM JAMES (1945) ..... *Head, Department of  
Physical Education*  
A.B., Morris Brown College, 1928; M.A., Columbia University, 1941.
- NORRIS, ERNEST MISHEAL (1927-28, 1937-45, 1946) ..... *Agriculture*  
B.S., Prairie View State College, 1927; M.S., Cornell University, 1931; Ph.D., *ibid*, 1934.
- O'BANION, ELMER E. (1939) ..... *Head, Department of Natural Sciences*  
A.B., Indiana University, 1934; M.A., 1935, Ph.D., *ibid*, 1942.
- \*OWENS, EMIEL (1948) ..... *Agriculture*  
B.S., Prairie View A. & M. College, 1947; M.S., *ibid*, 1948.
- OWENS, EMORY R. (1941) ..... *Resident Physician*  
A.B., Fisk University, 1936; M.D., College of Physicians and Surgeons, 1941.
- PERKINS, LEE E. (1945) ..... *Social Sciences*  
B.A., Prairie View College, 1936; University of Michigan, 1941.
- PENDERGRAFF, ANNIE LOIS BROWN (1948) ..... *Home Economics*  
B.S., Prairie View State College, 1931, M.S., *ibid*, 1943.
- PHILIO, ANNIE J. (1950) ..... *Spanish*  
B.S., Prairie View State College, 1945; University of Kansas, 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 College, 1938; 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; Julliard School of Music 1948-49.
- POINDEXTER, ALFRED N. (1945) ..... *Veterinary Medicine*  
D.V.M., Kansas State College, 1945.
- POWELL, MAJOR J., JR. (1949) ..... *Physical Education*  
B.A., Morris Brown College, 1940; Ed.M., University of Pittsburgh, 1949.
- 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, 1933-39.
- RANDALL, ALBERT W. (1923) ..... *Head, Department of Mathematics*  
B.S., Alcorn A. & M. College, 1916; A.M., University of Colorado, 1929; Summers, 1937, 1940.

\* On Leave

- RANDALL, MRS. BEATRICE H. (1945) ..... *Training School*  
B.S., Prairie View College, 1927; M.S., *ibid.*, 1945.
- RANDALL, JAMES A. (1948) ..... *Sociology*  
B.A., University of Michigan, 1947; M.A., *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.
- REUBEL, HARRY B. (1948) ..... *Professor of Military Science and Tactics*  
Diploma, La Salle, 1938; Certificate, U. S. Army Information and Education School, 1946; Certificate, U. S. Army Coast Artillery School, 1941; Certificate, *ibid.*, 1942; Certificate, *ibid.*, 1946; Certificate, U. S. Army Advanced Infantry School, 1948.
- ROBERSON, ERNEST T. (1949) ..... *Agriculture*  
B.S., Hampton Institute, 1949.
- \*ROSS, JOHN R. (1945) ..... *Agriculture*  
B.S., Virginia State College, 1936; M.S., Cornell University, 1945; *ibid.*, 1949-50.
- SAMUEL, WILLIAM A. (1945) ..... *Chemistry*  
B.S., Johnson C. Smith University, 1933; M.S., Atlanta University, 1940; *ibid.*, Summers, 1942, 1943; Ohio State University, 1948-49 and Summer, 1949.
- SALLEE, GLADYSE LORRAINE (1949) ..... *Physical Education*  
B.S., Tennessee A. & I. State College, 1946; M.A., University of Michigan, 1948.
- SCOTT, LLOYD E. (1949) ..... *Social Science*  
B.A., Prairie View College, 1936; University of Chicago, Summer 1948.
- SHEEN, EDWIN DRUMMOND (1943) ..... *English*  
A.B., James Milikin University, 1925; M.A., University of Illinois, 1927; University of Chicago, 1929, 1936-37, Summer 1938, Summer 1942, 1946-47; Northwestern University, Summers, 1930-31; University of Illinois, 1947-48, Summer 1948.
- SHEEN, ROMA S. (1944, 1946) ..... *Mathematics*  
B.S., Tennessee State A. & I. College, 1934; M.S., University of Iowa, 1935; University of Illinois, 1935-36.
- SHIELDS, MRS. BENNIE L. J. (1946) ..... *Library Science Education*  
B.A., Prairie View College, 1941; B.S. in L.S., University of Denver, 1947.
- SMITH, GEORGE L. (1931) ..... *Dean, School of Agriculture*  
B.S., Hampton Institute, 1929; M.S., Kansas State College, 1941; *ibid.*, 1940-41.
- SMITH, OLIVER EMMIT (1949) ..... *Agriculture*  
B.S., Prairie View A. & M. College, 1947; M.S., University of Nebraska, 1949.
- SOLOMON, THOMAS R. (1939) ..... *Head, Department of History, Philosophy and Political Science*  
A.B., Wayne University, 1929; M.S., *ibid.*, 1933; Ph.D., University of Michigan, 1939.
- SPALDING, SYDNEY W. (1944) ..... *English*  
A.B., Eureka College, 1929; A.M., University of Illinois, 1930; University of Michigan, 1933-34, 1937-39.
- STEVENS, JAMES A. (1947) ..... *Physical Education*  
B.S., Kansas State Teachers College, 1929; M.S., University of Southern California, 1947; *ibid.*, 1947.
- STICKNEY, WILLIAM H. (1945) ..... *Printing*  
Diploma and Certificate in Printing, Alabama Agricultural and Mechanical Institute, 1924; Mergenthaler Linotype School, Summer, 1925; Colorado State College, Summer, 1931; Carnegie Institute of Technology, Summer, 1933; *ibid.*, year 1934-35.
- THOMAS, ALVIN IGNACE (1949) ..... *Mechanic Arts*  
B.S., Kansas State Teachers College, 1948; M.S., *ibid.*, 1949.
- THOMAS, MRS. BESSIE A. (1942) ..... *Training School*  
B.S., 1938; M.S., Prairie View College, 1942.
- 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; Hampton Institute, Summer, 1931; University of Chicago, Summer 1934; Columbia University, Summer 1936; M.S., Prairie View College, 1945; Cornell University, Summers 1946 and 1948.

\* On Leave



- THOMPSON, WARDELL D. (1944) ..... *Agriculture*  
 B.S., in Agriculture, Prairie View State College, 1940; M.S., *ibid*, 1946; Cornell University, Summers 1946 and 1948.
- \*TOLSON, MELVIN BEAUNORUS, JR. (1946) ..... *Romance Languages*  
 B.S., Wiley College, 1942; B.D., Gammon Theological Seminary, 1946.
- VAILS, MAXWELL W., CAPT. (1948) ..... *Assistant Professor of Military Science and Tactics*  
 B.S., Tuskegee Institute, 1938; Officer's Candidate School, 1942; Advanced Infantry Course, 1944.
- VAN IRVIN, ALFRED (1943) ..... *Science*  
 A.B., Fisk University, 1931; M.S., University of Michigan, 1938; University of Illinois, 1940-42, 1946-47.
- VON CHARLTON, RUDOLPH EVERRETT (1942) ..... *Head, Department of Music*  
 B.S., in Music, Hampton Institute, 1931; M.Mus., University of Michigan, 1939; Ph.D., Columbia University, 1948.
- WAITES, LEROY (1949) ..... *Department of History, Philosophy and Political Science*  
 B.A., Prairie View A. & M. College, 1948.
- WELLS, MRS. THELMA S. (1942) ..... *Training School*  
 B.S., 1930; M.S., 1940, Prairie View State College.
- WESLEY, FRANKLIN DUNBAR IRA (1945) ..... *Mechanic Arts*  
 B.S., Prairie View State College, 1939; M.S., *ibid*, 1946; Illinois Institute of Technology, 1945-46; Kansas State College, Summer, 1948.
- \*WHEADON, EDWINA OFFUTT (1942) ..... *English*  
 A.B., Kentucky State College, 1940; M.A., Indiana University, 1942.
- WHITE, O. IVAN (1949) ..... *Mechanic Arts*  
 B.S., Bishop College, 1935; Motor City Trade School, Summer 1949.
- WILLIAMS, JOHN CALVIN (1940) ..... *Agriculture*  
 B.S., Hampton Institute, 1932; M.S., Kansas State College, 1940; *ibid*, 1948-49 and Summer 1949.
- WILLIAMS, LLOYD KENNETH (1949) ..... *Mathematics*  
 B.A., University of California, 1948; M.A., University of California, 1949.
- WILSON, CLAUD L. (1925) ..... *Director, Division of Mechanic Arts Superintendent of Buildings and College Utilities*  
 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.
- WILSON, MRS. LUCELUSTINE W. (1943) ..... *Training School*  
 B.S., Prairie View College, 1926; M.S., *ibid*, 1943.
- WOOD, CURTIS ALEXANDER (1947) ..... *Health Education*  
 A.B., Knoxville College, 1938; M.A., Columbia University, 1946.
- WOODS, JOHNNIE J. (1945) ..... *Agriculture*  
 B.S., Prairie View State College, 1938; Prairie View State College, 1944; M.S., Kansas State College, 1948.
- WOOLFOLK, GEORGE RUBLE (1943) ..... *History*  
 A.B., Louisville Municipal College, 1937; M.A., Ohio State University, 1938; Ph.D., University of Wisconsin, 1947.
- WRIGHT, THERESA GWENDOLYN (1949) ..... *Music*  
 B.A., Xavier University, 1943; Juilliard School of Music 1943-44, 1945-46, 1946-47.
- YARBROUGH, DEAN SCRUGGS (1949) ..... *Sociology*  
 B.A., Miles College, 1923; M.H., Springfield College, 1925; M.A., University of Pittsburgh, 1926; Ph.D., *ibid*, 1934.

## OTHER OFFICERS AND ASSISTANTS

- PIERCE ANDERSON, *Instructor in Metal Work*
- LUCIUS BERRINGER, *Master Sergeant, U.S.A., Army Administration Course, 1941; Administrative NCO, Department of M. S. & T.*

\* On Leave

- ESTHER M. BRIGHT-DAVIES, B.A., *Secretary, Division of Agriculture*  
 WINTHROP J. BOULWARE, B.S., S.F.C., U. S. A., *Instructor, Department of Military Science*  
 MERTON E. BROWN, *Sergeant, U. S. A., Clerk Typist, Department of M. S. & T.*  
 CLARK, CLAUD, *Landscape and Upkeep of Grounds*  
 CLEON CROWDER, *Certificate, Store Room Manager, Snack Bar*  
 FIELDS, EVA MIMS, B.S., *Secretary, Agriculture Education Office*  
 ALPHINE H. FREEMAN, *Master Sergeant, U. S. A., Supply Sergeant, Department of M. S. & T.*  
 DELORES GERALD, B.S., *Secretary, Deans of Men and Women*  
 NAOMI GOODLOE, *Secretary*  
 HARMON, MARCELLUS F., B.A., *Assistant Dean of Men*  
 HOWARD J. KINCHELOW, M.Ed., *Veterans Counselor*  
 BERTHA R. CHINN, *Secretary to Veterans Counselor and Director of Athletics*  
 EZRA L. HENDERSON, *Secretary, Office of the President*  
 A. W. HOLT, *Assistant Manager and Chef Cook, Snack Bar*  
 MRS. BLANCHE E. JOHNSON, M.S., *Associate Chairman, Student Life*  
 MARY E. MOORE, *Certificate, Secretary, Division of Arts and Sciences*  
 LEON H. O'NEAL, *Sergeant, U. S. A., Clerk, Department of Military Science*  
 LEE E. PERKINS, B.A., *Manager, College Snack Bar*  
 MRS. GLADYS L. SADBERRY, B.A., *Secretary, Office of the President*  
 ETHEL M. SENEGAL, *Secretarial Certificate, Secretary, Office of Dean*  
 JOHN W. STEWART, *Master Sergeant, U. S. A., Maintenance and Motor Transportation, Department of M. S. & T.*  
 GERTHA MAE TAYLOR, *Secretary, Division of Home Economics*  
 AARON V. THOMAS, *Sergeant, U. S. A., Organizational Maintenance Department of M. S. & T.*  
 DORIS W. WEBB, B.A., *Secretary, Department of Business Administration and Economics.*

### GRADUATE FELLOWS FOR THE YEAR 1949-1950

- FRED D. BROWN, B.S., in Agric., *Prairie View A. & M. College, 1949*  
 JOE T. BROWN, B.S., *Prairie View A. & M. College, 1948*  
 ALICE D. LYONS, B.S., in Home Econ., *Prairie View A. & M. College, 1935*  
 ALLISON B. POWELL, B.S., *Prairie View A. & M. College, 1948*  
 CHARLES F. RANDLE, B.S. in Agric., *Prairie View A. & M. College, 1949*  
 EMMA L. SANDERS, B.S. in Home Econ., *Tillotson College, 1949*  
 ALMA TRAYLOR, B.S., *Prairie View A. & M. College, 1938*  
 SHERMAN S. WILSON, B.S., *Prairie View A. & M. College, 1949*  
 LEON A. WOODS, B.S., *Prairie View A. & M. College, 1948*

### COOPERATIVE EXTENSION SERVICE

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

## HEADQUARTERS STAFF

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

## ALUMNI ACTIVITIES

## OFFICERS OF THE ASSOCIATION

J. R. FARRIS, <i>President</i>
W. MARION DAVIS, <i>First Vice President</i>
L. U. MASON, <i>Second Vice President</i>
L. C. MOSLEY, <i>Executive Secretary</i>
LULU M. WHITE, <i>Corresponding Secretary</i>
A. W. McDONALD, <i>Treasurer</i>
MABLE KILPATRICK, <i>Pianist</i>
RAY HARRISON, <i>Sergeant-at-Arms</i>
WM. BATTS, <i>Chaplain</i>
L. C. McMILLAN, <i>Parliamentarian</i>

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

The Association sponsors, and has encouraged, the organization of local clubs throughout the state and in many of the large cities throughout the country. It is now in the process of revitalizing its program and

reconstructing a live file of potential members to enable a greater contact with graduates and former students. Present plans include the raising of funds to establish the office of a full time executive secretary. The office of the alumni association located in the Administration Building acts as a central clearing agency for all alumni business.

## GUIDANCE CENTER

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

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

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

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

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

# GENERAL INFORMATION

## LOCATION

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

## PURPOSE

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

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

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

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

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

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

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

## INSTRUCTIONAL ORGANIZATION

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

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

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

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

In 1936 the first buildings were built to house the N.Y.A. resident center, a new chapter in Vocational Training for youth was opened. The

project was enlarged and made a training center for Negro men in critical occupations for support of the war effort. The men filled positions as welders, mechanics, pipe fitters, machine operators, and moulders in ship yards, foundries, and machine shops all over the nation. The project terminated in July, 1943. The facilities are now being used for vocational trade courses.

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

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

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

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

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

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

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

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

#### THE W. R. BANKS LIBRARY

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

in the well appointed Popular Reading Room and the artistic tastes of students are fostered in Exposition Hall and the Art Room.

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

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

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

### EXTRA-CURRICULAR ACTIVITIES

#### *Religious Influences*

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

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

#### *Student Organizations*

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

#### *Athletics*

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

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

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

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

### AWARDS AND PRIZES

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



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

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

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

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

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

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

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

#### VOCATIONAL REHABILITATION

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

#### LOAN FUNDS

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

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

4. The Class of 1927 left a loan fund of \$53.15.
5. The Prairie View Club of Los Angeles, California, donated \$52.50 for student loans.

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

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

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

#### STATE OF TEXAS SCHOLARSHIPS

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

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

#### REGULATIONS DISCIPLINE AND GOVERNMENT

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

The college compels no student to enroll nor to remain who finds that he cannot meet its requirements cheerfully. A student who cannot meet the requirements and whose conduct is not in accord with the principles and ideals of the college will be asked to withdraw.

Any student who makes false pretense as to his or her 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.

The continuance of each student upon the rolls of the College, the receipt by him of academic credits, his graduation or the conferring of any degree or the granting of any certificate are strictly subject to the disciplinary powers of the College, which it deems advisable. The disciplinary authority of the College is vested in the President in such cases as he deems proper.

## AUTOMOBILE REGULATIONS

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

## HAZING

Hazing is prohibited by law in state educational institutions of Texas. The law provides that: "Any student of any state educational institution of Texas who commits the offense of hazing shall be fined not less than \$25.00 nor more than \$250 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. 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, 1950, 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 \$12.50 per semester hour)

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

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

*Summer Session*

Resident students, for 4 or more term hours . . . .	\$ 17.50 per term (for less than 4 term hours a reduction of \$2.00 per term hour with a minimum of \$10.00 per term)
For registration in absentia (but for no courses) \$	7.50 per term
Nonresident student, for 4 or more term hours . . . .	\$ 50.00 per term (for less than 4 term hours, a reduction of \$12.50 per term hour)
For registration in absentia (but for no courses) \$	12.50 per term

## LATE REGISTRATION

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

## DEGREES, CERTIFICATES, ETC.

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

## EXTENSION COURSES

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

## CORRESPONDENCE COURSES FEE

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

## LABORATORY FEES

*Per Course, Per Semester or Term*

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

## COMMERCIAL FEES

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

## STUDENT ACTIVITIES FEE

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

## MUSIC FEES

*Regular Session*

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

*Summer Session*

Piano or Voice per term .....	\$ 12.00
Organ per term .....	\$ 7.50
R. O. T. C. UNIFORM HANDLING FEE	
Regular Session .....	\$ 5.00

## MAINTENANCE FEE

*Regular Session*

Room rent, board and laundry per month .....	\$ 30.00
(Room rent \$7.00, board \$20.25, laundry \$2.75)	
The fees for room rent, board and laundry may be paid in installments. Delayed installment payments shall be \$1.00 extra for either or all fees.	

*Summer Session*

Room rent, board and laundry, per term of 6 weeks .....	\$ 51.80
(Room rent \$9.80, board \$37.80, laundry \$4.20)	
Graduate students only—room rent for Summer Session per term of six weeks .....	\$ 14.00
Roomers only pay \$10.00 per month for room and laundry	
Room Key Deposit, returnable .....	\$ .50

## REFUNDS

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

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

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

A refund of board and laundry payment will not be made unless there is a consecutive absence of not less than ten days due to illness of the student or a member of his family, or for some other unavoidable cause.

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

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

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

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

No refund of laboratory fees, music fees, shorthand or other special course fees will be made after beginning of class work.

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 1950-51

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

### FIRST SEMESTER

	Men	Women	Veterans <sup>1</sup>
Tuition (Non residents pay \$150) . . .	\$ 25.00	\$ 25.00	\$
Student Health and Activity Fee . . .	10.00	10.00	
*Maintenance Sept. 18-Oct 10, 1950 . .	23.00	23.00	23.00
Uniform Service Charge . . . . .	5.00		
<i>Total Fees for Entrance</i> . . . . .	<u>\$ 63.00</u>	<u>\$ 58.00</u>	<u>\$ 23.00</u>
*Maintenance—October 11-Nov. 10 . .	30.00	30.00	30.00
*Maintenance—November 11-Dec. 10 . .	30.00	30.00	30.00
*Maintenance—Dec. 11-20-Jan. 1-10 . .	20.00	20.00	20.00
*Maintenance—Jan. 11-Feb. 10, 1951 . .	30.00	30.00	30.00
<i>Total Fees for First Semester</i> . . . . .	<u>\$173.00</u>	<u>\$168.00</u>	<u>\$133.00</u>
Books and Supplies—estimated . . . .	20.00	20.00	
<i>Total expenses—First Semester</i> . . . .	<u>\$193.00</u>	<u>\$188.00</u>	<u>\$133.00</u>

\* Maintenance includes board, room and laundry.

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

## SECOND SEMESTER

Tuition (Non residents pay \$150) <sup>1</sup> . . .	\$ 25.00	\$ 25.00	\$
Student Health and Activity Fee . . .	10.00	10.00	
*Maintenance—Feb. 11-Mar. 10 . . . . .	30.00	30.00	30.00
<hr/>			
**Total Fees for Entrance . . . . .	\$ 65.00	\$ 65.00	\$ 30.00
*Maintenance—March 11-Apr. 10 . . . . .	30.00	30.00	30.00
*Maintenance—April 11-May 10 . . . . .	30.00	30.00	30.00
*Maintenance—May 11-31 . . . . .	20.00	20.00	20.00
<hr/>			
Total Fees Second Semester . . . . .	\$145.00	\$145.00	\$110.00
Books and Supplies—estimated . . . . .	20.00	20.00	
<hr/>			
Total Expenses Second Semester . . . . .	\$165.00	\$165.00	\$110.00
Total Fees Regular Session . . . . .	\$318.00	\$313.00	\$243.00
Total Expenses Regular Session . . . . .	\$358.00	\$353.00	\$243.00

Room Key deposit, returnable. (Payable to Dean of Men or Women—\$.50)

## NURSING FEES

## FIRST YEAR

*First Semester*

Tuition (non-residents pay \$150) . . . . .	\$ 25.00
Student Activity Fee . . . . .	10.00
Board, Room, Laundry for September . . . . .	13.00
<hr/>	
	\$ 48.00
*October . . . . .	30.00
*November . . . . .	30.00
*December . . . . .	20.00
*January . . . . .	30.00
<hr/>	
	\$158.00
Books and supplies—estimated . . . . .	20.00
<hr/>	
	\$178.00

*Second Semester*

Tuition (non-residents pay \$150) . . . . .	\$ 25.00
Student Activity Fee . . . . .	10.00
Board, Room, Laundry for February . . . . .	30.00
Uniforms . . . . .	57.00
<hr/>	
	\$122.00

<sup>1</sup> Maintenance, including board, room and laundry.

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

*March .....	30.00
*April .....	30.00
*May .....	30.00
	<hr/>
Total for Second Semester .....	\$212.00
Total for First Semester .....	\$178.00
	<hr/>
Total for both Semesters .....	\$390.00

*Summer Session*

Tuition for both terms (non-residents pay \$100) .....	\$ 35.00
Student Activity Fee .....	7.00
	<hr/>
	\$ 42.00

Room and board for first summer furnished by Prairie View  
Hospital

Total for First Year .....	\$432.00
----------------------------	----------

## SECOND YEAR

*First Semester*

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

*Second Semester*

Tuition (non-residents pay \$150) .....	25.00
Room and board furnished by Jefferson Davis Hospital	
	<hr/>
Total both Semesters .....	\$120.00

*Summer*

Tuition (non-residents pay \$100) .....	35.00
Room and board furnished by Jefferson Davis Hospital	
	<hr/>
Total for Second Year .....	\$155.00

## THIRD YEAR

*First Semester*

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

\* Maintenance, including board, room and laundry.



*Second Semester*

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

*Summer Session*

Tuition for both terms (non-residents pay \$100) .....	\$ 35.00
Activity Fee .....	7.00
	\$ 42.00
Total for third year .....	\$134.50
Total for Three Years .....	\$721.50

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

## NON-RESIDENT STUDENT REGISTRATION FEES

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

- A. For each student who registers for four (4) or more semester hours in a Summer Term (of six weeks), \$50.00 with a reduction of \$12.50 for each semester hour of maximum registration less than four.
- B. For each student who registers for twelve (12) or more semester hours in a semester of the Long Session, \$150.00 with a reduction of \$12.50 for each semester hour of maximum registration less than twelve.
- C. For registration in absentia in any term or semester (but for no courses) \$12.50.
- D. The residence status of a student is determined at the time of his first registration in the college and his residence is not changed by his sojourn at the College as a student except as provided by law. This policy shall apply to both graduate and undergraduate students regardless of any scholarships, student assistantships, or graduate assistantships that may be granted to any student.
- E. Pursuant to the authority granted by the Fiftieth Legislature in Chapter 21S, General and Special Laws (House Bill 507) the Board of Directors hereby adopts the following non-resident regulations:
  1. A non-resident student is hereby defined to be a student of less than twenty-one (21) years of age, living away from his family and whose family resides in another state, or whose family has not resided in Texas for the twelve (12) months immediately preceding the date of registration; or a student of twenty-one (21) years of age or over who resides out of the State or who has not been a resident of the State twelve (12) months subsequent to his twenty-first birthday or for the twelve (12) months immediately preceding the date of registration.

2. The term "residence" means "legal residence" or "domicile"; and the term "resided in" means "domiciled in."
3. The legal residence of one who is under twenty-one (21) years of age is that of the father. Upon death of the father, the legal residence of the minor is that of the mother. Upon divorce of the parents, the residence of the minor is determined by the legal residence of the person to whom custody is granted by the court. In the absence of any grant of custody, the residence of the father continues to control. Upon death of both parents, the legal residence of the minor continues to be that of the last surviving parent until he becomes twenty-one (21) years of age unless he makes his home with his grandparents, whereupon their residence is controlling.
4. A student under twenty-one (21) years of age shall not be classified as a resident student until his parents shall have maintained legal residence in this State for at least twelve (12) months. A student under twenty-one (21) years of age whose parent leaves the State and establishes legal residence in another State shall be classified as a non-resident student. It shall be the responsibility and duty of the student to submit legal evidence of any change of residence.
5. All individuals who have come from without the State of Texas and who are within the State primarily for educational purposes are classified as non residents. Registration in an educational institution in the state is evidence that residence is primarily for educational purposes even though such individuals may have become qualified voters, have become legal wards of residents of Texas, have been adopted by residents of Texas, or have otherwise attempted to establish legal residence within the State.
6. A student twenty-one (21) years of age or older who comes from without the State and desires to establish a status as resident student must be a resident of the State for a period of at least twelve (12) months other than as a student in an educational institution and must have the intention of establishing a permanent residence within the State during that entire period.
7. The residence of a wife is that of her husband; therefore, a woman resident of Texas who marries a non-resident shall be classified as a non-resident and shall pay the non-resident fee for all semesters subsequent to her marriage. A non-resident woman student who marries a resident of Texas is entitled to be classified immediately as a resident student and is entitled to pay the resident fee for all subsequent semesters.
8. All aliens shall be classified as non-resident students except that an alien who has applied for naturalization in the United States and has received his first citizenship papers shall have the same privilege of qualifying as a resident student as a citizen of the United States. The twelve (12) months' residence required to establish the status of a resident student shall not begin until after such first citizenship papers have been issued to the alien.
9. Members of the Army, Air Corps, Navy or Marine Corps of the United States who are stationed in Texas on active military duty shall be permitted to enroll their children by paying the tuition fees and charges provided for resident students without regard to the length of time such member of the Armed Service shall have been stationed on active duty within the State. This provision shall extend only during active military service in Texas; and upon such member of the Armed Service being transferred outside the State of Texas, his children shall be classified as to residence under Section One (1) of these regulations. Any student claiming the privilege of this section shall submit at each registration a statement by the commanding officer of the post or station at which his parent is on active duty verifying the fact of his parent's military status.
10. Appointment as a member of the teaching or research staffs or the holding of a fellowship, scholarship, or assistantship shall not affect a student's residence status or the tuition fee to be paid.
11. It shall be the responsibility of the student to pay the correct fee at the beginning of each semester or term for which he may register, and a penalty of five (\$5.00) dollars shall be assessed for failure to pay the proper fee.

### ACTIVITY FEE

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

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

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 schools is located, provided that the total number of required and elective units together in any one subject shall not exceed four units. Records submitted by applicants for entrance into the Division of Nursing Education must be approved by the State Board of Nurse Examiners before such applicants may be accepted into the Division as preliminary students.

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

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

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

#### *Admission by Examination*

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

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

Fall entrance examinations will be given at Prairie View A. & M. College September 12 and 13, 1950, 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.

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

### *Admission by Individual Approval*

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

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

### *Admission as Irregular Student*

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

### *Special Admission Requirements for Veterans*

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

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

## SCHOLASTIC REGULATIONS

### *Unit of Credit*

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

### *Explanation of Course Numbers*

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

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

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

### *Classification*

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

### *Class Attendance*

It is a student's duty to attend regularly and punctually each class or laboratory exercise in each course. For credit toward a degree or for a certificate of proficiency, regular attendance is required in addition to the proficiency attested by class work and examination. Absences are counted from the first meeting of the class in each session. A student may be absent without penalty in a session as follows: from a course meeting once weekly, twice; from a course meeting twice weekly, three times; from a course meeting three times weekly, five times; from a course meeting four times weekly, six times; from a course meeting five times weekly, seven times. Students whose absences exceed the number permitted will not be given credit for the course.

Each student should keep a record of his absence from class or tardiness. In case the limit is exceeded, a student desiring credit for the course may at the close of the session submit a statement to the Registrar showing the cause of each absence.

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

### *Change of Program*

After completing the initial procedures of registration for the session, a student may add or drop a course only with the approval of the 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.

#### *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); E (60-64); F (below 60); I—Incomplete; K—Delinquent Account. A grade of "I" means that some relatively small part of the session's work remains undone because of illness or other unavoidable reasons. Grades of "E," "I" and "K" are considered deficient for passing. Grades of "E," "I" or "K" may become passing upon completion of the work prescribed by the instructor. (See section on Deficiency Examinations.)

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

#### *Incomplete Class Work*

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

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

#### *Grade Points*

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

#### *Honor Roll*

The college honor roll is published at the end of each semester of regular session. To qualify for the honor roll a student must have car-

ried a semester hour load of at least 12 hours and made an average of "B" and no grade below "C" in any course.

#### FAILING TO PASS—PROBATION

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

#### *Grade Reports From the Registrar*

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

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

### EXAMINATIONS AND TESTS

#### *Semester Examinations*

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

#### *Mid-Semester Tests*

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

#### *Absence From Examinations*

A student who is compelled to be absent from a semester examination for sickness or other imperative cause should petition his dean—beforehand, if possible—for permission to postpone the examination. This per-



mission must be presented in writing to the teacher who is to give the examination and submitted by the teacher with the grade to the Registrar's Office.

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

#### *Deficiency Examinations*

An examination to remove a course condition grade of "E" may be taken on one of the days designated for this purpose or during any regular examination period within twelve months after the grade was received. If examination is satisfactory, the final grade then becomes "D." A student who fails to pass deficiency examination in the course forfeits thereby the right to ask for another examination in the course and must repeat the work.

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

### MEN CALLED TO THE ARMED SERVICES

#### *Re: Academic Credit*

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

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

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

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

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

### DEGREES, DIPLOMAS AND CERTIFICATES

#### *Applying for Graduation*

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

*Degrees and Diplomas Offered*

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

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

*Requirements for Degrees and Diplomas*

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

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

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

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

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

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

*Off-Campus Practice Teaching Requirements.* Students in all 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 any Dry Cleaning, Machine Shop Estimating, Plumbing and Steam-Fitting, Printing, Shoemaking, Stationary Engineering, Tailoring, Shorthand, Typing, Dressmaking, Cooking, Baking, Painting, and Interior Decorating. For specific requirements of each trade see the school in which the trade is scheduled.

*Requirements for Teaching Certificate*

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

REQUIREMENTS FOR THE VARIOUS CERTIFICATES  
STATE OF TEXAS

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

*Administrative Certificate*

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

# SCHOOL OF AGRICULTURE

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

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

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

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

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

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

## BASIC WORK IN THE FRESHMAN AND SOPHOMORE YEARS

### FRESHMAN YEAR

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

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
*Mathematics 173 .....	3	*Mathematics 183 .....	3
Applied Mathematics		Applied Mathematics	
Agricultural Engineering 214 (123) ..	4 (3)	Poultry 223 (213) .....	3
Farm Machinery		Poultry Production	
Agricultural Economics 213 .....	3	Veterinary Science 223 .....	3
Fundamentals of Economics		Anatomy and Physiology	
Chemistry 315 .....	4	Horticulture 233 (113) .....	3
Organic		Vegetable Gardening	
English 218 .....	3	Dairying 223 .....	3
Public Speaking		Dairy Production	
Military Science 211 .....	1	Horticulture 222 .....	2
Elementary		Landscape Art	
		Military Science 221 .....	1
		Elementary	
	18 (17)		18

## AGRICULTURAL EDUCATION MAJOR

## JUNIOR YEAR

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

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Agricultural Education 423 .....	3	Agronomy 423 .....	3
Practice Teaching		Soil Conservation and Land	
Education 383 .....	3	Use Planning	
Educational Psychology		Agricultural Engineering 313 .....	3
Agricultural Education 403 .....	3	Farm Drainage	
Supervised Practice Records		Agricultural Economics 423 .....	3
Horticulture 343 .....	3	Farm Management	
Food Preservation		Horticulture 423 .....	3
Animal Husbandry 423 .....	3	Landscape Gardening	
Incubation and Brooding		Animal Husbandry 422 .....	2
Animal Husbandry 343 .....	3	Problems	
Farm Meats		Agricultural Education 433 .....	3
Military Science 413 .....	3	Special Problems	
Advanced		Military Science 423 .....	3
	18 or 21	Advanced	
			17 or 20

\* Agricultural Engineering majors take Math. 113 and 123

## AGRICULTURAL ENGINEERING MAJOR

## JUNIOR YEAR

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

## SENIOR YEAR

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

## AGRONOMY MAJOR

## JUNIOR YEAR

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

## SENIOR YEAR

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

## AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

## JUNIOR YEAR

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

## JUNIOR YEAR

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

## 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/>		<hr/>
	17 or 20		17 or 20

## SENIOR YEAR

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

## DAIRY MANUFACTURING

## JUNIOR YEAR

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

## HORTICULTURE

## JUNIOR YEAR

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

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 254 .....	4	Horticulture 433 .....	3
Principles of Genetics .....		Green House Operation .....	
Horticulture 443 .....	3	Plant Science 443 .....	3
Floriculture .....		Plant Breeding .....	
Plant Science 463 .....	3	Horticulture 463 .....	3
Plant Nutrition .....		Advanced Landscape Gardening .....	
Elective .....	7	Elective .....	3
Military Science 413 .....	3	Military Science 423 .....	3
Advanced .....		Advanced .....	
	<hr/>		<hr/>
	17 or 20		17 or 20

## POULTRY MAJOR

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

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

## DESCRIPTION OF COURSES

## AGRICULTURAL EDUCATION

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

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

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

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

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

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

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

## AGRONOMY

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

\* For second semester in Agricultural Education

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

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

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

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

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

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

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

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

## ANIMAL HUSBANDRY

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

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

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

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

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

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

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

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

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

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

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

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

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

### AGRICULTURAL ECONOMICS

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

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

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

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

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

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

403. INTERNATIONAL AGRICULTURAL ECONOMICS. (3-0) *Credit 3. I.* Principal agricultural 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.

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

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

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

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

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

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

#### BIOLOGY

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

#### DAIRYING

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

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

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

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

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

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

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

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

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

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

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

### ENTOMOLOGY

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

### HORTICULTURE

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

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

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

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

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

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

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

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

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

### POULTRY

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

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

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

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

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

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

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

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

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

### VETERINARY SCIENCE

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

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

### PLANT SCIENCE

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

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

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

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

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



# SCHOOL OF ARTS AND SCIENCES

## COLLEGE OF LIBERAL ARTS

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

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

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

Every student in the School of Arts and Science is required to spend six supervised clock hours per week throughout one year of residence in the long session, or the equivalent thereof in 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 hour education requirement for teacher certification.

All freshmen and sophomore students of the School of Arts and Sciences, unless specifically excused by the Registrar before registration or the Dean of the School of Arts and Sciences after registration, are required to follow the prescribed courses as set forth in the catalogue. The various departments will hold to the work and sequence as outlined herein.

### REQUIREMENTS FOR GRADUATION

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

Courses	Semester Hours
ENGLISH .....	12
FOREIGN LANGUAGE .....	12
SOCIAL SCIENCE .....	6
NATURAL SCIENCE .....	6
MATHEMATICS .....	6
PHYSICAL EDUCATION (Excluding Practice Courses) .....	6
AMERICAN GOVERNMENT .....	6
NEGRO HISTORY .....	3

*RURAL STUDIES .....	8
INDUSTRY .....	4
MILITARY SCIENCE .....	4
PHYSICAL EDUCATION PRACTICE (Women) .....	4
EDUCATION .....	18-24 hrs.

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.

### MAJOR AND MINOR REQUIREMENTS

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

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

### DEGREES

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

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

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

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

NOTE.—Persons selecting Secondary Education as a major field of concentration will be required to complete a second major in some field other than Education. The type of degree to be awarded any person presenting two majors will be determined from his second major.

\* Rural Education or Sociology 233.

## GENERAL CURRICULUM IN THE SCHOOL OF ARTS AND SCIENCES

### FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Education 103—General Orientation .....	3	Education 113—Introduction to Education .....	3
English 113—Grammar and Composition .....	3	English 123—Reading and Composition.....	3
Mathematics 173 (or 113) .....	3	Mathematics 183 or 123 .....	3
Elements of Applied Mathematics or College Algebra		Elements of Applied Math. or College Algebra	
Social Science 113 (or History 113) .....	3	Natural Science 123 or (Chem. 124 or Biol. 134) .....	3 or 4
Introduction to the Social Sciences—or Europe 1500-1815		College Science or (General Inorganic or General Zoology)	
Natural Science 113 or (Chem. 114 or Biol. 114) .....	3 or 4	Social Science 123 or (History 123) .....	3
College Science or (General Inorganic Chemistry with Introductory Qualitative Analysis or General Zoology)		Introduction to the Social Sciences or (Europe 1815-1914)	
Military Science 111 (Men)—Elementary..	1	Military Science 121 (Men)—Elementary ..	1
Physical Education 111 (Women) .....	1	Physical Education 121 (Women) .....	1
Freshman Practice		Freshman Practice	
Industry .....	2	Industry .....	2
		<hr style="width: 100px; margin-left: auto; margin-right: 0;"/>	
	18 or 19		18 or 19

### SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113 .....	3	Foreign Language 123 .....	3
(French or Spanish) Elementary French or Elementary Spanish		(French or Spanish) Elementary French or Elementary Spanish	
Rural Studies (Ed. 223 or Soc. 233) .....	3	Education 233 or Ed. 243) .....	3
(Problems of Rural Teacher or Rural Sociology)		Elementary School Methods and Materials (Rural School Methods)	
Political Science 263 .....	3	Political Science 203 .....	3
American National Government		American State Government	
Electives (or Major Field) .....	6	Electives (or Major Field) .....	6
Military Science 211 (Men) .....	1	Military Science 221 (Men) .....	1
Elementary		Elementary	
Physical Education 211 (Women) .....	1	Physical Education 221 (Women) .....	1
Sophomore Practice		Sophomore Practice	
	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/>		<hr style="width: 100px; margin-left: auto; margin-right: 0;"/>
	16		16

### JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213 .....	3	Foreign Language 223 .....	3
(French or Spanish) Reading and Grammar		Reading and Grammar	
English 213—Public Speaking .....	3	English 223 .....	3
Physical Education (Theory) .....	3	World Literature	
Electives (or Major) .....	3	Physical Education (Theory) .....	3
Military Science 313 .....	3	Electives (or Major) .....	3
Advanced		Military Science 323 .....	3
	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/>	Advanced	
	15		<hr style="width: 100px; margin-left: auto; margin-right: 0;"/>
			15

### SENIOR YEAR

History 463 .....	3		
Negro History			
Education 353, 443, and 306 or 406 (Including Practice-Teaching) .....	12		
Adolescent Psychology, Tests and Measurements, Practice Teaching in Elementary Schools, or Observation and Practice teaching in the High School			
Electives (or Majors and Minor Work) ..	9		
Military Science 413 and 423 .....	6		
Advanced			
	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/>		
	30		

## THE DEPARTMENT OF ECONOMICS AND BUSINESS ADMINISTRATION

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

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

*Departmental Ruling on Academic Status:* In the interest of maintaining well-balanced academic standards, it has been ruled that all majors and minors in the Department 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 majors in Business Administration is required to show a proficiency in the skills by acquiring a minimum speed of 80 words per minute in shorthand and a minimum of 40 words per minute in typing. In addition to the above requirement, all candidates for a degree or certificate will be expected to spend a period of internship in some business or office, or when teaching certificate is desired, the usual off-campus apprentice in education must be met.

### SUGGESTED PROGRAM—MAJOR IN BUSINESS ADMINISTRATION

#### FRESHMAN YEAR

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	Education 113—Introduction to Ed. ....	3
Grammar Composition .....		Mathematics 183 .....	3
Mathematics 113 .....	3	Elements of Applied Mathematics .....	
College Algebra .....		English 123 .....	3
Education 103—Orientation .....	3	Reading and Composition .....	
Bus. Adm. 133—Typing .....	3	Business Administration 153 .....	3
Military Science 111—Elementary .....	1	Elementary Shorthand .....	
Physical Education 111 .....	1	Military Science 121—Elementary .....	1
Freshman Practice .....		Physical Ed. 121—Freshman Practice .....	1
Industry .....	2	Industry .....	2
	18		18

#### SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113 .....	3	Foreign Language 123 .....	3
Elementary French or Elementary Spanish .....		Elementary French or Elementary Spanish .....	
English 213—Public Speaking .....	3	English 223—World Literature .....	3
Economics 213—Principles of Economics ..	3	Economics 223—Principles of Economics ..	3
Natural Science 113—College Science .....	3	Natural Science 123—College Science .....	3
Bus. Adm. 253 .....	3	Bus. Adm. 263 .....	3
Elementary Principles and Practices of Accounting .....		Elementary Principles and Practices of Accounting .....	
Military Science 211—Elementary .....	1	Military Science 221—Elementary .....	1
Physical Ed. 211 (Practice) .....	1	Physical Education 221 (Practice) .....	1
	16		16

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213 .....	3	Foreign Language 223 .....	3
Reading and Grammar Review (French or Advanced Grammar and Reading) (Spanish)		Reading and Grammar Review (French) or Advanced Grammar and Reading (Spanish)	
Bus. Adm. 273 .....	3	Bus. Adm. 313 .....	3
Filing and Record Keeping		Business Ethics and Personality	
Bus. Adm. 343 .....	3	Bus. Adm. 283 .....	3
Personnel Management		Secretarial Practices	
Education 353 .....	3	Poli. Sci. 203 or Education 223 .....	3
Adolescent Psychology		American State Government or Problems of the Rural Teacher	
Pol. Sci. 263 or Phys. Ed. Theory .....	3	Physical Education (Theory) .....	3
National Government or Introduc- tion to Phys. Ed.		Physical Education and Community Recrea- tion	
Military Science 313 .....	3	Military Science 323 .....	3
Advanced		Advanced	
	15 or 18		15 or 18

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Bus. Adm. 363—Salesmanship .....	3	Bus. Adm. 463—Business Law .....	3
History 463 .....	3	Economics 493 .....	3
History of the Negro in America		Post-War Economic Policies	
Bus. Adm. 473 .....	3	Elective .....	3
Occupational Guidance		Practice Teaching .....	6
Practice Teaching .....	6	Military Science 423 .....	3
Military Science 413 .....	3	Advanced	
Advanced			
	15 or 18		15 or 18

## BUSINESS ADMINISTRATION

## TWO YEAR COURSE—SECRETARIAL ACTIVITIES

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
English 113—Grammar Composition .....	3	English 123—Reading and Composition .....	3
Education 103—Orientation .....	3	Mathematics 173 .....	3
Mathematics 113—College Algebra .....	3	Elements of Applied Mathematics	
Social Science 113 .....	3	Education 113 .....	3
Introduction to Social Science		Introduction to Education	
Bus. Adm. 133 .....	3	Social Science 123 .....	3
Elementary Typing		Introduction to Social Science	
Military Science 111 .....	1	Bus. Adm. 153 .....	3
Elementary		Elementary Shorthand	
Physical Education 111 .....	1	Physical Ed. 121—Freshman Practice .....	1
Freshman Practice		Military Science 121—Elementary .....	1
Industry .....	2	Industry .....	2
	18		18

## SECOND YEAR

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

## SUGGESTED PROGRAM FOR ECONOMICS MAJORS

## FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Social Science 113	3	Soc. Sci. 123—Introduction to Soc. Sci.	3
Introduction to Social Science		English 123—Reading and Comp.	3
English 113—Grammar Composition	3	Mathematics 183	3
Mathematics 113—College Algebra	3	Elements of Applied Mathematics	
Education 103—Orientation	3	Natural Science 113—College Science	3
Economics 173—Econ. Geography	1	Economics 183—Econ. Geography	3
Military Science 111—Elementary	3	Military Science 121—Elementary	1
Phys. Ed. 111—Freshman Practice	1	Phys. Ed. 121—Freshman Practice	1
Industry	2	Industry	2
	<hr/> 18		<hr/> 18

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
English 213	3	English 223	3
Public Speaking		World Literature	
Economics 213	3	Economics 223	3
Principles of Economics		Principles of Economics	
Foreign Language 113	3	Foreign Language 123	3
Elementary French or Elementary Spanish		Elementary French or Elementary Spanish	
Political Science 2X3	3	Natural Science 123	3
Political Science		College Science	
Bus. Adm. 253	3	Education 223	3
Accounting		Problems of the Rural Teacher	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
Physical Education 211	1	Physical Education 221	1
Sophomore Practice		Sophomore Practice	
	<hr/> 16		<hr/> 16

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213	3	Foreign Language 223	3
Reading and Grammar Review (French) or Advanced Grammar and Reading (Spanish)		Reading and Grammar Review (French) or Advanced Grammar and Reading (Spanish)	
Bus. Adm. 243	3	Political Science 203	3
Introduction to Business		American State Government	
Economics 323	3	Bus. Adm. 313	3
Economics of Consumption		Business Ethics and Personality	
Bus. Adm. 473	3	Economics 333	3
Occupational Guidance		Economic History	
Physical Education (Theory)	3	Physical Education (Theory)	3
Military Science 313	3	Introduction to Physical Ed.	
Advanced		Military Science 323	3
	<hr/> 15 or 18	Advanced	
			<hr/> 15 or 18

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Economics 453	3	Economics 493	3
Labor Problems		Elective	3
History 463	3	Post-War Economic Policies	
History of the Negro in America		*Practice Teaching	6
Bus. Adm. 363	3	Bus. Adm. 463	3
Salesmanship		Business Law	
Bus. Adm. 473	3	Military Science 423	3
Occupational Guidance		Advanced	
Elective	3		
Military Science 413	3		
Advanced			
	<hr/> 15 or 18		<hr/> 15 or 18

\* Practice Teaching may be either semester.

## DESCRIPTION OF COURSES

## BUSINESS ADMINISTRATION

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

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

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

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

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

163. ADVANCED SHORTHAND. (3-0) *Credit 3*. II. Prerequisite: B.A.

153. Emphasis on dictation and transcription.

253-263. ACCOUNTING. (2-1) *Credit 3*. I and II. Basic accounting principles and practices.

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

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

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

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

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

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

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

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

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

## ECONOMICS

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

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

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

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

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

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

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

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

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

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

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

## DEPARTMENT OF EDUCATION

### MAJOR REQUIREMENTS

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

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

Students wishing to prepare themselves for teaching in the secondary school should select the secondary field for emphasis. A "B" average or above must be maintained in major courses.

Persons selecting Secondary Education as a major field of concentration will be required to complete a second major in some field other than Education. The type of degree to be awarded any person presenting two majors will be determined from his second major.

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



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

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

### SUGGESTED PROGRAM FOR A MAJOR IN ELEMENTARY EDUCATION

#### FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
English 113	3	English 123	3
Grammar and Composition		Reading and Composition	
Education 103	3	Education 113	3
Orientation		Introduction to Education	
Social Science 113 or (Hist. 113)	3	Mathematics 183 or 123	3
Introduction to the Social Sciences or (Europe 1500-1815)		Elements of Applied Mathematics or Trigonometry	
Mathematics 173 or 113	3	Social Science 123	3
Applied Mathematics or College Algebra		Man and Society	
Natural Science 113	3	Natural Science 123	3
College Science		College Science	
Phys. Ed. (Women) 111 Freshmen or	1	Phys. Ed. (Women) 121 Freshman	
Military Sci. (Men) 111 Elementary	1	Practice or	1
Industry	2	Military Science (Men) 121	1
		Elementary	
		Industry	2
	18		18

#### SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 113 (French or Spanish)	3	Foreign Language 123 (French or Spanish)	3
Elementary French or Elementary Spanish		Elementary French or Elementary Spanish	
Rural Studies (Ed. 223 or Soc. 233)	3	Education 233	3
Problems of the Rural Teacher or Rural Sociology		Elementary School Methods and Materials	
Political Science 263	3	Political Science 203	3
American National Government		American State Government	
Music 173	3	Music 183	3
Elementary School Methods		Elementary School Methods	
Art. Ed. 253	3	Art. Ed. 263	3
Elementary School Art		Elementary School Art	
Military Science 211 (Men)	1	Military Science 221 Elementary	1
Elementary		Phys. Ed. 221 (Women)	1
Phys. Ed. 211 (Women)	1	Sophomore Practice	
Sophomore Practice			
	16		16

#### JUNIOR YEAR

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

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

## DESCRIPTION OF COURSES

## PSYCHOLOGY

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

## EDUCATION

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## DEPARTMENT OF ENGLISH

### MAJOR REQUIREMENTS

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

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

### MINOR REQUIREMENTS

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

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

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

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

## FRESHMAN YEAR

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

## SOPHOMORE YEAR

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

## JUNIOR YEAR

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

## SENIOR YEAR

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

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

## DESCRIPTION OF COURSES

## ENGLISH

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

143. TRADE ENGLISH. (3-0) *Credit 3*. II. Continuation of 103; more composition.

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

123. READING AND COMPOSITION. (3-0) *Credit 3*. II. Continuation of

113. Written work based on provocative readings and periodical literature.

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

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

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

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

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

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

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

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

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

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

## DEPARTMENT OF MODERN FOREIGN LANGUAGE

No major is offered.

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

## DESCRIPTION OF COURSES

## FRENCH

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

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

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

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

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

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

## SPANISH

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

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

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

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

DEPARTMENT OF HISTORY, POLITICAL SCIENCE  
AND PHILOSOPHY

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

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

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

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

### SUGGESTED PROGRAM FOR HISTORY MAJORS

#### FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Education 102—Orientation .....	3	English 123—Reading and Composition....	3
English 113—Grammar Composition .....	3	Mathematics 183 or 123 .....	3
Mathematics 173 or 113 .....	3	Elements of Applied Math. or Trigonometry	
Elements of Applied Mathematics or College Algebra		Education 113—Intro. to Ed. and to Tch.	3
History 113—Europe 1500-1815 .....	3	History 123—Europe 1815-1914 .....	3
Natural Science 113—College Science....	3	Natural Science 123—College Science....	3
Physical Education (Women) 111 .....	1	Physical Education (Women) 121 .....	1
Freshmen Practice		Freshmen Practice	
Military Science (Men) 111—Elementary..	1	Military Science (Men) 121—Elem. ....	1
Industry .....	2	Industry .....	2
	<hr/>		<hr/>
	18		18

#### SOPHOMORE YEAR

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

#### JUNIOR YEAR

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

\* Odd year  
\*\* Even year

## SENIOR YEAR

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

## PROGRAM FOR HISTORY AND POLITICAL SCIENCE MAJORS

## FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Education 103 .....	3	Education 113 .....	3
Orientation		Introduction to Ed. and Teaching	
English 113 .....	3	English 123 .....	3
Grammar and Composition		Reading and Composition	
Mathematics 173 or 113 .....	3	Mathematics 183 or 123 .....	3
Elements of Applied Math. or College Algebra		Elements of Applied Math. or Trigonometry	
History 113 .....	3	History 123 .....	3
Europe 1500-1815		Europe 1815-1914	
Natural Science 113 .....	3	Natural Science 123 .....	3
College Science		College Science	
Military Science 111 (Men) .....	1	Military Science 121 (Men) .....	1
Elementary		Elementary	
Physical Ed. Practice 111 (Women) .....	1	or Physical Ed. 121 (Women) .....	1
Freshmen Practice		Freshmen Practice	
Industry .....	2	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	
Ed. 223 or Soc. 233 .....	3	Education 233 .....	3
Problems of Rural Teacher or Rural Sociology		Elementary School Methods	
Political Science 263 .....	3	Political Science 203 .....	3
National Government		State Government	
History 213 .....	3	Political Science 213 .....	3
The United States		Political Parties	
Elective .....	3	History 223 .....	3
Military Science 211 (Men) .....	1	The United States	
Elementary		Military Science 221 (Men) .....	1
Physical Education (Women) 211 .....	1	Elementary	
Practice		Physical Education (Women) .....	1
	16	Practice	
			16

\* Odd year



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

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

## DESCRIPTION OF COURSES

### *European History*

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

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

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

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 1.* 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* 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 reports. Offered in odd years.)

*American History (Regional and Special)*

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

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

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

*Special and Miscellaneous*

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

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

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

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

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

*History of the Negro*

463. HISTORY OF THE NEGRO IN AMERICA. (3-0) *Credit* 3. I or II.

African background, Slavery, Freedom and Freeman; minority techniques in the contributions to American Life. Prerequisites: Upper college status.

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

### POLITICAL SCIENCE

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

### POLITICAL SCIENCE MAJOR

#### FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Education 103 (Orientation)	3	English 123	3
English 113	3	Reading and Composition	
Grammar and Composition		Education 113	3
History 113	3	Introduction to Education and to Teaching	
Europe 1500-1815		History 123	3
Natural Science 113	3	Europe 1815-1914	
College Science		Mathematics 183 or 123	3
Mathematics 173 or 113	3	Elements of Applied Math. or Trigonometry	
Elements of Applied Math. or College Algebra		Natural Science 123	3
Military Science 111 (Men) Elementary	1	College Science	
Physical Ed. Practice 111 (Women) Freshman Practice	1	Military Science 121 (Men) Elementary	1
Industry	2	Physical Ed. Practice 121 (Women) 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	
Rural Studies 223	3	Education 233	3
Problems of the Rural Teacher		Elementary School Methods and Materials	
Political Science 263	3	Political Science 203	3
American National Government		American State Government	
Political Science 213	3	History 223 (Elective) The United States	3
Political Parties and Electoral Practices		Political Science 243	3
History 213 (Elective) The United States	3	Municipal Administration	
Military Science 211 (Men) Elementary or	1	Military Science 221 (Men) Elementary or	1
Physical Ed. Practice 211 (Women)	1	Physical Ed. Practice 221 (Women)	1
	16		16

## JUNIOR YEAR

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

## SENIOR YEAR

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

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

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

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

### *IV. Methodology and Theory*

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

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

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

### *V. Public Administration*

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

422 and 522. SEMINAR IN PUBLIC ADMINISTRATION. (2-0) *Credit 2*. II. An analysis of the American administrative system and the common problems underlying all branches of administration, lectures, individual and group reports, on aspects of Texas Administration. Prerequisites:

Nine hours of Political Science or permission of the instructor. (2 hours credit, offered in conjunction with the graduate school each semester.)

#### VI. International Law and Relations

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

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

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

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

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

#### PHILOSOPHY

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

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

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

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

#### LIBRARY SERVICE EDUCATION

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

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

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) .....		Trigonometry .....	
Mathematics 173 or 113 .....	3	Social Science 123—Man and Society .....	3
Natural Science 113 .....	3	Natural Science 123 .....	3
Phys. Ed. (Women) 111 .....	1	College Science .....	
Freshmen Practice or		Phys. Ed. (Women) 121 .....	1
Military Sci. (Men) 111—Elementary .....	1	Freshman Practice or	
Industry .....	2	Military Science (Men) 121 .....	1
		Elementary .....	
	18	Industry .....	2
			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 .....		Spanish .....	
Rural Studies (Ed. 223 or Soc. 233) .....	3	Education 233 .....	3
Problems of the Rural Teacher or		Elementary School Methods and	
Rural Sociology) .....		Materials .....	
Political Science 263 .....	3	Political Science 203 .....	3
American National Government		American State Government	
Library Service Education 213 .....	3	Library Service Education 223 .....	3
The Library in the School		The Library in the School	
Physic 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 .....		Physical Ed. 221 (Women) .....	1
	16	Sophomore Practice .....	
			16

#### JUNIOR YEAR

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

## SENIOR YEAR

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

## DESCRIPTION OF COURSES

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

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

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

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

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

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

## DEPARTMENT OF MATHEMATICS

## MAJOR REQUIREMENTS

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

## MINOR REQUIREMENTS

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

## SUGGESTED PROGRAM FOR A MAJOR IN MATHEMATICS

## FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Education 103 .....	3	English 123 .....	3
Orientation .....		Reading and Composition .....	
English 113 .....	3	Education 113 .....	3
Grammar and Composition .....		Introduction to Education .....	
Social Science 113 .....	3	Social Science 123 .....	3
Introduction to the Social Sciences .....		Introduction to the Social Sciences .....	
Natural Science 113 .....	3	Natural Science 123 .....	3
College Science .....		College Science .....	
Mathematics 113 .....	3	Mathematics 123 .....	3
College Algebra .....		Trigonometry .....	
Physical Education (Women) 111 or .....	1	Physical Education 121 (Women) or .....	1
Military Science 111 (Men) .....	1	Military Science (Men) 121 .....	1
Elementary .....		Elementary .....	
Industry .....	18	Industry .....	2
Industry .....	2		
			15 or 16



## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Mathematics 213 .....	3	Mathematics 223 .....	3
Analytical Geometry .....		Differential Calculus .....	
Political Science 263 .....	3	Political Science 203 .....	3
American National Government .....		American State Government .....	
Foreign Language 113 .....	3	Foreign Language 123 .....	3
Elementary French or .....		Elementary French or .....	
Elementary Spanish .....		Elementary Spanish .....	
Rural Education 223 .....	3	Education 233 .....	3
Problems of the Rural Teacher .....		Elementary School Methods .....	
Physical Education (Theory) .....	3	and Materials .....	
Introduction to Physical Ed. .....		Minor .....	3
Physical Ed. Prac. 211 (Women) or .....	1	Physical Education Prac. 221 (Women) .....	
Military Science (Men) 211 .....	1	or Military Science (Men) 221 .....	1
Elementary .....		Elementary .....	
	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 .....	
Physics (Elective) .....	3	Physics (Elective) .....	3
Military Science 313 .....	3	Military Science 323 .....	3
Advanced .....		Advanced .....	
	15 or 18		15 or 18

## SENIOR YEAR

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

## DESCRIPTION OF COURSES

## MATHEMATICS

1013. INTERMEDIATE ALGEBRA. (3-0) *Credit 3*. I. Review of elementary algebra.

113. COLLEGE ALGEBRA. (3-0) *Credit 3*. I. Selected topics from standard algebra.

123. TRIGONOMETRY. (3-0) *Credit 3*. I. Standard selections from plane trigonometry.

173-183. ELEMENTS OF APPLIED MATHEMATICS. (3-0) *Credit 3*. I. and II. Review of fundamental operations with applications to business practices.

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

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

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

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

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

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

413. THEORY OF EQUATIONS. (3-0) *Credit 3*. I. Fundamental discussions of elementary equations.

423. DIFFERENTIAL EQUATIONS. (3-0) *Credit 3*. I and II. Ordinary differential equations and their application.

443. METHODS OF TEACHING MATHEMATICS IN ELEMENTARY AND HIGH SCHOOL. (3-0) *Credit 3*. II. See Department of Education for description.

## DEPARTMENT OF MUSIC

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

### The Program—

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

## MAJOR REQUIREMENTS

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

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

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

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

### MINOR REQUIREMENTS

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

### OTHER REQUIREMENTS

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

### MUSIC ORGANIZATIONS

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

### HONORARY SOCIETY

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

### COURSE SUMMARY OF MUSIC MAJOR REQUIREMENTS

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

## COURSE SUMMARY OF MUSIC MINOR REQUIREMENTS

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

## YEARLY DISTRIBUTION OF MINOR REQUIREMENTS

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

## SUGGESTED PROGRAM FOR A MAJOR IN MUSIC

## FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
English 113—Grammar and Composition .....	3	English 123—Reading and Composition .....	3
Ed. 103—General Orientation .....	3	Education 113—Introduction to Ed. ....	3
Mathematics 173 .....	3	Mathematics 183—Bus. Applied Math. ....	3
Business Applied Mathematics .....		Piano 122—Elementary Piano .....	2
Piano 112—Elementary Piano .....	2	Music 162 .....	2
Music 152—Aural Theory—Elem. Solf. ....	2	Audral Theory—Elem. Solf. ....	
Music 152 .....	2	Music 162—Elementary Harmony .....	2
Written Theory—Elem. Har. ....		Military Science (Men) 121 .....	1
Military Science (Men) 111—Elementary ....	1	Elementary .....	
Phys. Ed. (Women) 111 .....	1	Phys. Ed. (Women) 121 .....	1
Music 012—Choral Practice .....	2	Music 022—Choral Practice .....	2
Music 411 .....	1	Music 421 .....	1
Perspectives in Music .....		Perspectives in Music .....	
	19		19

## SOPHOMORE YEAR

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

## JUNIOR YEAR

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

## SENIOR YEAR

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

## DESCRIPTION OF COURSES

## PREPARATORY

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

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

## MUSIC LITERATURE, HISTORY AND APPRECIATION

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

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

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

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

#### MUSIC THEORY

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

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

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

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

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

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

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

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

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

#### APPLIED MUSIC

##### *Elementary Courses*

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

CORNET 112-122. (OR OTHER BRASS INSTRUMENT). (2-6) *Credit 2.* I and II. Fundamentals of attack; breath control; formation of em-

bouchure; scales. Methods of Arban and Goldman for cornet; Anton Horner and Oscar Franz for French horn; Cimera-Hovey for trombone, and Rubank for saxophone.

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

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

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

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

#### *Intermediate Courses*

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

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

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

ORGAN 212-222. (2-6) *Credit 2*. I and II. A continuation of technical exercises; the extension of repertory through Preludes and Fugues by Bach; works of 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 school.

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

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



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

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

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

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

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

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

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

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

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

#### MUSIC ENSEMBLES

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

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

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

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

#### DEPARTMENT OF NATURAL SCIENCE

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

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

The department offers courses designed to prepare students for industry, teaching profession, pre-medicine, and other pre-professions that require a scientific background. Credits earned here are accepted by all A class medical schools. The medical aptitude test is administered yearly under the supervision of the Natural Science Department.

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

## BIOLOGY

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

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

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

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

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

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

### A POSSIBLE TWO-YEAR PREMEDICAL COURSE

		FIRST 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 Composition		Reading and Composition	
Mathematics 113 .....	3	Mathematics 123 .....	3
College Algebra		Trigonometry	
Biology 114 .....	4	Biology 124 .....	4
General Zoology		General Zoology	
Military Science 111 .....	1	Military Science 121 .....	1
Elementary or		Elementary	
Phys. Ed. 111 .....	1	Phys. Ed. 121 .....	1
Freshman Practice		Freshman Practice	
Industry .....	2	Industry .....	2
	17		17

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
Chem. 315 .....	5	Elective or Chem. 214 Quantitative Analysis .....	3 or 4
General Organic		Physics 214 .....	4
Physics 214 .....	4	General Physics	
General Physics		Elective or Bio. 324 .....	3 or 4
Elective or Bio. 314 .....	3 or 4	Human Physiology	
Human Physiology		French or Spanish 123 .....	3
French or Spanish 113 .....	3	Elementary	
Elementary		Military Science 211 .....	1
Military Science 211 .....	1	Elementary	
Elementary		Physical Education 221 .....	1
Physical Education 211 .....	1	Physical Education 221	
Sophomore Practice		Sophomore Practice	
	<hr/>		<hr/>
	16 or 17		16 or 17

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

Above two-year of Biology should include Comparative Anatomy.

## SUGGESTED OUTLINE FOR A MAJOR IN BIOLOGY

## FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 114 .....	4	Biology 124 .....	4
General Zoology		General Zoology	
English 113 .....	3	English 123 .....	3
Grammar Composition		Reading and Composition	
Mathematics 113 .....	3	Mathematics 123 .....	3
College Algebra		Trigonometry	
Chemistry 114 (if Minor) .....	5	Chemistry 124 (if Minor) .....	5
General Inorganic Chemistry with		General Inorganic Chemistry with	
Introductory Qualitative Analysis or		Introductory Qualitative Analysis or	
History 113 .....	3	History 123 .....	3
European or		European or	
Social Science 113 .....	3	Social Science 123 .....	3
Introduction to Social Science		Introduction to Social Science	
Education 103 .....	3	Education 113 .....	3
General Orientation		Introduction to Education and	
Phys. Ed. Practice 111 (Women) .....	1	to Teaching	
Freshman Practice, or		Phys. Ed. Practice 121 (Women) .....	1
Military Science (Men) 111 .....	1	Freshman Practice, or	
Elementary		Military Science (Men) 121 .....	1
Industry .....	2	Elementary	
	<hr/>	Industry .....	2
	19 or 20		<hr/>
			19 or 20

## SOPHOMORE YEAR

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

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 414 .....	4	Biology 424 .....	4
Vertebrate Embryology .....		Comparative Anatomy .....	
Chemistry 315 .....	5	Chemistry 325 .....	5
General Organic Chemistry .....		General Organic Chemistry .....	
English 213 .....	3	English 223 .....	3
Public Speaking .....		World Literature .....	
French 213 .....	3	French 223 .....	3
Reading and Grammar Review .....		Reading and Grammar Review .....	
Political Science 263 .....	3	Political Science 203 .....	3
National Government .....		State Government .....	
Military Science (Men) 313 .....	3	Military Science (Men) 323 .....	3
Advanced .....		Advanced .....	
18 or 21		18 or 21	

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Elective in Major Field .....	4	Elective in Major Field .....	4
Education (including Practice .....		Electives .....	7
teaching) .....	12	History 463 .....	3
Military Science 413 .....	3	Negro History .....	
Advanced .....		Military Science 423 .....	3
16 or 19		14 or 17	

## DESCRIPTION OF COURSES

## BIOLOGY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

#### MICROBIOLOGY

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

#### SCIENCE

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

#### DEPARTMENT OF CHEMISTRY

##### SUGGESTED OUTLINE FOR A MAJOR IN CHEMISTRY

##### FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Chemistry 164	4	Chemistry 164	4
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	
Education 103	3	Introduction to Education	3
Orientation		Education 113	
Social Science 113	3	Social Science 123	3
Introduction to Social Science		Introduction to Social Science	
Phys. Ed. Practice 111 (Women)	1	Phys. Ed. Practice (Women) 121	1
Freshman Practice, or		Freshman Practice, or	
Military Science (Men) 111	1	Military Science (Men) 121	1
Elementary		Elementary	
Industry	2	Industry	2

## 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	
Phys. Ed. Practice 211 (Women) .....	1	Phys. Ed. 221 (Women) .....	1
Sophomore Practice, or		Sophomore Practice, or	
Military Science 211 (Men) .....	1	Military Science 221 (Men) .....	1
Elementary		Elementary	
	<hr/>		<hr/>
	18		18

## JUNIOR YEAR

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

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Chemistry 414 .....	4	Chemistry 451 .....	1
Physical Chemistry		Research	
Chemistry 434 .....	4	Minor .....	3
Biochemistry		Chemistry 424 .....	4
Minor .....	3	Physical Chemistry	
Education .....	3	Practice-teaching .....	6
Negro History 413 .....	3	Economics .....	3
History of the Negro in America		Military Science 423 .....	3
Military Science 413 .....	3	Advanced	
Advanced			
	<hr/>		<hr/>
	17 or 20		17 or 20

## 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 154, 164, 204, 214 and 315. Premedical students are advised to take Chemistry 325. In addition to the above courses, all persons majoring in Chemistry must take the following courses: Mathematics 113, 123, 213, and 224 and Physics 214 and 224.

Students who plan to major or minor in chemistry will be expected to maintain an average of "C" which is the minimum requirement and must take courses 154 and 164 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 1950. It is recommended that students include Math. 313 also.

#### DESCRIPTION OF COURSES

##### CHEMISTRY

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

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

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

CHEMISTRY 154-164. (3-4) *Credit 4*. For majors and minors: Course is designed for students who plan to major or minor in chemistry or for those who are in the preprofessional courses. It includes the composition, structure and properties of matter and the laws governing the changes of matter; chemical equilibrium.

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-metals; micro qualitative laboratory techniques; prerequisite: Chemistry 154 and 164.

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

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

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

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

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

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

414 and 424. PHYSICAL CHEMISTRY. (2-4) *Credit 4.* The properties of solids, gases and liquids, molecular and ionic theories, electrical transference and conductions; chemical kinetics; phase rule, thermochemistry and thermodynamics. Prerequisite: Chemistry 214 with a grade of C and Math. 223.

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

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

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

## DEPARTMENT OF PHYSICS

## SUGGESTED OUTLINE FOR MAJORS IN PHYSICS

## FRESHMAN YEAR

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

## SOPHOMORE YEAR

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



## JUNIOR YEAR

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

## SENIOR YEAR

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

## MAJOR AND MINOR REQUIREMENTS

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

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

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

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

## 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, laten image, elementary chemistry of development, contact and projection printing, filters, and colors. Prerequisite: Physics 214 and 224, Chemistry 114 and 124.

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

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

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

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

## DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

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

### MAJOR REQUIREMENTS

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

## MINOR REQUIREMENTS

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

## ADDITIONAL REQUIREMENTS

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

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

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

## INTRAMURAL ATHLETICS

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

SUGGESTED FOUR-YEAR PROGRAM WITH A MAJOR IN  
HEALTH AND PHYSICAL EDUCATION

## FRESHMAN YEAR

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

## 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	
Education 223 .....	3	English 223 .....	3
Rural Teacher		World Literature	
Biology 114 .....	4	Biology 124 .....	4
Zoology		Zoology	
English 213 .....	3	Physical Education 243 .....	3
Public Speaking		Methods in Health Education	
Physical Education 203 .....	3	Education 233 or 243 .....	3
Personal Hygiene		Military Science 221 .....	1
Military Science 211 .....	1	Elementary	
Elementary		Physical Education 221 .....	1
Physical Education 211 .....	1	Sophomore Practice	
Sophomore Practice			
	<hr/>		<hr/>
	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 231 .....	1	Physical Education 423 or 463 .....	3
Gymnastics		Coaching of Team Sports	
Physical Education 373 .....	3	Physical Education 343 .....	3
History and Principles of Physical Education		Methods and Materials	
Physical Education 413 .....	3	Military Science 323 .....	3
Coaching of Team Sports		Advanced	
Military Science 313 .....	3		
Advanced			
	<hr/>		<hr/>
	17 or 20		16 or 19

## SENIOR YEAR

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

## THEORY COURSES IN PHYSICAL EDUCATION

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

213. INTRODUCTION TO PHYSICAL EDUCATION. (3-0) *Credit 3*. I. Orientation to the field of physical education. 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 activities classes and to evaluate methods of teaching. Open to elementary teachers and electives.

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

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

403. PLAYGROUND AND COMMUNITY RECREATION. (3-0) *Credit 3*. I and II. Methods of organizing and running off tournaments, meets and field days. The organization and administration of the intra-mural program in high school. Elective.

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

423. COACHING OF TEAM SPORTS FOR MEN. (3-0) *Credit 3*. II. Practice and instruction in coaching archery, tennis, badminton, and the techniques of officiating. Required of all Majors.

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

453. COACHING OF TEAM SPORTS FOR WOMEN. (3-0) I. Practice and instruction in coaching softball, volleyball, basketball, badminton, and tennis. Two semesters are required of all Majors.

## DESCRIPTION OF COURSES

### 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, bolleyball, for women only.

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

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

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

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

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

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

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

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

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

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

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

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

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

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. Elective.

#### 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.

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

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. Elective.

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

## DEPARTMENT OF SOCIOLOGY

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

## 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 Composition .....		Reading and Composition .....	
Natural Science 113 .....	3	Natural Science 123 .....	3
College Science .....		College Science .....	
Mathematics 113 .....	3	Mathematics 123 .....	3
College Algebra .....		Trigonometry .....	
Education 103 .....	3	Geography 133 .....	3
Orientation .....		Economic Geography .....	
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 .....	2	Industry .....	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 213 .....	3	Sociology 223 .....	3
Public Speaking .....		Introductory Sociology .....	
Sociology 213 .....	3	English 223 .....	3
Introductory Sociology .....		World Literature .....	
Economics 213 .....	3	Economics 223 .....	3
Principles of Economics .....		Principles of Economics .....	
Military Science 211 (Men) .....	1	Military Science 221 (Men) .....	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 223 .....	3
Reading and Grammar Review .....		Reading and Grammar Review .....	
(French)Advanced Grammar and .....		(French)Advanced Grammar and .....	
Reading (Spanish) .....		Reading (Spanish) .....	
Sociology 333 .....	3	Political Science 203 .....	3
Social Psychology .....		American State Government .....	
Sociology Elective .....	3	Elective .....	3
Electives .....	6	Sociology 573 .....	3
Military Science 313 .....	3	Social Statistics .....	
Advanced .....		Sociology 303 .....	3
	<hr/>	The Family .....	
	15 or 18	Military Science 323 .....	3
		Advanced .....	
			<hr/>
			15 or 18

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Sociology 563 .....	3	Sociology 503 or 506 .....	6
Social Research .....		Social Theory .....	
Sociology Elective .....	3	Sociology Elective .....	3
History 463 .....	3	Electives .....	9
History of the Negro in America .....		Military Science 423 .....	3
Electives .....	6	Advanced .....	
Military Science 413 .....	3		
Advanced .....			15-18
	<hr/>		
	15 or 18		

## SUGGESTED PROGRAM FOR A MAJOR IN SOCIAL SERVICE

## FRESHMAN YEAR

(See Sociology)

## SOPHOMORE YEAR

(See Sociology)

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foreign Language 213 .....	3	Foreign Language 223 .....	3
Sociology 533 .....	3	Sociology 403 .....	3
Introduction to the Field of Social Work .....		Introduction to Social Case Work .....	
Sociology 333 .....	3	Sociology 303 .....	3
Social Psychology .....		The Family .....	
Electives .....	6	Sociology 573 .....	3
Military Science 313 .....	3	Social Statistics .....	
Advanced .....		Electives .....	3
		Military Science 323 .....	3
		Advanced .....	
	<hr/>		
	15 or 18		15 or 18

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Sociology 563 .....	3	Sociology 503-506 .....	6
Social Research .....		Supervised Field Work .....	
Sociology 423 .....	3	Electives .....	9
Introduction to Social Group Work .....		Military Science 423 .....	3
Sociology 603 .....	3		
Problems of Child Welfare .....			15 or 18
History 463 .....	3		
The Negro in the United States .....			
Elective .....	3		
Military Science 413 .....	3		
Advanced .....			
	<hr/>		
	15 or 18		

## DESCRIPTION OF COURSES

*Sociology*

213. INTRODUCTORY SOCIOLOGY. (3-0) *Credit 3.* I. General phenomena of human society; fundamental social processes and social problems.

223. INTRODUCTORY SOCIOLOGY. (3-0) *Credit 3.* II. Continuation of Soc. 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. Prerequisites: Soc. 233.

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

323. RACE RELATIONS. (3-0) *Credit 3*. II. Analysis of nature of race and culture contacts; rise and course of American race problems, and methods of racial adjustment. Prerequisites: Soc. 213 and 223.

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

343. 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.

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.

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 treated in the light of historical, ecological and social factors.

513. SOCIAL THEORY. (3-0) *Credit 3*. I. Historical development of theories of social science; the process by which sociology and the various social sciences came into systematic bodies of knowledge. Prerequisites: Twelve hours of sociology.

563. SOCIAL RESEARCH. (3-0) *Credit 3*. II. Various methods of social investigation, such as the social survey, the case study methods, historical, statistical and ecological techniques; 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 machines emphasized. Prerequisites: College Algebra.

583. CULTURAL ANTHROPOLOGY. (3-0) *Credit 3*. I or II. The origin and development of human culture; schools of culture and contemporary culture. Prerequisite: Nine hours of Sociology. Open to graduate students.

733. CRIMINOLOGY. (3-0) *Credit 3*. I. Nature, extent and causes of crime; various schools of criminology, individualization and criminal treatment, and modern techniques of criminal investigation. Prerequisites: Sociology 213, 223.

#### *Social Service*

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.

403. INTRODUCTION TO SOCIAL CASE WORK. (3-0) *Credit 3.* I and 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; and some understanding of the basic process of social case work practice. This course aims to be of 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, program, and agencies as a background for employment, in-service training, or professional education.

433. COMMUNITY ORGANIZATION. (3-0) *Credit 3.* I. The basic community organization processes; the function and operation of local Urban Leagues.

503-506. SUPERVISED FIELD WORK. (3-0, 3-6) *Credit 3-6.* I and II. Limited experience and controlled observation with established social agencies where social work techniques previously learned can be applied.

533. INTRODUCTION TO THE FIELD OF SOCIAL WORK. (3-0) *Credit 3.* I or II. An Orientation Course in the history and field of Social Work; case work, group work, and social welfare planning as well as professional organization. Required for majors and minors in Social Service.

603. PROBLEMS OF CHILD WELFARE. (3-0) *Credit 3.* I or II. Child welfare movements and contemporary children's agencies and their services; programs for improving the home and for substitute care, safeguarding health, employment protection, delinquency prevention, and for other needs of children and youth.

## MILITARY SCIENCE AND TACTICS

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

Training on the Freshman and Sophomore level is called the Elementary Course and is required of all able-bodied male students in the College with exception of veterans. These courses yield college credit which is applied toward graduation. The successful completion of the Elementary Course normally qualifies the student for appointment as a non-commissioned officer in the Enlisted Reserve Corps.

Enrollment in the Advanced Course (junior and senior years) is limited to students who have successfully completed the Elementary Course or who are veterans with one year or more of honorable military service. Advanced students are selected by the President of the College and the Professor of Military Science and Tactics. Successful com-

pletion of the course normally results in the tender of a Commission as a Second Lieutenant in the Officers' Reserve Corps. Outstanding students who are designated Distinguished Military Graduates may file applications, during the last year at college, for integration into the Regular Army upon graduation. The Professor of Military Science and Tactics may approve applications from certain students desiring to enter upon a one year competitive tour of service to determine qualifications for integration into the Regular Army. All students who are commissioned as Second Lieutenants, Officers' Reserve Corps may file application for a competitive tour.

Students enrolled in the advanced courses are entitled to commutation of subsistence at a rate prescribed by the Secretary of the Army. Based on the present cost of the garrison ration for the Army, this would be more than \$27.00 per month. This amount is computed from an average of ninety cents (\$.90) per day. Advanced students are required to spend one summer in camp at approximately \$75.00 per month, basic salary.

## COURSES OFFERED IN MILITARY SCIENCE AND TACTICS

### ELEMENTARY COURSES

111, 121. (4-0) *Credit 1.* I and II. Military Organization; Military Policy of the United States, National Defense Act, ROTC; Evolution of Warfare; Maps and Aerial Photographs; Military Psychology and Personnel Management; First Aid and Hygiene; Geographical Foundations of National Power; Military Problems of the United States; Military Mobilization and Demobilization; Leadership, Drill, and Exercise of Command.

211 and 221. (4-0) *Credit 1.* I and II. Organization; Weapons, Marksmanship; Technique of Fire of the Rifle Squad; Combat Formations; Scouting and Patrolling; Tactics of the Rifle Squad; Leadership, Drill, and Exercise of Command.

### ADVANCED COURSE

313, 323. (5-0) *Credit 3.* I and II. Organization; Weapons; Gunnery; Communication; Combat Intelligence; Estimate of the Situation and Combat Orders; Field Fortifications; Tactics of the Rifle and Heavy Weapons Platoons and Companies; Leadership, Drill, and Exercise of Command.

413, 423. (5-0) *Credit 3.* I and II. Organization; Command and Staff; Communication; Motor and Transportation; Supply and Evacuation; Troop Movement; New Developments; The Military Team; The Infantry Battalion in Attack and Defense; Military Administration; Military Law and Boards; Military Teaching Methods; Psychological Warfare; Leadership, Drill, and Exercise of Command.

# 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 specialize 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 courses dealing with dietetics, foods and nutrition, textiles, clothing and design, the house and home, care and training of children and management. These courses along with others in the sciences, both natural and social, mathematics, English and education, are arranged into a curriculum that is sufficiently flexible to provide for needs of the following specific groups:

1. Those who wish to enrich their general and cultural education by electing courses from the Home Economics Curriculum.
2. Those who may wish to take a minor in Home Economics.
3. Those who wish to become proficient in one phase of Home Economics in preparation for a career other than teaching.
4. Those who wish to become teachers of homemaking in High School, or some phase of Home Economics in College.
5. Graduate students who wish to take refresher work, or who are candidates for a master's degree.
6. Persons desiring curriculum in Dietetics.

## REQUIREMENTS FOR GRADUATION

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

## CURRICULUM IN HOME ECONOMICS EDUCATION

### 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 .....		Inorganic and Qualitative .....	
Home Economics 113 .....	3	Education 113 .....	3
Orientation .....		Introduction to Education .....	
Mathematics 173 .....	3	Clothing 123 .....	3
Elements of Applied Math. .....		Textiles and Clothing, or .....	
Clothing 113 .....	3	Art 113 .....	3
Textiles and Clothing, or .....		Elementary Design .....	
Art 113 .....	3	Mathematics 183 .....	3
Elementary Design .....		Elements of Applied Math. .....	
Physical Education 111 .....	1	Physical Education 121 .....	1
Freshman Practice .....		Freshman Practice .....	

20

[ 101 ]

20

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Elective .....	3	Elective .....	3
Education 233 .....	3	Chemistry 244 .....	4
Elementary Methods		Elementary Physiological	
Foods 213 .....	3	Education 223 .....	3
Elementary Nutrition		Problems of the Rural Teacher	
Engineering 233 .....	3	Foods 223 .....	3
Household Mechanics		Food Problems	
House 313 .....	3	Clothing 223 .....	3
Household Administration		Children's Clothing	
Physical Education 211 .....	1	Physical Education 221 .....	1
Sophomore Practice		Sophomore Practice	
	—		—
	16		17

## JUNIOR YEAR

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

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
**Home Economics Education 401 .....	1	Foods 423 .....	3
Problems		Nutrition Problems	
**Home Economics Education 403 .....	3	History 403 .....	3
Student Teaching		Negro History	
House 403 .....	3	House 463 .....	3
Supervised Home Management		Home Economics Ag.	
Parental Education 401 .....	1	Electives .....	3
Nursery School Observation		Education 383 .....	3
Parental Education 413 .....	3	Educational Psychology	
Child Guidance			—
Clothing 413 .....	3		15
Advanced Clothing Problems			
Education 353 .....	3		
Adolescent Psychology			
Foods 413 .....	3		
Advanced Nutrition			
	—		
	16 or 20		

\*\* Either semester—not offered in Summer Session.

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

## DIETETICS AS A CAREER

It has become increasingly apparent that the proper enjoyment and preservation of life is more dependent upon food than upon any other single factor. With the advance in technology of the twentieth century, and its resultant social changes, food, its proper balance, preparation and service have become of great interest to the general public. Food is now our largest single industry. It gives employment to nearly 54% of our population. In good times and bad, it provides that one group of commodities that is indispensable. It employs the one group of individuals whose services are always needed.

During the past few years, the field of opportunity for dietitians has expanded enormously. While the field of dietetics is firmly established, it is by no means overcrowded. For these reasons, the future dietitian can look forward with confidence to a career that offers stability, unlimited opportunity for advancement, diversity of activity, and possibility of performing vital services for fellow human beings. As a person offering an important service, the dietitian can expect proportionate income and reward.

To those contemplating a career that affords real advantages, the School of Home Economics offers a course designed to provide training in the essential requirement of this fascinating vocation.

## CURRICULUM IN DIETETICS

## FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
English 113 .....	3	English 123 .....	3
Grammar and Composition		Reading and Composition	
Education 103 .....	3	Art 113 .....	3
General Orientation		Elementary Design	
Mathematics 173 .....	3	Mathematics 183 .....	3
Elements of Applied Math.		Elements of Applied Math.	
Foods 213 .....	3	Chemistry 124 .....	4
Elementary Nutrition		Inorganic and Qualitative	
Chemistry 114 .....	4	Foods 223 .....	3
Inorganic		Problems	
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 233 .....	3	Food Study 233 .....	3
Public Address		Products	
House 213 .....	3	Animal Husbandry 342 .....	2
Household Administration		Farm Meats	
Dairying 223 .....	3	Economics 203 .....	3
Farm Dairying		Economic Principles	
Psychology 353 .....	3	Sociology 213 .....	3
Adolescent		Introduction	
—	—	Physical Education 223 .....	3
	17	Personal Hygiene	
		—	—
			18

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Biology 334 .....	4	Electives .....	3
General Microbiology		Foods 323 .....	3
(Bacteriology)		Meal Planning and Serving	
Parental Education 413 .....	3	Foods 423 .....	3
Child Development and Psychology		Advanced Nutrition	
Biology 304 .....	4	Animal Husbandry 213 .....	3
Physiology		Farm Poultry	
Foods 414 .....	4	Chemistry 434 .....	4
Selection and Preparation		Biochemistry	
—	—	—	—
	15		16

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Foods 016 .....	6	Foods 026 .....	6
Quantity Cookery Organization and Management		Quantity Cookery and Management	
Chemistry 434 .....	4	Electives .....	10
(Biochemistry)		(Select from either Semester's list)	
Electives .....	10	Food Preservation 343 .....	
(Select from list for either Semester)		French 113-123 .....	
Clothing 113 .....		Elementary	
Child Psychology 343 .....		Spanish 113-123 .....	
English 223 .....		Elementary	
World Literature		Economic Geography 173-183 .....	
General Zoology 114-124 .....			16
	20		

## 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		Inorganic and Qualitative	
Home Economics 113 .....	3	Clothing 223 .....	3
Orientation		Introduction to Education	
Mathematics 173 .....	3	Art 113 .....	3
Elements of Applied Math.		Elementary Design	
Clothing 113 .....	3	Mathematics 183 .....	3
Textiles and Clothing		Elements of Applied Math.	
Physical Education 111 .....	1	Physical Education 121 .....	1
Freshman Practice		Freshman Practice	
	16		16

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Clothing 323S 5-10 .....	10	Clothing 313 5-10 .....	10
Dressmaking		Costume Design	
Freehand Drawing 0-6 .....	6	Clothing 413S 5-10 .....	10
	16	Advanced Clothing Problems	
			20

## DISCRIPTION OF COURSES

## FOODS AND NUTRITION

213. ELEMENTARY NUTRITION. (3-0) *Credit 3*. I. Food selection habits which meet nutritional standards; social significance of food and standard of food selection at various economic levels.

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

233. FOODS STUDY, PRODUCTS. (3-0) *Credit 3*. II. Products used in preparation of diets and meals.

323. MEAL PLANNING AND PREPARATION. (1-4) *Credit 3*. II. Planning, preparing and serving palatable, nutritious and attractive meals for families at various economic levels, use and care of equipment and table appointments.

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

414. **FOODS, SELECTION AND PREPARATION.** (2-4) *Credit 4.* I. Selection and some preparation; field trips to markets, dairies, stores, and other places where foods are handled.

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

016-026. **QUANTITY COOKERY AND MANAGEMENT.** (2-8) *Credit 6.* Subject matter of earlier courses put into practice; experience gained in menu planning, marketing, and purchasing food in quantity; organizing staff and assigning duties; supervision of food preparation, determining size of serving; planning attractive layouts of food; field trips.

#### ART

113. **ELEMENTARY DESIGN.** (1-4) *Credit 3.* I or II. Art Principles and their application to home problems.

#### CLOTHING

113, 123. **CLOTHING.** (1-4) *Credit 3.* I and II. Analyzing personal and family resources; standards in the selection, purchase, use and maintenance of the wardrobe from the standpoint of material, construction and design of the various items; 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.

312. **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.

323. **DRESSMAKING.** (1-4) *Credit 3.* I. Suit and coat making for women.

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

#### PARENTAL EDUCATION

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

413. **CHILD GUIDANCE.** (3-0) *Credit 3.* I and II. Care and training of the child from pre-natal life through the pre-school period; standards for normal physical, mental, social and emotional development.

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

#### HOUSE

313. **HOUSEHOLD ADMINISTRATION.** (3-0) *Credit 3.* I. Present day housing; health, safety, economy, convenience, aesthetic qualities, and



other values of concern to the family; equipping and furnishing the home; art related to home furnishing; economic and social factors.

403. SUPERVISED HOME MANAGEMENT. (1-4) *Credit 3.* I and II. House residence; experiences in group living and opportunities to develop skills and techniques; (six weeks).

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

#### HOME ECONOMICS EDUCATION

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

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

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

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.

(For other descriptions see Agricultural Curriculum)

Dairying 223

Animal Husbandry 342

Animal Husbandry 213

Food Preservation 343

#### FOODS AND NUTRITION

443. DIET THERAPY. (2-2) *Credit 3.* Prerequisite: 413. Underlying principles of dietary measures; the treatment of diseases.

303. EXPERIMENTAL FOODS. (2-2) *Credit 3.* Prerequisite: Chemistry 124, 224, Foods 223. Composition and behavior of foods; the application of chemical and physical principles to food problems.

\* Not offered in the Summer Session.

# DEPARTMENT OF COOKING AND BAKING

The Department of Cooking and Baking offers opportunities to students who cannot afford the time or expense of taking a longer course and who desire to apply their efforts directly to acquiring more skill in cooking or baking in order to follow it as a trade.

## Admission

In order to pursue the courses leading to a Certificate of Proficiency in Cooking or Baking, the student must meet the same entrance requirements as are prescribed for entrance to freshman college courses (see Academic Information).

## Requirements for Certificate

Trade Certificates are awarded for successful completion of the courses outlined with a minimum of 68 semester hours and sixty-eight grade points.

## TWO-YEAR TRADE COURSE IN COOKING

### FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
Mathematics 133 .....	3	Mathematics 143 .....	3
Trade Mathematics		Trade Mathematics	
English 103 .....	3	English 1X3 .....	3
Trade English		Trade English	
Foods 013 .....	3	Foods 023 .....	3
Elementary Nutrition		Marketing and Cooking Methods	
Cooking 117 .....	7	Cooking 127 .....	7
Practice and Theory		Practice and Theory	
Military Science 111 .....	1	Military Science 121 .....	1
Elementary		Elementary	
	17		17

### SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
Cooking 213 .....	3	Cooking 223 .....	3
Advanced Theory		Advanced Theory	
Cooking 215 .....	5	Cooking 225 .....	5
Estimates		Estimates	
Cooking 235 .....	5	Cooking 245 .....	5
Meats		Meats	
Military Science 211 .....	1	Military Science 221 .....	1
Elementary		Elementary	
Elective .....	3	Baking and Cooking 263 .....	3
	17	Management	
			17

## TWO-YEAR TRADE COURSE IN BAKING

FIRST YEAR			
First Semester	Hrs.	Second Semester	Hrs.
Mathematics 133 .....	3	Mathematics 143 .....	3
Trade Mathematics .....		Trade Mathematics .....	
English 103 .....	3	English 1X3 .....	3
Trade English .....		Trade English .....	
Foods 013 .....	3	Foods 023 .....	3
Elementary Nutrition .....		Marketing and Methods .....	
Baking 117 .....	7	Baking 127 .....	7
Practice and Theory .....		Practice and Theory .....	
Military Science 111 .....	1	Military Science 121 .....	1
Elementary .....		Elementary .....	
	—		—
	17		17
SECOND YEAR			
First Semester	Hrs.	Second Semester	Hrs.
Baking 213 .....	3	Baking 223 .....	3
Advance Theory .....		Advance 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
	—	Management .....	
	17		—
			17

## DISCRIPTION 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
Electrical Maintenance and Repair	Sheet Metal Work
Laundering	Shoe Repairing
Machine Tool Work	Tailoring and Garment Making
Masonry	Stationary Engineering

Welding, Gas and Electric

## OBJECTIVES

### ARCHITECTURAL ENGINEERING

The curriculum in Architectural Engineering is designed to give the student practical and theoretical training in Architecture and Building Construction. Although it emphasizes the structural and mechanical phases of Architecture, it includes architectural design, properties and uses of building materials, estimating construction costs, specification writing, and other phases important to the architectural profession. The aim is to prepare men for careers in the construction industry as: Draftsmen, Designers, Estimators and Building Supervisors, and provide them with the necessary foundation for future independent architectural practice.

Students selecting this option should get practical experience during the summer, either on construction projects or in the office as an Architect or Engineer.

### CIVIL ENGINEERING

The field covered by Civil Engineering is wide, embracing surveying, highway, hydraulic, structural, sanitary, and construction engineering. It is the aim of this curriculum to give broad general training, which will serve as a foundation for development of any special line in the field, and to fit men for technical, administrative and commercial positions, both private and governmental. The training is largely fundamental in nature, but sufficient detailed practice is included to enable the graduate to occupy immediately a productive remunerative position in the field of Civil Engineering.

### ELECTRICAL ENGINEERING

The curriculum in Electrical Engineering is intended to prepare students for entry into 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 industrial shops. Upon completion of the course the student will receive a certificate valid in any high school or other public school in the State.

*Major*—The requirements for a major in Industrial Education consist of not less than 45 semester hours nor more than 55 semester hours of shop work and drawing. 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 15 semester hours drawing, including engineering drawing, freehand drawing and descriptive geometry. Twenty-four (24) semester hours in shop work shall be selected from one of the areas listed below. The remainder of the requirements are made up of shop electives.

- |                              |                            |
|------------------------------|----------------------------|
| 1. Auto Mechanics            | 9. Painting and Decorating |
| 2. Broom and Mattress Making | 10. Plumbing               |
| 3. Woodwork                  | 11. Printing               |
| 4. Dry Cleaning              | 12. Radio Technology       |
| 5. Electricity               | 13. Sheet Metal            |
| 6. Laundering                | 14. Shoe Repairing         |
| 7. Machine Shop              | 15. Tailoring              |
| 8. Masonry                   | 16. Welding                |

## PLAN II

### *General Shop Teacher*

The shop major shall consist of at least 15 semester hours drawing, including engineering drawing, freehand drawing, and descriptive geometry. A minimum of 6 semester hours in shop work is required in four of the following areas:

- |                              |                            |
|------------------------------|----------------------------|
| 1. Auto Mechanics            | 9. Painting and Decorating |
| 2. Broom and Mattress Making | 10. Plumbing               |
| 3. Woodwork                  | 11. Printing               |
| 4. Dry Cleaning              | 12. Radio Technology       |
| 5. Electricity               | 13. Sheet Metal            |
| 6. Laundering                | 14. Shoe Repairing         |
| 7. Machine Shop              | 15. Tailoring              |
| 8. Masonry                   | 16. Welding                |

*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 the 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*—Forty-five (45) to fifty-five (55) semester hours, including 10 semester hours in advanced courses, in drawing and shop work according to Plan I or II.

*Minor*—A teaching minor of 18 to 24 semester hours is required of the Industrial Education major. This minor will be elected from one of the following divisions:

- |                     |                   |
|---------------------|-------------------|
| 1. Arts and Science | 3. Engineering    |
| 2. Agriculture      | 4. Home Economics |

*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 313 .....	3
Introduction to Education		Principles of Industrial Education	
Education 383 .....	3	Industrial Education 273 .....	3
Educational Psychology		Shop Organization and Management	
Education 373 .....	3	Industrial Education 533 .....	3
Vocational Guidance		Methods of Teaching Industrial Ed.	
Education 406 .....	6	Industrial Education 543 .....	3
Practice Teaching		Trade and Job Analysis	
		Industrial Education 323 .....	3
		Teaching Problems in Industrial Education	

*General Education Requirements*—The following courses are required of all majors in Industrial Education:

Mathematics .....	6 hrs.	English .....	12 hrs.
College Algebra 3 hrs.		Composition and Grammar 3 hrs.	
Trigonometry 3 hrs.		Reading and Composition 3 hrs.	
Science .....	18 hrs.	Public Speaking 3 hrs.	
Chemistry 8 hrs.*		Advanced Composition or	
Physics 10 hrs.		World Literature 3 hrs.	
History and Government .....	9 hrs.	Economics .....	3 hrs.
State Government 3 hrs.		Electives as necessary to satisfy the curriculum.	
National Government 3 hrs.			
Negro History 3 hrs.			

## 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

\* With the approval of the Dean of the School this requirement may be met in special cases by taking 4 hours of chemistry and 4 hours of biology.

more skill in some industry in order to follow it as a trade, and (2) those who are engaged in some industry, but who feel the need of acquiring more skill, efficiency, and technical knowledge in their work.

### DISTRIBUTIVE EDUCATION

In the field of Distributive Education, courses are offered in business practices, how to teach an employee, wholesale and retail selling and buying, advertising, display, bookkeeping, salesmanship, employer-employee relations, public relations, retail record keeping, laws of retailing, professional development in retail selling, grocery procedure and food service. These courses will be offered in the field in short units, and carry no college credit. Any one or all may be taken on request. Summer Business and Distributive Education Clinics will be held upon demand.

### SPECIAL STUDENTS

Special students will be admitted by the Dean of the School who will supervise the arrangement of their courses. Special students are 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.

### ADMISSION

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

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

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

### GRADUATION REQUIREMENTS

The requirements for graduation from the School of Engineering are the satisfactory completion of all courses in one of the prescribed curricula, with a C average.

\* 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.



## 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 .....		Analytic Geometry .....	
Mathematics 123 .....	3	English 123 .....	3
Trigonometry .....		Reading and Composition .....	
Chemistry 114 .....	4	Chemistry 124 .....	4
Inorganic Chemistry .....		Inorganic Chemistry .....	
General Engineering Drawing 113 .....	3	General Engineering Drawing 122 .....	2
Engineering Drawing I .....		Descriptive Geometry .....	
General Engineering 111 .....	1	General Engineering 122 .....	2
Engineering Lectures .....		Problems and Slide Rule .....	
English 113 .....	3	Mechanical Engineering 112**** .....	2
Grammar and Composition .....		Welding and Heat Treatment .....	
Military Science 111 .....	1	General Engineering 121 .....	1
Elementary .....		Engineering Lectures .....	
Physical Education 111 .....	1	Military Science 121 .....	1
Freshman Practice .....		Elementary .....	
	<b>18</b>	Physical Education 121 .....	1
		Freshman Practice .....	
			<b>18</b>

## 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 .....		Engineering Physics II .....	
English 213 .....	3	English 223 .....	3
Public Discussion .....		Composition and Literature .....	
Architecture 213 .....	3	Architecture 223 .....	3
Elements of Architecture I .....		Elements of Architecture II .....	
Architecture 2 .....	2	Civil Engineering .....	2
Freehand Drawing II .....		Elementary Surveying .....	
Military Science 211 .....	1	Military Science 221 .....	1
Elementary .....		Elementary .....	
Physical Education 211 .....	1	Physical Education 221 .....	1
Sophomore Practice (Women) .....		Sophomore Practice (Women) .....	
	<b>18</b>		<b>18</b>

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

\*\*\*\* Architectural Engineering Students take Freehand Drawing I, Architecture 212.

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Civil Engineering 213 .....	3	Civil Engineering 343 .....	3
Engineering Materials .....		Strength of Materials .....	3
Civil Engineering 313 .....	3	Political Science 203 .....	3
Applied Mechanics—Statics .....		State Government .....	
Architecture 314 .....	4	Architecture 363 .....	3
Architectural Design .....		Working Drawings .....	3
Architecture 372 .....	2	Architecture 373 .....	3
Mechanical Equipment .....		History of Architecture II .....	3
Political Science 263 .....	3	Architecture 383 .....	3
National Government .....		Building Construction .....	
Architecture 333 .....	3	Architecture 324 .....	4
History of Architecture I .....		Architectural Design .....	
Military Science 313 .....	3	Military Science 323 .....	3
Advanced .....		Advanced .....	
	—		—
	18 or 21		19 or 22

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Economics 213 .....	3	Architecture 443 .....	3
Principles of Economics .....		Architectural Design .....	
Civil Engineering 354 .....	4	Mechanical Engineering 424 .....	4
Stress Analysis I .....		Heat, Ventilation and .....	
Architecture 433 .....	3	Air-Conditioning .....	
Architectural Design .....		Civil Engineering 414 .....	4
Civil Engineering 462 .....	2	Structural Design .....	
Graphic Statics .....		Civil Engineering 413 .....	3
Civil Engineering 341 .....	1	Reinforced Concrete Design .....	
Strength of Materials Lab. .....		Architecture 452 .....	2
Civil Engineering 363 .....	3	Architectural Practice .....	
Soils and Foundations .....		Non-Technical Elective .....	2
Electrical Engineering 453 .....	3	Military Science 423 .....	3
Illumination .....		Advanced .....	
Military Science 413 .....	3		—
Advanced .....			18 or 21
	—		
	19 or 22		

Number of hours required for graduation—145

## CIVIL 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 .....		Engineering Physics .....	
English 213 .....	3	English 223 .....	3
Public Discussion .....		Composition and Literature .....	
General Engineering Drawing 212 .....	2	Civil Engineering 283 .....	3
Engineering Drawing II .....		Topographic Surveying .....	
Mechanical Engineering 211 .....	1	and Mapping .....	
Pattern Making and Foundry .....		Machine Shop 222 .....	2
Civil Engineering 262 .....	2	Machine Tool Work .....	
Elementary Surveying .....		Military Science 221 .....	1
Military Science 211 .....	1	Elementary .....	
Elementary .....		Physical Education 221 .....	1
Physical Education 211 .....	1	Sophomore Practice (Women) .....	
Sophomore Practice (Women) .....			—
	—		18
	18		

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Civil Engineering 313 .....	3	Civil Engineering 343 .....	3
Applied Mechanics I .....		Strength of Materials .....	
Civil Engineering 213 .....	3	Political Science 203 .....	3
Engineering Materials .....		State Government .....	
Political Science 263 .....	3	Civil Engineering 341 .....	1
National Government .....		Strength of Materials Lab. .....	
Bacteriology .....	3	Civil Engineering 383 .....	3
Water and Sewage Bacteriology .....		Advanced Surveying .....	
Mechanical Engineering 423 .....	3	Civil Engineering 362 .....	2
Heat Power Engineering .....		Soil Mechanics .....	
Business Administration 213 .....	3	Civil Engineering 373 .....	3
Principles of Economics .....		Fluid Mechanics .....	
Military Science 313 .....	3	Civil Engineering 311 .....	1
Advanced .....		Hydraulics Lab. .....	
	18 or 21	Civil Engineering 323 .....	3
		Applied Mechanics II .....	
		Military Science 323 .....	3
		Advanced .....	
			19 or 22

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Civil Engineering 354 .....	4	Civil Engineering 422 .....	2
Stress Analysis I .....		Sewerage .....	
Civil Engineering 462 .....	2	Civil Engineering 414 .....	4
Graphic Statics .....		Structural Design .....	
Civil Engineering 412 .....	2	Civil Engineering 453 .....	3
Water Supply .....		Stress Analysis II .....	
Civil Engineering 413 .....	3	Civil Engineering 483 .....	3
Reinforced Concrete .....		General Geology .....	
Electrical Engineering 313A .....	3	Civil Engineering 463 .....	3
Principles of DC and AC .....		Foundations .....	
Machinery .....		Civil Engineering 493 .....	3
Electrical Engineering 311 .....	1	Contracts, Specifications .....	
Electrical Lab. .....		and Engineering Reports .....	
Civil Engineering 473 .....	3	Military Science 423 .....	3
Highway Engineering .....		Advanced .....	
Military Science 413 .....	3		
Advanced .....			
	18 or 21		18 or 21

Number of hours required for graduation—145

## 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 213 .....	3	English 223 .....	3
Public Discussion .....		Composition and Literature .....	
General Engineering Drawing 212 .....	2	Machine Shop 222 .....	2
Engineering Drawing II .....		Machine Tool Work .....	
Mechanical Engineering 211 .....	1	Mechanical Engineering 221 .....	2
Pattern Making and Foundry .....		Pattern Making and Foundry .....	
Civil Engineering 262 .....	2	Electrical Engineering 213 .....	3
Elementary Surveying .....		Electricity and Magnetism .....	
Military Science 211 .....	1	Military Science 221 .....	1
Elementary .....		Elementary .....	
Physical Education 211 .....	1	Physical Education 221 .....	1
Sophomore Practice (Women) .....		Sophomore Practice (Women) .....	
	18		19

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Electrical Engineering 314 .....	4	Civil Engineering 213 .....	3
A. C. Circuits .....		Engineering Materials .....	
Electrical Engineering 333 .....	3	Political Science 263 .....	3
D. C. Machinery .....		National Government .....	
Electrical Engineering 311 .....	1	Civil Engineering 343 .....	3
D. C. Lab. .....		Strength of Materials .....	
Mathematics 423 .....	3	Electrical Engineering 373 .....	3
Differential Equations .....		Electrical Measurements .....	
Civil Engineering 313 .....	3	Electrical Engineering 371 .....	1
Applied Mechanics I .....		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—Advanced .....	3	Civil Engineering 341 .....	1
—	—	Strength of Materials Lab. ....	
18 or 21		Military Science 323—Advanced .....	3
		—	—
		18 or 21	

## 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 .....	2	Civil Engineering 323 .....	3
A. C. Lab. ....		Applied Mechanics II .....	
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. ....	
Business Administration 213 .....	3	Political Science 203 .....	3
General Economics .....		State Government .....	
Electrical Engineering 453 .....	3	Business Administration 463 .....	3
Illumination .....		Business Law .....	
Military Science 413—Advanced .....	3	Elective .....	2
—	—	Military Science 423—Advanced .....	3
18 or 21		—	—
		18 or 21	

Number of hours required for graduation—145

## MECHANICAL ENGINEERING

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Mathematics 224 .....	4	Mathematics 314 .....	4
Differential Calculus .....		Integral Calculus .....	
Physics 215 .....	5	Physics 225 .....	5
Engineering Physics I .....		Engineering Physics II .....	
English 218 .....	3	English 223 .....	3
Public Discussion .....		Composition and Literature .....	
General Engineering 212 .....	2	Machine Shop 222 .....	2
Engineering Drawing II .....		Machine Tool Work .....	
Mechanical Engineering 211 .....	1	Mechanical Engineering 221 .....	1
Pattern Making and Foundry .....		Pattern Making and Foundry .....	
Civil Engineering 262 .....	2	Civil Engineering 213 .....	3
Elementary Surveying .....		Engineering Materials .....	
Military Science 211 .....	1	Military Science 221 .....	1
Elementary .....		Elementary .....	
Physical Education 211 .....	1	Physical Education 221 .....	1
Sophomore Practice (Women) .....		Sophomore Practice (Women) .....	
—	—	—	—
18		19	

\* Students may substitute Electrical Engineering courses for these subjects upon approval of the Dean of the School of Engineering.

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Civil Engineering 313 .....	3	Civil Engineering 343 .....	3
Applied Mechanics .....		Strength of Materials .....	
Mechanical Engineering 333 .....	3	Civil Engineering 341 .....	1
Mechanism .....		Strength of Materials Lab. ....	
Mechanical Engineering 314 .....	4	Electrical Engineering 313 .....	3
Thermodynamics .....		Introduction to Circuit Analysis ..	
Political Science 263 .....	3	Mechanical Engineering 343 .....	3
National Government .....		Internal Combustion Engines .....	
Business Administration 213 .....	3	Civil Engineering 323 .....	3
General Economics .....		Applied Mechanics II .....	
Elective .....	2	Mechanical Engineering 323 .....	3
Military Science 313 .....	3	Heat Power Engineering .....	
Advanced .....		Mechanical Engineering 322 .....	2
	18 or 21	Heat Power Lab. ....	
		Military Science 323 .....	3
		Advanced .....	
			18 or 21

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Electrical Engineering 333 .....	3	Electrical Engineering 412A .....	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 .....	
Elective .....	3	Mechanical Engineering 443 .....	3
Military Science 413 .....	3	Power Plant Engineering .....	
Advanced .....		Military Science 423 .....	3
	18 or 21	Advanced .....	
			18 or 21

Number of hours required for graduation—145

## INDUSTRIAL EDUCATION

## FRESHMAN YEAR

First Semester	Hrs.	Second Semester	Hrs.
Mathematics 113—College Algebra .....	3	Mathematics 123—Trigonometry .....	3
English 113—Grammar and Composition ..	3	English 123—Reading and Composition ..	3
Chemistry 114—Inorganic Chemistry .....	4	Chemistry 124—Inorganic Chemistry .....	4
General Engineering Drawing 113 .....	3	General Engineering Drawing 122 .....	2
Engineering Drawing I .....		Descriptive Geometry .....	
Industrial Laboratory .....	3	Industrial Laboratory .....	4
General Engineering 111 .....	3	General Engineering 121 .....	4
Engineering Lectures .....		Engineering Lectures .....	
Military Science—Elementary .....	1	Military Science—Elementary .....	1
Physical Education 111 .....	1	Physical Education 121 .....	1
Freshman Practice (Women) .....		Freshman Practice (Women) .....	
	18		18

## SOPHOMORE YEAR

First Semester	Hrs.	Second Semester	Hrs.
Political Science 263—National Gov. ....	3	Political Science 203—State Government ..	3
English 213—Public Speaking .....	3	Industrial Education 263 .....	3
Education 113—Introduction to Ed. ....	3	Shop Organization and Management ..	
Industrial Laboratory .....	4	Drawing .....	3
Architecture 212—Freehand Drawing .....	2	Industrial Laboratory .....	4
Elective .....	2	Economics 203—Survey of Economics ..	3
Military Science 221—Elementary .....	1	Elective .....	1
Physical Education 211 .....	1	Military Science—Elementary .....	1
	18	Physical Education 221—Sop. Prac. (W) ..	1
			18

Sophomore Practice (Women)

## JUNIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Physics 115 .....	5	Physics 125 .....	5
General Physics		General Physics	
Industrial Education 313 .....	3	Industrial Education 543 .....	3
Principles of Industrial Education		Trade and Job Analysis	
Drawing .....	3	Drawing .....	3
Industrial Laboratory .....	4	Industrial Laboratory .....	3
Elective .....	2	History 463 .....	3
Military Science 313 .....	3	Negro History	
—	—	Military Science 323 .....	3
	17 or 20	—	—
			17 or 20

## SENIOR YEAR

First Semester	Hrs.	Second Semester	Hrs.
Industrial Education 323 .....	3	Education 406 .....	6
Method of Teaching Industrial Education		Practice Teaching	
Education 373 .....	3	Education 383 .....	3
Vocational Education		Educational Psychology	
Industrial Laboratory .....	7	Electives .....	8
Electives .....	4	Military Science 423 .....	3
Military Science 413 .....	3	Advanced	
Advanced		—	—
—	—		17 or 20
	17 or 20		

## OUTLINE OF THE TWO-YEAR TECHNICAL COURSES

### AUTOMOBILE MECHANICS

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering Drawing 122 .....	2	General Engineering Drawing 142 .....	2
General Drawing I		General Drawing II	
*General Engineering 133 .....	3	General Engineering 143 .....	3
Related Mathematics		Related Mathematics	
*English 103 .....	3	English 1X3 .....	3
English for Trade Students		English for Trade Students	
Auto Mechanics 112 .....	2	Auto Mechanics 122 .....	2
Auto Mechanics Theory		Auto Mechanics Theory	
Auto Mechanics 115 .....	5	Auto Mechanics 125 .....	5
Auto Mechanics Lab.		Auto Mechanics 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 Management		Shop Management	
Machine Shop Practice 102 .....	2	Machine Shop Practice 1X2 .....	2
Welding		Elementary Machine Shop	
Mathematics 113 .....	3	Auto Mechanics 222 .....	2
College Algebra		Auto Mechanics Theory	
Auto Mechanics 212 .....	2	Mathematics 123 .....	3
Auto Mechanics Theory		Trigonometry	
Auto Mechanics 215 .....	5	Auto Mechanics 225 .....	5
Auto Mechanics Lab.		Auto Mechanics Lab.	
Military Science 211 .....	1	Military Science 221 .....	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.

## BROOM AND MATTRESS MAKING

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
Elective .....	2	Elective .....	2
General Engineering 133 .....	3	General Engineering 143 .....	3
Related Mathematics		Related Mathematics	
English 103 .....	3	English 1X3 .....	3
English for Trade Students		English for Trade Students	
Broom and Mattress Making 112 .....	2	Broom and Mattress Making 122 .....	2
Broom and Mattress Making Theory		Broom and Mattress Making Theory	
Broom and Mattress Making 115 .....	5	Broom and Mattress Making 125 .....	5
Broom and Mattress Making Lab.		Broom and Mattress Making 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 Management		Shop Management	
Elective .....	2	Elective .....	2
Mathematics 113 .....	3	Mathematics 123 .....	3
College Algebra		Trigonometry	
Broom and Mattress Making 212 .....	2	Broom and Mattress Making 222 .....	2
Broom and Mattress Making Theory		Broom and Mattress Making Theory	
Broom and Mattress Making 215 .....	5	Broom and Mattress Making 225 .....	5
Broom and Mattress Making Lab.		Broom and Mattress Making Lab.	
Military Science 211 .....	1	Military Science 221 .....	1
Elementary		Elementary	
—	16	—	16

## WOODWORK

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering Drawing 132 .....	2	General Engineering Drawing 142 .....	2
General Drawing I		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	
Carpentry 117 .....	7	Carpentry 127 .....	7
Carpentry Theory and Lab.		Carpentry 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 Management		Shop Management	
Architecture 242 .....	2	Painting 1X2 .....	2
Architectural Drafting		Mathematics 123 .....	3
Mathematics 113 .....	3	Trigonometry	
College Algebra		Carpentry 227 .....	7
Carpentry 217 .....	7	Carpentry Theory and Lab.	
Carpentry Theory and Lab.		Military Science 221 .....	1
Military Science 211 .....	1	Elementary	
Elementary		—	16
—	16		

## DRAFTING\*

FIRST YEAR		SECOND SEMESTER	
	Hrs.		Hrs.
First Semester		Second Semester	
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
General Engineering Drawing 106	6	Architecture 244	4
Industrial Drawing		Architectural Drawing	
Commercial Art 103	3	Commercial Art 1X3	3
Military Science 111	1	General Engineering Geometry 222	2
Elementary		Descriptive Geometry	
	—	Military Science 121	1
	16	Elementary	
			—
			16

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

## SECOND YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hrs.		Hrs.
Mathematics 113	3	Mathematics 123	3
College Algebra		Trigonometry	
General Engineering 253	3	General Engineering 263	3
Business Management		Shop Management	
General Engineering Drawing 213	3	General Engineering Drawing 223	3
Engineering Drawing II		General Engineering Drawing III	
Architecture 243	3	Architecture 263	3
Architectural Drawing		Architectural Drawing	
Civil Engineering 213	3	General Engineering Drawing 283	3
Engineering Materials		Drafting Room Management	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
	—		—
	16		16

## DRY CLEANING

FIRST YEAR		SECOND SEMESTER	
	Hrs.		Hrs.
First Semester		Second Semester	
Elective	2	Elective	2
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
Dry Cleaning 112	2	Dry Cleaning 122	2
Dry Cleaning Theory		Dry Cleaning Theory	
Dry Cleaning 115	5	Dry Cleaning 125	5
Dry Cleaning Lab.		Dry Cleaning Lab.	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
	—		—
	16		16

## SECOND YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hrs.		Hrs.
General Engineering 253	3	General Engineering 263	3
Business Management		Shop Management	
Laundering 112	2	Tailoring 1X2—Tailoring	2
Elementary Laundering		Mathematics 123—Trigonometry	3
Mathematics 113—College Algebra	3	Dry Cleaning 222	2
Dry Cleaning 212—Dry Cleaning Theory	2	Dry Cleaning Theory	
Dry Cleaning 215	5	Dry Cleaning 225	5
Dry Cleaning Lab.		Dry Cleaning Lab.	
Military Science 211—Elementary	1	Military Science 221—Elementary	1
	—		—
	16		16



## ELECTRICITY

## FIRST YEAR

First Semester		Second Semester	
	Hrs.		Hrs.
General Engineering Drawing 132	2	General Engineering Drawing 142	2
General Drawing I		General Drawing II	
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
Electricity 112—Electrical Theory	2	Electricity 122—Electrical Theory	2
Electricity 112A	2	Electricity 122A	2
Electrical Lab.		Electrical Lab.	
Electricity 113	3	Electricity 123	3
Electrical Wiring and Repair		Electrical Wiring and Repair	
Military Science 111—Elementary	1	Military Science 121—Elementary	1
	<hr/> 16		<hr/> 16

## SECOND YEAR

First Semester		Second Semester	
	Hrs.		Hrs.
General Engineering 253	3	General Engineering 263	3
Business Management		Shop Management	
Electricity 132	2	Electricity 142	2
D. C. Motor-Generator Repair		A. C. Motor-Generator Repair	
Mathematics 113	3	Mathematics 123	3
College Algebra		Trigonometry	
Electricity 212	2	Electricity 222	2
Electrical Theory		Electrical Theory	
Electricity 215	5	Electricity 225	5
Electrical Lab.		Electrical Lab.	
Military Science 211—Elementary	1	Military Science 221—Elementary	1
	<hr/> 16		<hr/> 16

## LAUNDERING

## FIRST YEAR

First Semester		Second Semester	
	Hrs.		Hrs.
General Engineering Drawing 132	2	General Engineering Drawing 142	2
General Drawing		General Drawing	
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
Laundering 112	2	Laundering 122	2
Laundering Theory		Laundering Theory	
Laundering 115	5	Laundering 225	5
Laundering Lab.		Laundering Lab.	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
	<hr/> 16		<hr/> 16

## SECOND YEAR

First Semester		Second Semester	
	Hrs.		Hrs.
General Engineering 253	3	General Engineering 263	3
Business Management		Shop Management	
Mathematics 113—College Algebra	3	Tailoring 1X2	2
Laundering 212	2	Tailoring	
Laundering Theory		Mathematics 123—Trigonometry	3
Laundering 215	5	Laundering 222	2
Laundering Lab.		Laundering Theory	
Dry Cleaning 102	2	Laundering 225	5
Dry Cleaning Lab.		Laundering Lab.	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
	<hr/> 16		<hr/> 16

## MACHINE SHOP

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering Drawing 132	2	General Engineering Drawing 142	2
General Drawing		General Drawing	
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
Machine Shop 112	2	Machine Shop 122	2
Machine Shop Theory		Machine Shop Theory	
Machine Shop 115	5	Machine Shop 125	5
Machine Shop Lab.		Machine Shop Lab.	
Military Science 111—Elementary	1	Military Science 121—Elementary	1
	16		16

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253	3	General Engineering 263	3
Business Management		Shop Management	
General Engineering Drawing 212	2	Machine Shop 1X2	2
Engineering Drawing II		Welding	
Mathematics 113—College Algebra	3	Mathematics 123—Trigonometry	3
Machine Shop 212	2	Machine Shop 222	2
Machine Shop Theory		Machine Shop Theory	
Machine Shop 215	5	Machine Shop 225	5
Machine Shop Lab.		Machine Shop Lab.	
Military Science 211—Elementary	1	Military Science 221—Elementary	1
	16		16

## MASONRY

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering Drawing 132	2	General Engineering Drawing 142	2
General Drawing		General Drawing	
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
Masonry 112	2	Masonry 122	2
Masonry Theory		Masonry Theory	
Masonry 115	5	Masonry 125	5
Masonry Lab.		Masonry 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 Management		Shop Management	
Architecture 242	2	Architecture 252	2
Architectural Drawing		Architectural Drawing	
Mathematics 113	3	Mathematics 123	3
College Algebra		Trigonometry	
Masonry 212	2	Masonry 222	2
Masonry Theory		Masonry Theory	
Masonry 215	5	Masonry 225	5
Masonry Lab.		Masonry 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 Drawing 132	2	General Engineering Drawing 142	2
General Drawing		General Drawing	
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
Painting 112	2	Painting 122	2
Painting Theory		Painting Theory	
Painting 115	5	Painting 125	5
Painting Lab.		Painting 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 Management		Shop Management	
Commercial Art 103	3	Commercial Art 1X3	3
Elective	2	Elective	2
Painting 212	2	Painting 222	2
Painting Theory		Painting Theory	
Painting 215	5	Painting 225	5
Painting Lab.		Painting Lab.	
Military Science 211	1	Military Science 221	1
Elementary		Elementary	
	16		16

## PLUMBING

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering Drawing 132	2	General Engineering Drawing 142	2
General Drawing		General Drawing	
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
Plumbing 112	2	Plumbing 122	2
Plumbing Theory		Plumbing Theory	
Plumbing 115	5	Plumbing 125	5
Plumbing Lab.		Plumbing 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 Management		Shop Management	
Welding 102	2	Sheet Metal 1X2	2
Elementary Welding		Mathematics 123	3
Mathematics 113	3	Trigonometry	
College Algebra		Plumbing 222	2
Plumbing 212	2	Plumbing Theory	
Plumbing Theory		Plumbing 225	5
Plumbing 215	5	Plumbing Lab.	
Plumbing Lab.		Military Science 221	1
Military Science 211	1	Elementary	
Elementary			
	16		16

## PRINTING

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
English 103 .....	3	English 1X3 .....	3
English for Trade Students .....		English for Trade Students .....	3
General Engineering 133 .....	3	General Engineering 143 .....	3
Related Mathematics .....		Related Mathematics .....	
Printing 112 .....	2	Printing 122 .....	2
Typography I .....		Topography II .....	
Printing 152 .....	2	Printing 162 .....	2
Platen Presswork I .....		Cylinder Presswork I .....	
Printing 113 .....	3	Printing 172 .....	2
Graphic Arts Survey .....		Platen Presswork II .....	
Printing 121 .....	1	Printing 182 .....	2
Color .....		Machine Composition I .....	
Printing 132 .....	2	Printing 121 .....	1
Layout and Design .....		Bindery Operations .....	
Printing 111 .....	1	Printing 142 .....	2
Lettering .....		Layout and Design .....	
Military Science 111 .....	1	Military Science 121 .....	1
Elementary .....		Elementary .....	
	—		—
	18		18

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
Printing 252 .....	2	Printing 262 .....	2
Cylinder Presswork II .....		Cylinder Presswork III .....	
Printing 273 .....	3	Printing 283 .....	3
Machine Composition II .....		Machine Composition III .....	
Printing 232 .....	2	Printing 241 .....	1
Imposition and Lock-up .....		Machine Maintenance .....	
Printing 292 .....	2	Printing 221 .....	1
Typography III .....		Typography IV .....	
General Engineering 253 .....	3	Printing 243 .....	3
Business Management .....		Plant Management .....	
Printing 212 .....	2	Printing 222 .....	2
Estimating .....		Estimating .....	
Elective .....	3	Elective .....	3
Military Science 211 .....	1	Printing 282 .....	2
Elementary .....		Printing Production .....	
	—	Military Science 221 .....	1
	18	Elementary .....	
			—
			18

## RADIO TECHNOLOGY

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering Drawing 132 .....	2	General Engineering Drawing 142 .....	2
General Drawing .....		General Drawing .....	
General Engineering 133—Related Math. ..	3	General Engineering 143—Related Math. ..	3
English 103—Eng. for Trade Students .....	3	English 1X3—Eng. for Trade Students .....	3
Electricity 112—Electrical Theory .....	2	Electricity 122—Electrical Theory .....	2
Electricity 112A—Electrical Laboratory .....	2	Electricity 122A—Electrical Laboratory .....	2
Radio 113—Radio Laboratory .....	3	Radio 123—Radio Laboratory .....	3
Military Science 111—Elementary .....	1	Military Science 121—Elementary .....	1
	—		—
	16		16

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253 .....	3	General Engineering 263 .....	3
Business Management .....		Shop Management .....	
Electricity 102 .....	2	Radio 222—Test Instruments .....	2
Electrical Appliances .....		Mathematics 123—Trigonometry .....	3
Mathematics 113—College Algebra .....	3	Radio 222—Radio Theory .....	2
Radio 212—Radio Theory .....	2	Radio 225 .....	5
Radio 215—Radio Laboratory .....	5	Radio Laboratory .....	
Military Science 211—Elementary .....	1	Military Science 221—Elementary .....	1
	—		—
	16		16

## SHEET METAL

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering Drawing 132	2	General Engineering Drawing 122	2
General Drawing		Descriptive Geometry	
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
Sheet Metal 112	2	Sheet Metal 122	2
Sheet Metal Theory		Sheet Metal Theory	
Sheet Metal 115	5	Sheet Metal 125	5
Sheet Metal Laboratory		Sheet Metal Laboratory	
Military Science 111—Elementary	1	Military Science 121—Elementary	1
	<hr/> 16		<hr/> 16

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253	3	General Engineering 263	3
Business Management		Shop Management	
General Engineering Drawing 152	2	General Engineering Drawing 222	2
Sheet-Metal Drafting		Production Drafting	
Mathematics 113	3	Mathematics 123	3
College Algebra		Trigonometry	
Sheet Metal 212	5	Sheet Metal 222	2
Sheet Metal Theory		Sheet Metal Theory	
Sheet Metal 215	5	Sheet Metal 225	5
Sheet Metal Laboratory		Sheet Metal Laboratory	
Military Science 211—Elementary	1	Military Science 221—Elementary	1
	<hr/> 16		<hr/> 16

## SHOE REPAIRING

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
Shoe Repair 102—Drafting	2	Shoe Repair 1X2—Drafting	2
General Engineering 133	3	General Engineering 143	3
Related Mathematics		Related Mathematics	
English 103	3	English 1X3	3
English for Trade Students		English for Trade Students	
Shoe Repair 112	2	Shoe Repair 122	2
Shoe Repair Theory		Shoe Repair Theory	
Shoe Repair 115	5	Shoe Repair 125	5
Shoe Repair Laboratory		Shoe Repair Laboratory	
Military Science 111	1	Military Science 121	1
Elementary		Elementary	
	<hr/> 16		<hr/> 16

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253	3	General Engineering 263	3
Business Management		Shop Management	
Shoe Repair 202—Drafting	2	Shoe Repair 232—Drafting	2
Mathematics 113—College Algebra	3	Mathematics 123—Trigonometry	3
Shoe Repair 212—Shoe Repair Theory	2	Shoe Repair 222—Shoe Repair Theory	2
Shoe Repair 215—Shoe Repair Lab.	5	Shoe Repair 225—Shoe Repair Lab.	5
Military Science 211—Elementary	1	Military Science—Elementary	1
	<hr/> 16		<hr/> 16

## TAILORING

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
Tailoring 132—Drafting	2	Tailoring 142—Drafting	2
General Engineering 133—Related Math.	3	General Engineering 143—Related Math.	3
English 103—Eng. for Trade Students	3	English 1X3—Eng. for Trade Students	3
Tailoring 112—Tailoring Theory	2	Tailoring 122—Tailoring Theory	2
Tailoring 115—Tailoring Laboratory	5	Tailoring 125—Tailoring Laboratory	5
Military Science 111—Elementary	1	Military Science 121—Elementary	1
	<hr/> 16		<hr/> 16

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253 .....	3	General Engineering 263 .....	3
Business Management .....		Shop Management .....	
Tailoring 232 .....	2	Tailoring 242 .....	2
Drafting .....		Drafting .....	
Mathematics 113 .....	3	Mathematics 123 .....	3
College Algebra .....		Trigonometry .....	
Dry Cleaning 102 .....	2	Dry Cleaning 1X2 .....	2
Dry Cleaning Laboratory .....		Dry Cleaning Laboratory .....	
Tailoring 215 .....	5	Tailoring 225 .....	5
Tailoring Laboratory .....		Tailoring Laboratory .....	
Military Science 211 .....	1	Military Science 221 .....	1
Elementary .....		Elementary .....	
	—		—
	16		16

## WELDING

## FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering Drawing 132 .....	2	General Engineering Drawing 142 .....	2
General Drawing .....		General Drawing .....	
General Engineering 133 .....	3	General Engineering 143 .....	3
Related Mathematics .....		Related Mathematics .....	
English 103 .....	3	English 1X3 .....	3
English for Trade Students .....		English for Trade Students .....	
Welding 112 .....	2	Welding 122 .....	2
Welding Theory .....		Welding Theory .....	
Welding 115 .....	5	Welding 125 .....	5
Welding Laboratory .....		Welding Laboratory .....	
Military Science 111 .....	1	Military Science 121 .....	1
Elementary .....		Elementary .....	
	—		—
	16		16

## SECOND YEAR

First Semester	Hrs.	Second Semester	Hrs.
General Engineering 253 .....	3	General Engineering 263 .....	3
Business Management .....		Shop Management .....	
Machine Shop 112 .....	2	Sheet Metal 112 .....	2
Machine Shop Practice .....		Sheet Metal .....	
Mathematics 113 .....	3	Mathematics 123 .....	3
College Algebra .....		Trigonometry .....	
Welding 212 .....	2	Welding 222 .....	2
Welding Theory .....		Welding Theory .....	
Welding 215 .....	5	Welding 225 .....	5
Welding Laboratory .....		Welding Laboratory .....	
Military Science 211 .....	1	Military Science 221 .....	1
Elementary .....		Elementary .....	
	—		—
	16		16

## DESCRIPTION OF COURSES

## ARCHITECTURE

212-222. FREEHAND DRAWING. (0-6) *Credit 2.* I and II. Drawing of plants and objects; drawing from life in charcoal and pencil; training of eye and hand; application in architectural presentation and drawing.

213-223. ELEMENTS OF ARCHITECTURE. (0-9) *Credit 3.* I and II. Fundamentals of architectural design by their application in the original solution and presentation of simple architectural problems; and a study of Architectural Shades and Shadows.

242-243-252. ARCHITECTURAL DRAWING. (0-6) (0-9) *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.

313-323. ARCHITECTURAL DESIGN. (0-9) *Credit 3. I and II.* Design of small buildings; development of plan, based on definite requirements, fenestration, influence of materials and construction on design, and preparation of working drawings. Prerequisite: G. E. D. 222.

333-343. HISTORY OF ARCHITECTURE. (3-0) *Credit 3. I and II.* The development of architecture as related to human habitation; ancient, medieval, and modern architecture.

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

363. WORKING DRAWINGS. (0-9) *Credit 3. II.* Preparing working drawings and specifications for a small building.

383. BUILDING CONSTRUCTION. (3-0) *Credit 3. II.* Common methods of building construction; occasional visits to buildings under construction. Prerequisite: Civil Engineering 213.

410. INSPECTION TRIP. *No Credit.* Required of all Seniors.

433-443. ARCHITECTURAL DESIGN. (0-9) *Credit 3. I.* Continuation of Architecture 323, advanced problems, time problems, and rapid sketches at frequent intervals.

452. ARCHITECTURAL PRACTICE. (0-6) *Credit 2. I.* Special problems in architectural design and development; the preparation of building documents; interpretation of building codes, and analysis of documents; interpretation of the American Institute of Architects; office organization, client and contractor relationships.

#### CIVIL ENGINEERING

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

262. ELEMENTARY SURVEYING. (0-6) *Credit 2. II.* Use of Tape and chain, engineer's level and transit. Methods of surveying in field practice. Prerequisite: G. E. D. 222.

283. TOPOGRAPHIC SURVEYING. (1-6) *Credit 3. I.* Use of tape, transit and level; complete topographic survey, using the stadia method and plane table; astronomical observations for azimuth, time and latitude. Drafting of topographic maps from field notes. Prerequisite: Civil Engineering 262.

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

313. APPLIED MECHANICS I—STATICS. (3-0) *Credit 3. I.* 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.

323. APPLIED MECHANICS II—DYNAMICS. (3-0) *Credit 3. II.* Velocities and accelerations of various types of mechanics, rectilinear, and curvilinear translation of particles and rigid bodies, rotation of rigid bodies

about fixed axis, work energy and power, impulse and momentum, moments and products of inertia, and rigid bodies; elementary problems in vibrations. Prerequisite: Civil Engineering 313.

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

343. STRENGTH OF MATERIALS. (0-3) *Credit 3*. II. Engineering properties and behavior of standard engineering materials in stress strain tension and compression, torsion, shear, and moment, combined stresses and deflection; riveted joints, stresses in columns and the design of beams; use of engineering handbooks.

354. STRESS ANALYSIS I. (4-0) *Credit 4*. I. Analysis of stresses in statically determinate structures. Prerequisite: Registration in Civil Engineering 313.

362. SOILS AND FOUNDATIONS. (2-0) *Credit 2*. I. Physical properties of soil for foundations; the design and construction of foundations for pavements, bridges, and buildings. Prerequisite: Civil Engineering 313.

373. 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: C. E. 313.

383. 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 283.

410. INSPECTION TRIP. *Non Credit Course*; required of all seniors.

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

413. REINFORCED CONCRETE. (3-0) *Credit 3*. I. Properties of concrete, effect of water cement ratio, design of beams and floor systems. Rigid frame construction, columns. Prerequisite: C. E. 343.

414. STRUCTURAL DESIGN. (2-6) *Credit 4*. I. Theory of design and design of framed structures. Primarily building design. Prerequisite: Civil Engineering 354.

422. SEWERAGE. (2-0) *Credit 2*. II. Sewerage systems, surveys and plants, hydraulics, house sewerage, rainfall and storm-water flow, size and capacity of sewers, appurtenances, estimates, and specifications construction. Prerequisite: Civil Engineering 311.

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

462. GRAPHIC STATICS. (0-6) *Credit 2*. II. Graphical stress analysis of simple roof trusses and three hinged arches. This course is coordinated with Civil Engineering 354. Prerequisite: Civil Engineering 313.

453. STRESS ANALYSIS II. (3-0) *Credit 3*. II. Theory of statically indeterminate structures, secondary stresses and stressed-skin structures; stress in continuous, moveable, cantilever, suspension and steel-arch bridges; rigid and space frames. Prerequisite: Civil Engineering 354.



463. FOUNDATIONS. (3-0) *Credit 3*. II. Design of foundations for pavements, bridges, and buildings. Prerequisite: Civil Engineering 354.

473. HIGHWAY ENGINEERING. (3-0) *Credit 3*. I. Highway laws and the administration of street and highway improvements; the design and construction of streets and highways. Prerequisite: Civil Engineering 283.

483. GEOLOGY. (3-0) *Credit 3*. II. General principles of geology and their application to engineering problems. Prerequisite: Chemistry 124

493. 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.

#### 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 354.

#### ELECTRICAL ENGINEERING

213. ELECTRICITY AND MAGNETISM. (3-0) *Credit 3*. II. Problems and laboratory investigations in electricity and magnetism. Prerequisite: Mathematics 213.

311. DIRECT-CURRENT MACHINERY LABORATORY. (0-3) *Credit 1*. I. Characteristics of direct-current machines. Prerequisite of 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 networks; electrostatic circuits; wave analysis. Prerequisite: Physics 215, 225; Math. 223, and registration in mathematics 313.

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.

314. ALTERNATING-CURRENT CIRCUITS. (4-0) *Credit 4*. I. A mathematical treatment of alternating-current phenomena in single and poly-phase 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. (3-0) *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 of 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; measurement of radio frequency circuit parameters; wave propagation; performance of transmitters and receivers. Prerequisite: Senior standing in Electrical Engineering.

493. ELECTRICAL COMMUNICATIONS LABORATORY. (0-9) *Credit 3.* I. Experimental methods in the solution of communication problems; theory and use of modern laboratory instruments; vacuum tubes and their circuits, artificial lines, and other networks, radio frequency and acoustical measurements; practice in designing and constructing components of communication systems. Prerequisite: Senior standing in Electrical Engineering, registration in Electrical Engineering 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

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; and reports of engineering projects, industrial experiences and lectures by prominent men engaged in the profession.

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

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

173. MOTION PICTURE PROJECTION. (2-3) *Credit 3.* I. Operating 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.

253. BUSINESS MANAGEMENT. (3-0) *Credit 3.* I. Basic principles of business organization, operation, and management.

263. SHOP MANAGEMENT. (3-0) *Credit 3.* II. Problems of the supervisory staff of an industrial enterprise such as selection and arrangement of equipment, standardization, routing and dispatching cost and wage systems and other factors closely applied to production as well as job shop.

273. HOUSEHOLD MECHANICS. (2-3) *Credit 3.* I. Practical and theoretical training in the maintenance of various home appliances; the upkeep of household furnishings; fire protection, and minor repairs.

## 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, jig, 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 Engineering School.

## GENERAL ENGINEERING DRAWING

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.

112. ENGINEERING DRAWING. I. (0-6) *Credit 2*. I. Use of drafting instruments; freehand gothic and Roman lettering (vertical and inclined); introductory orthographic projection; isometric drawing; freehand technical sketching, dimensioning, and tracing with pencil on vellum tracing paper, and in ink on tracing cloth.

122. DESCRIPTIVE GEOMETRY. (0-6) *Credit 2*. II. Principles of descriptive geometry, as related to the projection of points, lines, planes, and solids, and their applications to problems of engineering and architecture; developments, intersections, double curved and warped surfaces. Prerequisite: Engineering Drawing 113.

132-142. GENERAL DRAWING. (0-6) *Credit 2*. I and II. Drafting to meet the needs of individuals taking trade and industrial work.

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: C. E. D. 122.

213. ENGINEERING DRAWING II. (1-6) *Credit 3*. 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 Drawing 212. Prerequisite: General Engineering Drawing 213.

283. DRAFTING-ROOM MANAGEMENT. (2-3) *Credit 3*. II. Organization and equipment of commercial drafting rooms; standards, orders, routing, checking alterations, filing, reproduction, library; and special problems in drafting.

## FOR UNDERGRADUATE AND GRADUATE CREDIT

562. ADVANCED DESCRIPTIVE GEOMETRY. (1-5) *Credit 2*. I, II. Graphical representation and the application of plane and space curves; advanced problems in single curved and doubled curved surfaces including the convolute and their developments; fundamentals of perspective and other pictorial means of representation.

## INDUSTRIAL EDUCATION

272-3. SHOP ORGANIZATION AND MANAGEMENT. (2-0) (3-0) *Credit 2 or 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.

313. PRINCIPLES OF INDUSTRIAL EDUCATION. (3-0) *Credit 3*. I. An introductory course in Industrial Education outlining present philosophical concepts of Industrial Education. A developmental study of the programs that make up modern Industrial Education, including Industrial Arts, Vocational Industrial Education, Apprenticeship and school-industry programs. An outline study of the teaching methods, organization systems, aims and objectives and requirements of prospective teachers of Industrial Education and probably future trends in the field of Industrial Education.

323. TEACHING PROBLEMS IN INDUSTRIAL EDUCATION. (3-0) *Credit 3*. II. Study of the problems that will confront a beginning Industrial Education teacher. A 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. (6-0) *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 Course I.E. 263.

#### FOR GRADUATE AND UNDERGRADUATE CREDIT

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 technic 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. 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. 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.

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. (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.

### \*VOCATIONAL-INDUSTRIAL EDUCATION

The following courses are designed to meet the certificate requirements of Vocational-Industrial Education teachers under the Smith-Hughes Act and the George-Borden 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 or 30 clock hours. Definition of vocation education, fields of vocational education; types of classes, requirements; the administration for vocational 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; and evaluation of various teaching methods; the adaptation of methods to types of lessons for effective instruction; the "4-step method" of presenting lessons; analysis for lesson content; preparation of lesson plans and practice teaching.

432. SHOP AND CLASSROOM ORGANIZATION AND MANAGEMENT. 45 clock hours. Organization plans for classrooms and shops for efficient instruction and management, including roll-keeping, grading, recording, and reporting systems; specifying, purchasing, receiving, storing, installing, and inventorying of tools, equipment, and supplies; heating, lighting, ventilation, sanitation and accident prevention; recitation and library centers; and 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

---

\* Offered in summer session only.

462. AIMS AND OBJECTIVES OF VOCATIONAL EDUCATION. 30 clock hours. A basic course for administrators, supervisors, and teachers; history and aims of vocational education; its economic, social, and educational values; different phases of vocational education; Federal and State laws; training of teachers.

472. SELECTION, PLACEMENT, AND FOLLOW-UP IN VOCATIONAL EDUCATION. 45 clock hours. Factors which influence the schooling, work opportunities, and educational objectives of young people; techniques of interviewing and advising young people in regard to vocational courses; factors affecting placement in suitable employment either part or full-time; methods of follow-up and coordination.

482. DEVELOPMENT AND USE OF VISUAL AIDS. 45 clock hours. The study of visual aids on the commercial market and their adaptability to vocational education; the development of types of visual aids and techniques teachers can use for more effective teaching. These are to include motion pictures, strip films, slides, sut-aways, blow-ups, mock-ups, posters, charts, pictures and blackboard illustrations.

492. PROBLEMS IN COOPERATIVE TRAINING. 45 clock hours. A review of the duties of the teacher-coordinator, with emphasis on the solution of actual problems; includes study of procedures and techniques involved in community surveys, interpretation of survey data, program expansion, guidance and counselling, and organization and coordination of all types of part-time and evening classes.

### MECHANICAL ENGINEERING

112. WELDING AND HEAT TREATMENT. (0-6) *Credit 2*. I. General metal work; gas and electric welding, the heat treatment of metals.

211-221. PATTERN MAKING, FOUNDRY AND WELDING. (0-3) *Credit 1*. I, II. Simple pattern layouts and construction of patterns; pattern storage; costs and weights of patterns and casting; kiln-drying and moisture content of pattern woods; the pattern-making industry; Cupolas; gas fired furnaces; moulding sands; coremaking; foundry layouts; and practice in moulding and casting both ferrous and non-ferrous metals; demonstrations on gas and electric welding; and the use of sound motion pictures.

212. WELDING ENGINEERING. (0-6) *Credit 2*. I or II. Welding processes; metallurgy, metallography, physical tests, and inspection of welds; design of weldments; application to the design and production of machines and structures. Prerequisite: Mechanical Engineering 112; sophomore standing.

222. HEAT TREATMENT OF METALS. (0-6) *Credit 2*. I or II. Heat treatment and metallurgy of steel and non-ferrous alloys; heat treating operations; microstructure and physical properties; hardenability, grain size testing, and machineability; heat treating operations as applied in production. Prerequisite: Mechanical Engineering 112; sophomore standing.

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.

323. HEAT POWER ENGINEERING. (3-0) *Credit 3*. II. Heat power engineering including steam engines, boilers, turbines, internal combustion engines, fuels and combustion, power plant equipment, and air compressors. Prerequisite: Mechanical Engineering 314.

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

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

351. PATTERN MAKING. (0-3) *Credit 1*. I. Design and production of wood and metal patterns; core making. Prerequisite: General Engineering Drawing 223, Mechanical Engineering 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 Drawing 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 341 and 343; Mechanical Engineering 333.

423. HEAT ENGINEERING. (3-0) *Credit 3*. II. Principles of thermodynamics; properties of gases; saturated and superheated vapors; fuels, combustion and flue gas analysis; steam boilers, engines, and their auxiliaries; steam turbines; condensers, pumps, compressed air and internal combustion engines. Prerequisite: Senior standing in Civil or Electrical Engineering.

424. HEATING, VENTILATING AND AIR CONDITIONING. (2-6) *Credit 4*. II. Steam boilers and water heaters; direct and indirect heating, gravity systems; district heating; ventilation an air analysis; air conditioning. Prerequisite: Mechanical Engineering 314.

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

463. INDUSTRIAL MANAGEMENT. (3-0) *Credit 3*. II. Problems of the industrial executive; 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

112-122; 115-125. ELEMENTARY AUTO MECHANICS. (0-6) (0-15) *Credit 2, 5*. I. and II. History and development of the automobile; care and use of tools and study of parts; general service testing and repairing lights, starters, generators, ignition systems, and carburetors.

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

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

## BROOM AND MATTRESS MAKING

112-115. ELEMENTARY BROOM AND MATTRESS MAKING. (0-6) (0-15) *Credit 2, 5*. 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.

122-225. ADVANCED BROOM AND MATTRESS MAKING. (0-6) (0-15) *Credit 2, 5*. 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.

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

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

## 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*. II. Continuation of Carpentry 117. Study and practice in the various methods, techniques and styles of framing; simple rafter cutting and stair building. (For Trade Students only).

217. ADVANCED CARPENTRY I. (2-15) *Credit 7*. I. Continuation of Carpentry 127. Advanced framing complex roof and stair construction; close-in and finished carpentry work studied and practiced; hardware and other utilities installed and studied. (For Trade Students only).

224. GENERAL CARPENTRY. (2-6) *Credit 4*. II. Designed for Industrial Education students. Information and skills in the laying out, framing, and finishing small frame buildings.

227. ADVANCED CARPENTRY II. (2-15) *Credit 7*. Continuation of Carpentry 217. The use of power machines in carpentry work; techniques of mass production in the manufacture of prefabricated homes; millwork techniques in the construction of cabinets, stairs, doors, windows, interior and exterior trim. (For Trade Students only).

## DRY CLEANING

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

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

## ELECTRICITY

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

112-122. ELEMENTARY ELECTRICITY. (0-6) *Credit 2*. I, 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. Electric and magnetic units and standards; direct current and low frequency measurements; theory, calibration, and use of laboratory standards, and of potential transformers, and portable direct-current and alternating current instruments; magnetic flux density 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

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

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

#### MACHINE SHOP PRACTICE

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

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

115-125. METALWORK. (0-15) *Credit 5*. I or II. Use and 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.

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

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

215, 222-225. ADVANCED MACHINE SHOP PRACTICE. (0-15) (0-6) (0-15) *Credit 5, 2, 5*. 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.

#### MASONRY

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

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

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

212-222. GENERAL MASONRY. (0-6) *Credit 2*. I and II. A continuation of Masonry 112-122. Application of the techniques acquired in Course 122.

215-225. BRICKLAYING, PLASTERING, AND CONCRETE. (0-15) *Credit 5*. I and II. Continuation of Bricklaying and Plastering 115-125. Brick construction; foundations, fireplaces, mantels, veneer construction, store fronts, arches, and steps; and furnace work for boilers; plastering; straight wall, angles, Keene's cement finishing, and imitation tile marking for bathrooms; Portland cement; preparation and uses of concrete; laying of jobs from blueprints and sketches, and making estimates of materials to be used in brickwork, plastering, and concrete jobs.

## PAINTING

112. ELEMENTARY PAINTING. (0-6) *Credit 2*. I. Various kinds of paints, varnishes, stains, lacquers, and their ingredients; the relation and recognition of colors; tools, equipment and their uses; practical experience.

115. ELEMENTARY PAINTING. (0-15) *Credit 5*. I. Various kinds of paints, varnishes, stains, lacquers, and their ingredients; the relation and recognition of colors; tools, equipment and their uses; practical experience.

122. ELEMENTARY PAINTING. (0-6) *Credit 2*. II. Preparation of exterior surfaces; mixing and applying paints; the effect of weather conditions upon a paint job; color analysis and color matching; practical experience.

125. ELEMENTARY PAINTING. (0-15) *Credit 5*. II. Preparation of exterior surfaces; mixing and applying paints; the effect of weather conditions upon a paint job; color analysis and color matching; practical experience.

212. ADVANCED PAINTING. (0-6) *Credit 2*. I. Preparing interior surfaces; blending colors with furniture; effects of position and light upon interiors; modernistic wall finishing; practical experience.

215. ADVANCED PAINTING. (0-15) *Credit 5*. I. Preparing interior surfaces; blending colors with furniture; effects of position and light upon interiors; modernistic wall finishing; practical experience.

222. ADVANCED PAINTING. (0-6) *Credit 2*. II. Simple steps in paper hanging; shop management and furniture finishing; estimating and practical experience.

225. ADVANCED PAINTING. (0-15) *Credit 5*. II. Simple steps in paper hanging; shop management and furniture finishing; estimating and practical experience.

312. PAPER HANGING OR FURNITURE FINISHING. I. (0-6) *Credit 2*. I. Estimating and extensive practice. Prerequisites: Painting 312, 122 and 222.

322. PAPER HANGING OR FURNITURE FINISHING. II. (0-6) *Credit 2*. II. Estimating and extensive practice. Prerequisite: Painting 312.

## PLUMBING AND STEAM FITTING

112. INDUSTRIAL PLUMBING. (0-6) *Credit 2*. I. Care and use of tools; measuring, cutting, and threading steel pipe; repairing faucets and cocks; soldering, grading, and laying sewer lines.

115. ELEMENTARY PLUMBING. (0-15) *Credit 5*. I. Care and use of tools; plumbing and heating layouts; measuring, cutting and threading steel pipe; cutting and caulking cast iron pipe.

122. INDUSTRIAL PLUMBING. (0-6) *Credit 2*. II. Roughing in for, and setting fixtures for small jobs; material bills, lead work.

125. ELEMENTARY PLUMBING. (0-15) *Credit 5*. II. Leadwork; roughing in for, and setting fixtures on small plumbing and heating jobs; tapping and venting.

215. ADVANCED PLUMBING. (0-15) *Credit 5*. I. Small heating systems; installation of boilers of one-and two-pipe heating systems; transmission lines, layouts and codes, etc.

225. ADVANCED PLUMBING. (0-15) *Credit 5*. II. Making estimates for labor and material for small plumbing and heating jobs; distribution of hot and cold water; estimating yearly supplies for boarding schools.

#### PRINTING

111. LETTERING. (3-0) *Credit 1*. I. Fundamental Roman letter forms; projects to develop skill in the drawing of letters for layout and reproduction purposes.

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. COLOR. (0-3) *Credit 1*. I. Pigments and theory of color mixing and matching; Munsell system of color standardization; selection, harmony and balance as related to Graphic Arts.

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 copy-fitting.

142. LAYOUT AND DESIGN. (0-6) *Credit 2*. II. The designing of blotters, folders, broadsides, booklets, brochures, etc.; their functions, 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) or (0-9) *Credit 2, 3*. II. Advanced makeready on halftones and more intricate work; introduction to automatic platen press.

182. MACHINE COMPOSITION. (0-6) *Credit 2*. II. Elementary phases of linotype operation; keyboard fingering, and practice in setting from simple copy.

212. ESTIMATING. (2-0) *Credit 2*. II. Application of the elements of cost-finding to jobs of printing in process.

221. TYPOGRAPHY. (0-3) *Credit 1*. II. Craftsmanship and efficiency in handling typical jobs; creative and experimental typography.

241. MACHINE MAINTENANCE. (0-3) *Credit 1*. I. Functions of the devices comprising the Linotype machine; dissection, reassembly, adjustment of parts and correction of difficulties.

292. TYPOGRAPHY. (0-6) *Credit 2*. I. Accepted trade practices in handling typical jobs; training in the application of principles in experimental typography; instruction and practice in mark-up.

232. IMPOSITION AND LOCKUP. (0-6) *Credit 2*. I. Making up of different kinds of type and combination forms; imposition and lockup beginning with simple forms and progressing to more complex ones.

243. PLANT MANAGEMENT. (3-0) *Credit 3*. II. Solution of problems of finance, profits, plant layout, equipment, operation, and employee relations.

222. ESTIMATING. (2-0) *Credit 2*. I. Estimating time on all classes of composition, presswork, binding, paper, halftones, etc.

252 or 253. CYLINDER PRESSWORK. (0-6) or (0-9) *Credit 2, 3*. I. Advanced presswork makeready and feeding, including newspaper and book work; press mechanism and adjustments. Introduction to simple color work.

262 or 263. CYLINDER PRESSWORK. (0-6) or (0-9) *Credit 2, 3*. II. Operation and care of large cylinder presses; makeready of halftone and process color work.

272 or 273. MACHINE COMPOSITION. (0-6) or (0-9) *Credit 2, 3*. I. Accuracy, development of speed, correct handling of straight matter, simple tabular work, and moderately complex composition.

282 or 283. MACHINE COMPOSITION. (0-6) or (0-9) *Credit 2, 3*. II. The development of trade accuracy and speed; understanding and practice of accepted typographic usage; setting for color separation, headings, display and advertising matter; twin-matter composition; work in the routine care of machines.

292 or 293. PRINTING PRODUCTION. (0-6) or (0-9) *Credit 3*. II. Planning, estimating, scheduling and complete manufacture of printing jobs.

#### RADIO REPAIR

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. and II. Measuring and testing instruments: Vacuum tube voltmeters, output meters, frequency meters, signal generators, and cathode-ray oscilloscopes; analysis and interpretation of measurement results; "trouble-shooting" and repairing commercial radios.

123. RADIO THEORY. (3-0) *Credit 3*. II. Inductance, inductors, transformers; capacitance, condensers, and vacuum tubes.

183. CIRCUITS 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; superheterodyne 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.

*For Graduate and Undergraduate Credit*

523. RESEARCH AND PROBLEMS. (0-9) *Credit 3*. I. Every student taking Radio Repair as a trade must select some problem or project in which he is interested and must do intensive research work on it. The result of his project or problem must be written and presented in the regular seminar.

SHEET METAL WORK

112-115, 122-125. ELEMENTARY SHEET METAL. (0-6) (0-15) *Credit 2, 5*. I and II. Templates, soldering, brazing, seaming, and study and use of sheet and bar material.

212-215, 222-225. ADVANCED SHEET METAL. (0-6) (0-15) *Credit 2, 5*. I and II. Different types of sheet and wrought-iron works as applied to furniture, building construction, heating ducts, and ornament; welding and brazing. Prerequisite: Course 125.

SHOEMAKING AND REPAIR

112-115. SHOEMAKING. (0-6) (0-15) *Credit 2, 5*. I. Care of shop; care and use of tools; making bristled waxed thread ends; sewing with hand sewing awl; tempering sole leather; moulding whole and half soles for bottom use; fitting half soles; sewing rips in upper and soles by hand.

122-125. SHOEMAKING. (0-6) (0-15) *Credit 2, 5*. I. Selection of lasts to correct the shape of shoes to be repaired; nailing soles previously fitted; repairing leather and wood heels; lock stitching; trimming edges by hand; classification 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.

202-232. DRAFTING. (0-6) *Credit 2*. I and II. Drafting patterns for insoles, uppers and various parts of shoes and other footwear.

212-215. SHOEMAKING. (0-6) (0-15) *Credit 2, 5*. I. The care of the finishing machine; fitting and preparing cement soles; repairing light half soles on shoes; the history of footwear; fitting insoles; repairing turn soles by the turn method; sewing welts; putting on plain bottoms; stitching soles with machine and trimming and finishing edges with machine.



222-223. SHOEMAKING. (0-6) (0-15) *Credit 2, 5.* 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.

#### STATIONARY ENGINEERING.

112. ELEMENTARY STATIONARY ENGINEERING. (0-6) *Credit 2.* I. Nomenclature of power plant equipment and tools; steam fittings, and heat insulation; choice and application of lubricants; steam boilers, types, settings and operation.

122. ELEMENTARY STATIONARY ENGINEERING. (0-6) *Credit 2.* II. Reciprocating engines, air compressors, mechanical drives; generation of electrical energy; steam heating systems and accessories; reading and testing of meters and gauges; power plant switchboards.

212. ADVANCED STATIONARY ENGINEERING. (0-6) *Credit 2.* I. Steam turbines, condensers and turbine accessories, refrigeration, ice making, air conditioning, plant repair work; steel and bronze welding, soldering, babbitting, and machine tool work.

222. ADVANCED STATIONARY ENGINEERING. (0-6) *Credit 2.* II. Erection of power plant equipment; hoisting apparatus, and application of slings, hitches, jacks, cribbing, skills, and rollers to heavy machinery; cost of erection; plant records, management of a power plant.

#### TAILORING AND GARMENT MAKING

112-115. ELEMENTARY TAILORING. (0-6) (0-15) *Credit 2, 5.* I. Names and uses of various stitches; trouser measurements; the tailor's square and its uses; trouser cutting.

122-125. ELEMENTARY TAILORING. (0-6) (0-15) *Credit 2, 5.* I. Trouser drafting, trimming and making; serges and worsted; use and care of tailoring machines, skirt drafting, cutting and making.

132-142. DRAFTING. (0-6) *Credit 2.* I and II. Use of drafting instruments; taking measurements; the drafting of trousers, knickers, coats and ladies skirts; general drafting and designing.

212-215. ADVANCED TAILORING. (0-6) (0-15) *Credit 2, 5.* I. Coat and vest measurements; direct and proportionate, vest cutting, drafting and making; collar and canvas construction.

222-225. ADVANCED TAILORING. (0-6) (0-15) *Credit 2, 5.* II. Coat Cutting, trimming, drafting and making; alterations and repairs; hand and machine made coats; method of lining and relining.

232-242. ADVANCED DRAFTING. (0-6) *Credit 2.* Continuation of Course 142, including advanced and special problems.

#### WELDING

112-115, 122-125. ELEMENTARY WELDING. (0-6) (0-15) *Credit 2, 5.* I. Care, use and operation of electric welding machines; single and multiple beading in flat position; vertical and all position welding.

212-215, 222-225. **ADVANCED WELDING.** (0-6) (0-15) *Credit 2, 5. II.* The advanced phases of electric welding; hard surfacing; welding of non-ferrous metals; methods of testing for strength; theory and practice of oxyacetylene welding and cutting.

#### WOODWORK

112-122. **GENERAL WOODWORK** (0-6) *Credit 2. I and II.* An exploration of the woodwork field and a study of its related socio-economic problems. The development of an appreciation for wood and its aesthetic qualities through the construction of general small projects using correct tools, materials and operational procedures. (For industry students 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 and 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 and II.* Production method in the use of power machines. Practical experience with the techniques of modern mass production. Prerequisite: Woodwork 114-214.

322. **PATTERN MAKING.** (0-6) *Credit 2. II.* Care and use of bench and machine tools used in pattern making, materials used in the making of patterns; meaning, use and construction of patterns to illustrate principles of draft, shrinkage, finish, warp, and core prints.

323. **WOOD TURNING.** (1-6) *Credit 3. II.* Proper care and use of the lathe and lathe tools; the principles of cutting and scraping; the making of projects with emphasis on good design. Prerequisite: Woodwork 214.

414. **FURNITURE AND CABINETMAKING.** (2-6) *Credit 4. I.* Advanced course with emphasis on art and design in furniture construction. Actual construction of period and modern style furniture.

## 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, an inexpensive watch with a second hand, and an inexpensive clinical thermometer.

### HEALTH

All students of Nursing Education, when ill receive the professional services of the hospital physicians. However, time above two weeks lost through illness or any other cause must be made up.

### VACATION

A vacation of three weeks is given each year during the summer.

### SPECIAL REQUIREMENTS

In addition to the completion of an acceptable 4-year high school course of study the following special requirements must be met by those who desire to enter the Division of Nursing Education.

1. Applicants must be 17 years old upon entrance to the division and under 30.
2. Applicants must have a thorough pre-entrance physical examination as evidence of physical fitness.
3. Applicants will be required to take a pre-nursing and guidance test given by the National League of Nursing Education, for which a fee of \$5.00 is paid.

### JEFFERSON DAVIS HOSPITAL SCHOOL OF NURSING 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 SESSION—SIXTEEN WEEKS

Nursing Ed. 103	Sociology for Nurses	54	3	0	3
Nursing Ed. 374	Medical and Surgical Nursing	54			

## SECOND YEAR

Spent at Jefferson Davis Hospital, Houston, Texas

## SECOND YEAR—FIRST SEMESTER

Groups I and II

		Clock Hrs.	Lec.	Lab.
Medical and Surgical Nursing II	Groups III and IV	163	9	0
Operating Room Technique		15	1	0
Medical Nursing (Group III)		82	4 1-2	0
Psychiatric Nursing (Group III)		54	3	0
Obstetrics (Group IV)		36	2	0

## SECOND YEAR—SECOND SEMESTER

Groups I and II

Operating Room Technique	Groups III and IV	15	1	0
Obstetrics (Group III)		36	2	0
Medical Nursing (Group IV)		82	4 1-2	0

## SUMMER SESSION

Groups I

Obstetrics (Group I)	Groups III and IV	36	2	0
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)		36	2	0
Public Health Nursing		36	2	0
Psychiatric Nursing		54	3	0
Professional Adjustments II		36	2	0

Groups III and IV

Surgical Nursing (Group III)		81	4 1-2	0
Public Health Nursing		36	2	0
Psychiatric Nursing (Group IV)		54	3	0
Professional Adjustments II		36	2	0

## THIRD YEAR

Six months spent at Jefferson Davis Hospital in Houston, Texas, and six months spent at Prairie View Hospital.

Six months at Jefferson Davis Hospital

Public Health Nursing	36
Professional Adjustments II	36
*Psychiatric Nursing	54

Six months at Prairie View Hospital

Electives in Area of Specialization

Ward Management

Communicable Diseases

Out Patient Department, etc.

These electives are to be worked out in consultation with the Educational Director of Jefferson Davis Hospital and the Superintendent of Nurses at Prairie View Hospital.

\* May be taken second semester of second year or first semester of third year.

## DEGREE CURRICULUM

## FIVE-YEAR COURSE\*

\*(Students should complete the three year course for the nursing diploma and certificate from the State Board of Nurse Examiners before commencing work on the degree curriculum.)

## FOURTH YEAR

## FIRST SEMESTER

Course No.	Title	Hrs.	Lec.	Lab.	Sem. Hrs. Cr.
English 213	Public Address	54	3	0	3
Mathematics 173	Math. Analysis	54	3	0	3
Education 113	Introduction to Education	51	3	0	3
Sociology 213	Introductory to Sociology	54	3	0	3
Biology 354	Historical Technique	108	2	4	4
Pol. Science 263	National Government	54	3	0	3
Nursing Ed. 412	412 Clinical Practice—Ward Supervision	216	0	12	0

## SECOND SEMESTER

Sociology 333	Social Psychology	54	3	0	3
Pol. Science 203	State Government	54	3	0	3
Mathematics 183	Applied Math. Analysis	54	3	0	3
Economics 203	Survey of Consumer Economics	54	3	0	3
English 213	World Literature	54	3	0	3
History 463	Negro History	54	3	0	3
Nursing Ed. 412	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	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.

124. MICROBIOLOGY AND PATHOLOGY. (2-4) *Credit 3*. II. 108 hours. Habits and morphology of microorganisms emphasizing those of pathogenic character, sources, modes, prevention of infection, disinfection and asepsis, important tissue changes occurring in the healing process, infections and neoplasms, clinical microscopy of the blood and blood grouping, kidney function and urinalysis.

126. ADVANCED NURSING ARTS. (2-4) *Credit 4*. II. 144 hours. Continuation of Nursing Education 116.

132. HISTORY OF NURSING. (3-0) *Credit 3*. 54 hours. I. Historical development of nursing from its early conception to modern times.

140. CLINICAL PRACTICE. (0-40) *No semester hours credit*. Summer session. Elementary nursing practices in which the theories of nursing are applied in laboratory practice.

143. NUTRITION, FOODS, COOKERY. (2-2) *Credit 3*. 72 hours. I. Normal adult nutrition and food preparation, nutritive values of foods, planning of balanced diets according to age, physical activities, climate.

153 and 163. ANATOMY AND PHYSIOLOGY. (3-0) *Credit 3*. 108 hours. I and II. Form, structure and function of the human body as an essential prerequisite to the study of health, nutrition, and pathological changes due to disease.

182 and 192. PHARMACOLOGY AND THERAPEUTICS. (2-0) *Credit 3*. I. and II. 72 hours. Fundamental weights, measures, terms, and symbols used in the preparations and administration of drugs, common antiseptics, disinfectants and other solutions. Commonly used drugs, their preparation, dosage administration, physiological therapeutic actions, idiosyncrasies, cumulative and minor symptoms, antidotes and emergency treatment; emphasis on the accurate administration of drugs and careful observation of their effects through supervised practice.

374. MEDICAL AND SURGICAL NURSING. I. (3-3) *Credit 3*. 54 hours. Principles of medical and surgical nursing as applied to the care of medical and surgical patients through lectures, clinics and demonstrations; instruction and practice are broken down as follows:

- |                                   |          |
|-----------------------------------|----------|
| 1. Introduction .....             | 10 hours |
| 2. Respiratory Nursing .....      | 18 hours |
| 3. Gastrointestinal Nursing ..... | 26 hours |

403. DIET THERAPY. (2-2) *Credit 3*. I. 72 hours. Underlying principles of treatment of diseases by means of special dietaries. This course is supplemented by conference work during the students' practice in medical and surgical nursing. Lectures, recitation, and laboratory.

423. OPERATING ROOM TECHNIQUE. (2-2) *Credit 3*. I. 72 hours. The Principles of surgical aseptic technique. Planned to develop dexterity and intelligent response in assisting with operations and meeting surgical emergencies in the operating room.

412. CLINICAL PRACTICE—WARD SUPERVISION. (0-12) *No semester hours credit*. I and II. 432 hours. Practice in supervising the wards and instructing beginning nurses. Open to registered nurses. Conferences and consultations in ward supervision. 216 hours each semester.

418. CLINICAL PRACTICE—HOSPITAL MANAGEMENT. (0-18) *No semester hours credit.* Practice in hospital management and supervision of nurses. Conferences and consultations with the Superintendent of Nurses and Superintendent of hospital.

#### PSYCHOLOGY FOR NURSING EDUCATION

103. ELEMENTARY PSYCHOLOGY AND ABNORMAL BEHAVIOR. (3-0) *3 semester hours credit.* 54 hours. Human behavior and the underlying principles of mental adjustments, habit formation, deviations in behavior of adults and children due to organic and sociological factors, and the nursing care necessary in assisting patients in making more adequate adjustments during illness. A study of the student's own personality; scientific basis by which student can get better understanding of behavior of herself and her co-workers and patients. Lectures and recitations.

#### GENERAL CHEMISTRY FOR NURSING EDUCATION

104. GENERAL INORGANIC CHEMISTRY FOR NURSES. (2-4) Fundamental principles of inorganic and physiological chemistry with special application to nursing practice. Studies in the general composition of the blood, urine, digestion and utilization of foods are included. Lectures, demonstration, laboratory.

#### ENGLISH

113 and 123. GRAMMAR AND COMPOSITION, ORAL AND WRITTEN COMMUNICATION. *Credit 3 hours each semester.* 108 hours. Note: These courses are offered by the English Department and required by all students of the College. See English Department for course description.

#### SOCIOLOGY

323. SOCIOLOGY FOR NURSES. (3-0) *Credit 3.* A concrete treatment of sociological facts and principles which will give a social setting for the profession of Nursing.

## CORRESPONDENCE DEPARTMENT

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: Noble's *Accounting Principles*, Fourth Edition (Southwestern Publishing Company, Cincinnati and Dallas, \$4.50). Prerequisite: Sophomore standing.

263. ACCOUNTING. *Credit 4.* Continuation of 253. Prerequisite: BA 253.

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

### ECONOMICS

213. PRINCIPLES OF ECONOMICS. *Credit 3.* Survey of the field of economics, dealing with basic economic principles and practices.

### EDUCATION

283. INTRODUCTION TO EDUCATIONAL PSYCHOLOGY. *Credit 3.* Topics in educational psychology relating to an understanding of the learning process and the conduct of children. Textbooks: Douglas and Holland's *Fundamentals of Educational Psychology* (The Macmillan Company, New York and Dallas, 1938, \$4.50); Mursell's *Educational Psychology* (W. W. Norton and Company, New York, 1939, \$3.50).

113. INTRODUCTION TO EDUCATION. *Credit 3.* Prerequisite to other courses in education, professional problems of education. Textbooks: Reeder's *A First Course in Education*, Revised Edition, 1945 (The Macmillan Company, New York and Dallas \$4.25); and Russell and Judd's *The American Educational System* (Houghton Mifflin Company, New York and Dallas, \$3.25)

243. RURAL SCHOOL METHODS. *Credit 3.* Improvement of rural school instruction; use of environment.



313. PRINCIPLES OF SECONDARY EDUCATION. *Credit 3.* Development of secondary school and its organization. 15 lessons. Textbooks: Billett's *Fundamentals of Secondary School Teaching*, 1940 (Houghton Mifflin Company, Boston, \$4.00); Bossing's *Progressive Teaching in Secondary School* (Houghton Mifflin Company, Boston, \$4.00). Prerequisite: Education 103 and 113 and sophomore standing; for home economics students, HE 113 Orientation and sophomore standing.

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 \$4.00); Conklin's *Principles of Adolescent Psychology* (Henry Holt and Company, New York, \$3.25); Baker's *Introduction to Exceptional Children* (The Macmillan Company, New York and Dallas, \$4.50). Prerequisite: Education 103 and 113 and sophomore standing; for home economics students HE 113 Orientation and Education 113 and sophomore standing.

383. EDUCATIONAL PSYCHOLOGY. *Credit 3.* Educationally significant factors involved in the interaction of pupils, teachers, administrators and community. Textbooks: Douglas and Holland's *Fundamentals of Educational Psychology* (The Macmillan Company, New York and Dallas, 1938, \$4.50); Goodenough's *Developmental Psychology* (D. Appleton-Century Company, New York 1934, \$4.00); 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

553. ADMINISTRATION AND SUPERVISION OF RURAL SCHOOLS. *Credit 3.* Training in the work of the rural principal, the county superintendent, and the supervisor of rural schools; basic principles and problems of organizing and administering education in the county and the rural district; rural administration and supervision of rural schools. Prerequisite: Six hours of advanced education.

563. GUIDANCE OF THE PRE-SCHOOL CHILD. *Credit 3.* Prerparation 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 Shuster, 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, an original theme, and an examination). Textbooks: Smith, Stanley and Hughes' *Junior High School Educa-*

tion (McGraw-Hill Book Company, New York, \$4.00); Gruhn and Douglass' *The Modern Junior High School* Roland Press, New York, \$4.00). 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*, Fourth Edition, 1937 (The Macmillan Company, New York and Dallas, \$3.75); Scott and Zeitlin's *College Readings in English Prose*, Third Edition, 1935 (The Macmillan Company, New York and Dallas, \$3.00); Woolley 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*, Fourth Edition, 1937 (The Macmillan Company, New York and Dallas, \$3.75); Scott and Zeitlin's *College Readings in English Prose*, Third Edition, 1935 (The Macmillan Company, New York and Dallas, \$3.00); Schweikert's *Short Stories*, Enlarged Edition, 1934 (Harcourt, Brace and Company, New York, \$1.40).

343. ENGLISH COMPOSITION: 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, \$2.50); Kern and Greggs' *This America* (The Macmillan Company, New York and Dallas, \$2.90). 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

113. ELEMENTARY FRENCH. *Credit 3.* The linguistic foundation of the French language; mastery of phonetics; special emphasis on verbs and idiomatic usage. Textbooks: Fraser, Squair and Parker's revised *Elementary French Grammar* (D. C. Heath and Company, Boston and Dallas, \$2.50); Lyons and Wiley's *Reading French* (Henry Holt and Company, New York and Dallas, \$2.25).

123. ELEMENTARY FRENCH. *Credit 3.* Continuation of French 113. Textbooks: Same as for French 113.

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, \$2.50);

Halen's *l' Abbe Constantin* (American Book Company, New York, \$1.00); Hugo's *Gavroche* (Oxford University Press, New York, 90 cents.)

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, \$2.50); 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: Williams' *Technical and Scientific French* (D. C. Heath and Co., Boston and Dallas, \$2.50); Aveline's *Victure 7, Place 15* (Henry Holt and Co., New York, \$1.40).

### 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; Finch, Trewartha, and Shearer's *The Earth and Its Resources*, McGraw Hill Book Co., 1943. Recommended for all students who plan to concentrate in physical geography.

313. GEOGRAPHY OF SOVIET SPHERE. *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; S. van Valkenburg, *Europe*, John Wiley and Sons, 1936; Denoyer-Geppert's *School Atlas H. 92* and *Soviet Russia in Maps*. 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, and Goodes *School Atlas*. 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, \$3.50). 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*, 1934 (Harcourt, Brace and Company, New York, \$5.00); 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*, Revised Edition, 1942 (Henry Holt and Company, New York, \$5.00).

## 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, \$5.50); Sellery and Krey's *Medieval Foundations of Western Civilization*, 1929 (Harper and Brothers, New York, \$3.75); Boak, Hyma, and Slossan's *The Growth of European Civilization*, Volume 1, 1938 (F. S. Crofts, New York, \$3.50); and Robinson's *Reading in European History*, Volume I, 1906 (Ginn and Company, New York and Dallas, \$3.50).

133. EUROPE 1500-1914. *Credit 3.* Europe from the Protestant Reformation to World War I. Textbooks: Riker's *A Short History of Modern Europe*, 1935 (The Macmillan Company, New York and Dallas \$4.00); Boak, Hyma and Slossan's *The Growth of European Civilization*, Volume 11, 1938 (F. S. Crofts, New York, \$3.50); Packard's *The Age of Louis XIV*, 1929 (Henry Holt and Company, New York, \$1.40); Andrew's *Parliamentary Reform in England 1830-1832*, 1927 (F. S. Crofts and Company, New York, 75 cents; 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. Textbooks: Harlow's *The Growth of the United States*, Volume I: *The Establishment of the Nation Through the Civil War*, Revised Edition (Henry Holt and Company, New York, or Lone Star School Book Depository, Dallas, \$3.90); Faulkner's *American Economic History* (Harper and Brothers, New York \$4.50). Prerequisite: Sophomore standing.

223. THE UNITED STATES, 1837-1898. *Credit 3.* Survey period of Bourgeoise revolution and rise of group democracy in America. Text-

books: Harlow's *The Growth of the United States*, Volume II: *The Expansion of the Nation*, 1865-1943, Revised Edition (Henry Holt and Company, New York, or Lone Star School Book Depository, Dallas, \$3.90); Faulkner's *American Economic History* (Harper and Brothers, New York, \$4.50). 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 and Krickenberger's *Solid Geometry*, Revised Edition (Ginn and Company, New York and Dallas, \$1.80).

113. COLLEGE ALGEBRA. *Credit 3*. Selected topics from standard algebra. Textbook: Rider's *College Algebra* (The Macmillan Company, New York and Dallas, \$3.20).

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, \$2.90). 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, \$4.25).

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, \$3.75). 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*, 1936 (Doubleday, Doran and Company, New York, \$4.00). Prerequisite: six semester hours in Education and Biology 114 or 354 or Physical Education 473.

#### PHYSICS

214. GENERAL PHYSICS. *Credit 4.* Mechanics, heat, sound, electricity and light. The lecture portion of Physics 214 may be taken by correspondence in two separate correspondence courses, 214 and 224, comprising the first and second semester's work, respectively. The laboratory work

will have to be done in residence, either during the Summer Session or the Long Session. Degree credit will be given only when both the laboratory and lecture work have been completed. Textbook: Spinney's *Textbook of Physics*, Fifth Edition (The Macmillan Company, New York and Dallas, \$4.50).

224. GENERAL PHYSICS. *Credit 4.* Continuation of Physics 214.

#### PSYCHOLOGY

103. ELEMENTARY PSYCHOLOGY. *Credit 3.* Principles of human behavior and their application. Prerequisite: Sophomore standing.

#### SOCIOLOGY

213. INTRODUCTION TO SOCIOLOGY. *Credit 3.* General phenomena of human society; fundamental social processes and social problems. Textbook: Dawson and Getty's *Introduction to Sociology*, 1935 Edition (The Ronald Press, New York, \$5.00). Prerequisite: Sophomore standing.

#### SPANISH

113. ELEMENTARY SPANISH. *Credit 3.* Principles of pronunciation and grammatical construction; principles previously learned; reproduction of materials from dictation. Textbooks: Barlow's *Basic Spanish* (F. S. Crofts and Company, New York, \$1.90); Pittaro and Green's *Veinte Cuentos Divertidos* (D. C. Heath and Company, Boston and Dallas, \$1.50).

123. ELEMENTARY SPANISH. *Credit 3.* Continuation of Spanish 113. Prerequisite: Spanish 113.

213. ADVANCED GRAMMAR AND READING. *Credit 3.* Galland and Brenes-Mesen's *Spanish Grammar Review*; grammar review; idioms and idiomatic usage, conversation, memorization and practice in reading; reading and translation. Examination will include sight reading and translation. Prerequisite: Spanish 113 and 123. Textbooks: (The books for this course will cost about \$3.50).

223. ADVANCED GRAMMAR AND READING. *Credit 3.* Continuation of Spanish 213. (The additional books will cost about \$2.25). Prerequisite: Spanish 213.

## PRAIRIE VIEW EXTENSION SCHOOLS

The College offers extension courses in centers in Texas where a sufficient number of persons, approved by the county and city superintendents, are interested enough in one or more subjects to merit making such arrangement possible. The time devoted to each course is 36 clock hours per quarter and the schools usually run two quarters. The classes are designed primarily to meet the needs of in-service teachers on the graduate and undergraduate levels, but this does not preclude enrollment of other qualified professional or non-professional persons. In-service full-time teachers are not permitted to carry more than two courses. No student may register for more than three courses. The entrance requirements are the same as those for the resident students. At present there are 16 extension schools in operation in Austin, Bastrop, Beaumont, Brenham, Bryan, Corsicana, Cuero, Fort Worth, Galveston, Jasper, Mexia, Port Arthur, San Antonio, Texarkana, Tyler (Texas College), and Van Vleck.

## TEXAS EXTENDED SCHOOL AND COMMUNITY HEALTH EDUCATION PROGRAM

The Texas program for health improvement is designed to combine the efforts of five colleges and universities, which, in turn, would set up demonstration schools in their respective areas. These demonstration schools and communities under the leadership of each of these institutions were expected to point toward a functional health improvement program for the colleges and universities and public schools and communities throughout the state.

The State health program is sponsored by the State Department of Education under the direct supervision of the State Superintendent of Public Instruction and with the approval and cooperation of the State Health Officer. The program is financed jointly by the W. K. Kellogg Foundation and the five participating colleges and universities which are: North Texas State Teachers College, Prairie View A. & M. College, Stephen F. Austin State Teachers College, Texas State College for Women and the University of Texas.

Prairie View A. & M. College is meeting its responsibility in this state program by providing a Coordinator of Health Education whose immediate services and that of related personnel are extended to the development of a state-wide program of health improvement.

Demonstration Centers were set up in several areas of the state in an effort to point toward a functional health improvement program granted to qualified participants in this field work program in the hope of which might be exemplified in every area of the state. Graduate credit is stimulating a healthy interest in school and community improvement. Consultation Services in health education and related areas are extended to the various schools and communities throughout the state.

# ENROLLMENT

## REGULAR SESSION 1949-50

ABBREVIATIONS: Ag—Agriculture; A&S—Arts and Sciences; HE—Home Economics; MA—Mechanic Arts; NE—Nursing Education

SYMBOLS: 1—Freshmen; 2—Sophomores; 3—Junior; 4—Senior; Spec—Special; Uncl—Unclassified; Grad—Graduate Study; \*—Veteran; 1T—First Year Trade; 2T—Second Year Trade.

ATTENDANCE: (1) Indicates that student attended first semester only. (2) Indicates that student attended second semester only.

Classification shown as of September 1949 for students first semester; as of February 1950 for students attending second semester only or both semesters.

(1) Abernathy, Mamie Lee; A&S-4	Dallas	*Anderson, Johnnie; A&S-2	Ft. Worth
Adams, Alvis; A&S-4	Jasper	*Anderson, Obie; A&S-3	Palestine
(2) Adams, Eulah Maye P.;		Anderson, Samuel K.; Ag-3	Cameron
A&S-Grad	Beaumont	Anderson, Sherman; M.A.-2T	Hallsville
Adams, Dorothy; A&S-4	Houston	*Anderson, Willie G.; A&S-2	Longview
Adams, Geneva; A&S-2	Jasper	(1) Anthony, Charles; A&S-2	Gilmer
Adams, Loretta J.; A&S-1	Dallas	(2) Antwine, Clara; HE-4	Washington
*Adams, Lloyd; Ag-4	Seguin	(2) Archie, Henrietta; A&S-4	Baytown
Adams, Lobis; A&S-2	Henderson	Archie, Clara Belle; HE-4	Washington
Adams, Mildred M.; A&S-2	Jasper	*Armstrong, Damon; Ag-3	Waller
Adams, Mildred S.; A&S-2	Jasper	*Armstrong Lemuel; Ag-3	Waelder
(1) Adkins, Clarence; M.A.-1	Dallas	Armstrong, Norman; A&S-2	Temple
Adkins, Mary E.; N.E.-1	Dallas	Armstrong, Thelma; HE-4	Pittsburg
(1) Agent, Leatrice; NE-1	El Paso	Armstrong, Vernice; HE-1	Marlin
Albrow, Ernestine; A&S	Grayburgh	Arnic, Vera; A&S-3	Lockhart
*Alcorn, Benny L.; M.A.-2T	Brenham	*Arnold, Lorenza; A&S-Grad	Tyler
*Alexander, Alonzo; M.A.-Spec	Taylor	Arnwine, Rose M.; NE-1	Rockdale
*Alexander, Ben; A&S	Corsicana	Arps, Earine; A&S-	Tyler
Alexander, Carl; M.A.-2	Waller	(2) Arthur, Doris; M.A.1T	Prairie View
Alexander, Celester; HE-3	Jacksonville	Arthur, Williams; M.A.-Spec	Prairie View
*Alexander, David; Ag	Oakwood	Ashford, Leonard; A&S-2	Port Arthur
Alexander, Eugene; A&S-3	Corpus Christi	(1) Atkinson, Daniel; M.A.-2	Brenham
(1) Alexander, George; A&S-3	Orange	(1) Atkinson, Robert A.; A&S-1	Weimar
Alexander, John W.; M.A.-3	Ft. Worth	Austin, Bobbie J.; N.E.-1	Waco
(1) Alexander, Johnnie M.;		Austin, Mary B.; A&S-2	Eagle Lake
H.E.-2	Oakwood	Austin, Mary P.; HE-2	Waco
Alexander, Paul; Ag-3	Regan	Austin, Robbie L.; A&S-1	Houston
Alexander, Rauletti; A&S-2	Cleburne	Avington, Louise; M.A.-4	Kilgore
*Alexander, Walter; Ag-4	Flynn	Ayers, Alvin; M.A.-4	Houston
Alfred, Minnie; A&S-2	Baytown	(2) Bagley, Julia; A&S-4	Ft. Worth
Alfred, Olevia; A&S-2	Baytown	Bailey, Joseph; A&S-3	Beaumont
*Allen, Clemmie; Ag-	Linden	(2) Bailey, Ossie Juanita;	
*Allen, Henry; Ag-3	Houston	HE-4	Tallahassee, Fla.
Allen, Daisy M.; A&S-1	Dallas	Baines, Naye Dean; A&S-1	Ever Green
Allen, Gloria M.; A&S-3	Port Arthur	Baker, Billie J.; A&S-3	Brenmond
Allen, Irma F.; A&S-2	Bay City	Baker, Uzel; A&S-1	Hillsboro
*Allen, John W.; M.A.-3	Key West, Fla.	(1) Baker, Vernon; A&S-4	Cold Springs
Allen, Millie; A&S-4	Mt. Pleasant	Baker, Weldon; M.A.-1	Mart
Allen, Ollie P.; A&S-1	Malakoff	Baldwin, Berlyn Jean HE-4	Dayton
*Allen, Richard; M.A.-3	El Paso	(1) Baldwin, Wanda M.; HE-4	Dayton
Allen, Robbie J.; H.E.-3	Pittsburg	Balkey, Cleotha; A&S-2	Port Arthur
*Allen, Teddie; A&S-4	Dallas	Ball, Willie Ruth; NE-1	San Antonio
Allison, Lenna M.; A&S-2	Port Arthur	Banks, Evelyn P.; A&S-1	Lufkin
Allums, Lorene; HE-3	Houston	Banks, Fayette; A&S-2	Beaumont
Amos, Evelyn L.; A&S-2	Houston	Banks, Gloria; A&S-3,	Ft. Worth
Amos, Ida J.; HE-1	Galveston	Banks, Immie Mae; A&S-1	Rockdale
(1) Amos, Leston C.; M.A.-2	Weimar	(1) Banks, Joseph; A&S-3	Bryan
(1) Anderson, Annie; HE-1	Prairie View	*Banks, Willie R.; M.A.-3T	Hartwell, Ga.
Anderson, Doris V.; A&S-1	Ennis	Barber, Imogene; A&S-1	Marietta
Anderson, Doris Y.; A&S-1	Marshall	(1) Barker, Eva Claude;	
Anderson, Emma; HE-2	Bastrop	A&S-2	Athens
(1) Anderson, Garner; Ag-	Seguin	*Barlow, Earl; Ag-3	Doucette
Anderson, Jean C.;		Barlow, Earnestine; A&S-2	Sugarland
A&S-3	New Orleans, La.	Barlow, Norman; Ag-2	Woodville



Barlow, Sadie; H.E.-4	Woodville	Bonner, Helen D.; A&S-2	Sommerville
*Barlow, Samuel; A&S-1	Beaumont	Booker, Andrew; Ag-2	Huntsville
Barlow, Woodrow; Ag-4	Woodville	Booker, Earnest J.; MA-2	Beaumont
*Barnes, Benny J.; Ag-2	Lufkin	*Booker, Herman; Ag-2	Huntsville
Barnes, Carnegie; A&S-1	Camden	(1)Booker, Jewell; A&S-2	Tyler
(1) Barnes, Iday; HE-1	Conroe	*Booker, Luther; A&S-2	Houston
Barnes, Joseph; A&S-4	Beaumont	Booker, Willie Jewell; HE-4	Huntsville
Barrens, Clarence; A&S-4	Tulsa, Okla.	*Bookman, Weldon; MA-2T	Quitman
Barrens, Grady; A&S-4	Tulsa Okla.	Boone, Frances; A&S-4	Wharton
Barrett, Artie M.; HE-4	Burkville	Booth, Billie R.; HE-2	Henderson
(2) Barrett, Dorthine; A&S-4	Palatine	Boothe, Uzetta; A&S-1	Center
Barrett, Otrise; A&S-3	Palatine	Booty, Earlene; A&S-3	Beckville
Barrett, Wheeler; M.A.-4	Longview	Boozer, Clarence; Ag-4	Centerville
Barryler, Thelma J.; A&S-1	Beckville	*Boozer, Floyd; Ag-2	Centerville
Basher, Irene; A&S-3	Athens	(1) Bosh, Irene; NE-1	Dallas
*Batiste, George; M.A.-2T	Galveston	Bosh, Mildred; A&S-1	Dallas
Baugh, Laverne; HE-2	West Columbia	Boson, A. C.; Ag-1	Hempstead
Baugh, Vela C.; H.E.-3	Galveston	Boson, Olevia; A&S-2	Hempstead
*Beal, Herbert; M.A.-2	Hempstead	Bostic, Dorothy; A&S-1	Ho. ston
(1)Beal, Floyd; A&S-3	Henderson	*Boston, Johnnie; Ag-4	Crockett
Beasley, Cora; A&S-1	Edna	Boulware, Hugh Etta; A&S-4	Austin
Beasley, Joe W.; Ag-2	Athens	Bown, Anetta; HE-2	Kirven
(1)Beasley, Tommy; A&S-4	Athens	Bowens, Jessie; A&S-4	Dallas
Beasley, Willie O.; A&S-2	Gilmer	Bowers, Corneda; A&S-1	Dallas
*Beason, Torrance; A&S-4	Palatine	Bowers, Evelyn; HE-2	Dallas
Beck, Pauline A.; A&S-1	Houston	Bowie, C. G.; A&S-1	Gladewater
Bedford, Alice M.; A&S-2	Houston	Boykins, Edith; A&S-3	Dallas
Behn, Addie B.; A&S-1	Hempstead	Boyd, Frances; A&S-1	Wichita Fall
(1) Belford, Dorothy V.; A&S-2	Robston	Boyd, James L.; A&S-2	Dallas
Bell, Bernice; N.E-1	Chester	*Boyd Rose Earl; MA-3	Hawkins
(1) Bell, Billy D.; A&S-4	Denton	(1) Boyd, Wesley; A&S-1	Ft. Worth
(1) Bell, Esel Davis; Grad.	Prairie View	(2) Brackshear, John W.; Ag-4	Houston
Bell, Johnny B.; Ag-4	Houston	(1) Bracy, Adolphus; MA-2	San Angelo
Bell, Ruthie M.; A&S-2	Overton	Bracy, Ora Lee; NE-4	Navasota
(2) Bell, Willie J.;		Bradford, Alfred; MA-2T	Lufkin
M.A.-Employee Spec	Prairie View	Bradford, Daisylyn; A&S-1	Alto
Bellinger, Dorothy; A&S-2	San Antonio	Bradford, Melvin; A&S-2	Smithville
Bennett, Alton E.; M.A.3	Camden	(1) Bradford, Thomas; Ag-4	Alto
*Bennett, Frank; A&S-3	Houston	Bradford, Waurine; A&S-2	Smithville
Bennett, Gloria; A&S-3	Galveston	Bradley, James Therman;	
(2) Bennett, Irene; HE-4	Camden	MA-4	Corpus Christi
Bennett, Ruth; A&S-3	Newton	Bradley, Jeraldine; A&S-1	Orange
Bennett, Wanda J.; A&S-1	Groveton	(1) Bradley, Katie; A&S-3	Orange
Benson, Harold E.; A&S-1	Ft. Worth	(2) Bradley, Maxine; A&S-Grad	Alto
Berry, Mattie Marie Foster;	Calvert	Brady, Arthur; MA-2T	San Antonio
A&S-4	Temple	Brailsford, Alfred; A&S-4	Burkville
*Berrymon, Onnis; M.A.-4	Texarkana, Ark.	Branch, Elizabeth; A&S-1	Lockhart
Beverly, Alcaire; A&S-1	Houston	Branch, June; A&S-2	Port Arthur
Beverly, Harold; A&S-2	Port Arthur	Branch, Velma; A&S-3	Houston
Bevil, Elma I.; HE-Spec	Jasper	Brannon, Bessie; A&S-3	Hughes Springs
Biggs, Ferrion L.; A&S-2	Calvert	Brannon, Bettie; A&S-3	Paris
Biggsy, Ermodine; HE-2	Brenham	Bratcher, Edward; A&S-1	San Antonio
Biggsy, Marjorie; HE-3	Brenham	Bratcher, Vivian; HE-2	East Bernard
Bilton, Harry; Ag-4	San Antonio	Brewer, Maynard; A&S-2	Teague
Bizzie, Sadie Jean; HE-1	Detroit, Texas	Brewer, Romona; A&S-2	Lufkin
Black, Bernard; Ag-4	Carthage	Brewster, Gladys; HE-1	Ben Wheeler
(1) Black, Lucille; HE-2	Vernon	Brigham, Edethia; A&S-1	Neylandville
(2) Black, Paynetta; HE-3	Grapeland	Briggs, Ervin; Ag-1	Cold Springs
(1) Black, Thelma L.; A&S-2	Grapeland	Brigman, Yvonne; A&S-3	Atlanta
Black, Vernon R.; A&S-2	Carthage	(1) Brinkley, Charles; Ag-1	Bay City
Blanton, Hubert; Ag-3	Cuney	Briseoe, Frankie; HE-1	Mexia
(1) Blakely, Billie; A&S-1	Teague	Britt, Felle; A&S-1	Kilgore
Blocker, Naomi A.; A&S-2	Hearne	*Britton, Charles; A&S-3	Dallas
*Blocker, Shelly H.; A&S-4	San Antonio	*Britton, Garfield; A&S-2	Calvert
Blocker, Vina E.; HE-3	Hearne	Britton, Jerolyn; A&S-4	Trinity
Blount, Alva E.; HE-4	Dallas	*Britton, Lawrence; Ag-4	Dallas
Blue, Gazetta; HE-4	Dallas	*Britton, Maceo; A&S-3	Trinity
Bluett, Mildred; A&S-Grad	Ft. Worth	Broadnax, Petty; A&S-1	Dallas
Bluett, Lillie; NE-1	Kirbyville	Broadus, Lester; A&S-4	Denton
Boardingham, Paul; MA-2	Texarkana	Brooks, Abbie L.; A&S-3	Mexia
Bobb, Ruby Helen; A&S-2	Port Arthur	Brooks, Altha; A&S-2	Lyons
(2) Bolden, Willie; A&S-2	Houston	Brooks, Emory; A&S-1	Shreveport
Bolen, Laurice; A&S-1	Galveston	*Brooks, Mart A.; Ag-4	Waco
(2) Bolton, Ruth Elmo; A&S-4	Center	Brooks, Phillip; A&S-4	Dallas
Bonner, Beulah; A&S-1	Austin	Brooks, Vivian; A&S-2	Belton
Bonner, Carnell; A&S-1	Atlanta	Brown, Adolphus; MA-1	Kilgore
(2) Bonner, Faunzell E.; A&S-4	Naples	Brown Arthur; A&S-1	Hillsboro
		Brown, Benford; A&S-1	Gilmer

Brown, Charles; A&S-2 ..... Lubbock  
 Brown, Charles Etta; A&S-1 ..... Dallas  
 Brown, Clemontene; A&S-Grad ..... Hempstead  
 Brown, Clever; HE-1 ..... Bivins  
 Brown, Doris; A&S-4 ..... Cuero  
 Brown, Earl L.; Ag-2 ..... Nacogdoches  
 Brown, Edna; A&S-2 ..... Galveston  
 Brown, Effie; A&S-2 ..... Elgin  
 Brown, Eloise; A&S-3 ..... Gladewater  
 \*Brown, Fred D.; Ag-Grad ..... Prairie View  
 Brown, Geneva; A&S-1 ..... Elgin  
 \*Brown, Joe Lee; A&S-Grad ..... Temple  
 Brown, Key Atlis; A&S-4 ..... Houston  
 Brown, Leiton; A&S-1 ..... James  
 Brown, Leo James; A&S-4 ..... San Antonio  
 Brown Mattie; A&S-1 ..... Giddins  
 Brown, Mavis; A&S-4 ..... Bay City  
 \*Brown, Mose L.; A&S-4 ..... San Marcos  
 \*Browne, Roland; A&S-3 ..... Brenham  
 Brown, Roy L.; Ag-3 ..... Elonaton  
 \*Brown, Samuel; MA-1 ..... Cameron  
 Brown, Selma; A&S-1 ..... Pittsburg  
 \*(2) Brown, Thad H.;  
     M.A.-Spec ..... Hempstead  
 Brown, Verna; N.E.-4 ..... Houston  
 Brown, Vivian; A&S-1 ..... Ft. Worth  
 Brown, Willie Roy; Ag-1 ..... Tyler  
 Brown, Wilma; A&S-1 ..... Kendleton  
 \*Browning, Clemmie A&S-2 ..... Texarkana  
 Browning, Johnnie; HE-3 ..... Muldond  
 Bruce, Elmer; Ag-2 ..... Texarkana  
 \*Bryan, Bobert; MA-2 ..... Tenaha  
 Bryant, Ammer Jane; A&S-1 ..... Beaumont  
 Bryant, Annie; NE-1 ..... Caldwell  
 Bryant, Louise; A&S-2 ..... Gainesville  
 Bryant, Elby; A&S-1 ..... Dallas  
 Bryant, Orlliva; A&S-1 ..... Longview  
 Buchanan, Reuben; IT ..... Bryant  
 \*Buckley, Billie; A&S-1 ..... Naples  
 Budrow, Gracie; NE-1 ..... Ft. Worth  
 Buford, Irma; A&S-2 ..... Naples  
 \*Bundage, Aaron; MA-2 ..... Bay Town  
 Bunkley, Lonnie; A&S-2 ..... Denison  
 (2) Burrell, Almeda R.; HE-3 ..... Kendleton  
 Burleson, Melvin; Ag-2 ..... Houston  
 Burnett, Freddie; NE-2 ..... Wichita Falls  
 Burnett, Hazel; A&S-3 ..... Ladonia  
 Burrell, Juanita; A&S-1 ..... Palestine  
 Burton, Audrey; A&S-3 ..... Abilene  
 Burton, James; A&S-3 ..... Hawkins  
 Burton, Thomas; A&S-3 ..... Hawkins  
 Burton, Van O'Neal; Ag-1 ..... Easton  
 Bursy, Adam; Ag-2 ..... Teague  
 Busby, Billie Jean; A&S-1 ..... Teague  
 Busch, Henry L.; MA-2 ..... Houston  
 (1) Butler, Delores; A&S-4 ..... Waelder  
 Butler, Ellena; A&S-1 ..... Palestine  
 Byrd, Euraline; HE-1 ..... Temple  
 Byrd, James S.; Ag-2 ..... Midway  
 Byrd, Roxie; A&S-Grad ..... Corpus Christi  
 \*Cade, Harold; Ag-4 ..... Diboll  
 \*Caldwell, Artis; Ag-4 ..... Taylor  
 \*Caldwell, Azee; Ag-1 ..... Yoakum  
 \*Caldwell, Collessian; Ag-4 ..... Hempstead  
 Caldwell, Herman; A&S-3 ..... Dallas  
 \*(3) Caldwell, John I.; A&S-2 ..... Neches  
 (1) Caldwell, Rosemell; A&S-3 ..... Neches  
 Calhoun Joe; A&S-4 ..... Wiergate  
 Calhoun, Tom C.; A&S-1 ..... Ft. Worth  
 Callahan, Robert; A&S-1 ..... Texarkana  
 (1) Calvert, Willie; IT ..... Seguin  
 Cameron, Mae F.; HE-4 ..... Overton  
 Cameron, Oberia; A&S-2 ..... Naples  
 Campbell, Dorothy; A&S-4 ..... Grapeland  
 Campbell, Hortense; A&S-4 ..... Grapeland  
 \*Campbell, J. B.; Ag-4 ..... Trinity  
 Campbell, Millard; A&S-2 ..... Corpus Christi  
 (1) Campbell, Robert A&S-1 ..... Cameron

Canada, Labon; A&S-2 ..... Brenham  
 Cannon, Gene; A&S-2 ..... Gladewater  
     A&S-3 ..... Jacksonville, Fla  
 Cannon, Janie; A&S-2 ..... Geneva  
 \*Canty, Booker T.; Ag-4 ..... Hempstead  
 Caraway, Gwendolyn; A&S-3 ..... Garland  
 Carey, J. B.; IT ..... Ft. Worth  
 \*Corothers, Sam; MA-2T ..... Bay City  
 Carr, Jackie; A&S-2 ..... Houston  
 Carr, Nadine; A&S-1 ..... Oklahoma City, O.la.  
 Carr, Sanders; A&S-1 ..... Kilgore  
 Carreathers, Mell; A&S-2 ..... Denison  
 \*Carrier, Roy; A&S-3 ..... Galena Park  
 Carrington, Reginal; A&S-2 ..... Dallas  
 Carroll, Coakey; A&S-1 ..... Bryan  
 Carroll, Estelle; A&S-2 ..... Seguin  
 (2) Carroll, Herbert; MA-3 ..... Buffalo  
 (2) Carroll, Lurline; A&S-4 ..... Buffalo  
 Carson, Ellen; NE-2 ..... Terrell  
 Carter, Audrey; HE-3 ..... Fairfield  
 Carter, John Boyd; A&S-3 ..... Palestine  
 Carter, John E.; MA-1 ..... Corpus Christi  
 \*(1) Carter, Lester; MA-Sr ..... Hempstead  
 \*(2) Carter, Lincoln; A&S-3 ..... Texarkana  
 Carter, Maudean; A&S-1 ..... Fairfield  
 Carter, Maurice; A&S-Spec ..... Prairie View  
 Carter, Mayne L.; A&S-1 ..... Ennis  
 Carter, Odis Evelyn; HE-4 ..... San Antonio  
 Carter, Stonewall; MA-3 ..... Ft. Worth  
 Cass, John Frances; A&S-1 ..... Ft. Worth  
 (2) Cash, Larry B.; Ag-Grad ..... Marshall  
 \*(2) Cato, Lewis, M.; Ag-4 ..... Marshall  
 Chambers, Gladys; A&S-3 ..... Ft. Worth  
 Chambers, Lillie; A&S-2 ..... Beaumont  
 Chambers, Billie; A&S-3 ..... Brownwood  
 Chaple, David; A&S-1 ..... Carthage  
 Charleston, Cube; 1-T ..... Victoria  
 \*Chatman, Leroy; A&S-4 ..... Dallas  
 Chatman, Alma L.; HE-4 ..... Dallas  
 Cheatham, L.; A&S-2 ..... San Marcos  
 Cheeseborough, E.; HE-3 ..... Overton  
 Chew, Jewel; A&S-4 ..... Bremond  
 Childress; Helene A&S-1 ..... Ft. Worth  
 Childress, Hubert; Ag-2 ..... Coleman  
 Childress, Louis; A&S-3 ..... Ft. Worth  
 Christian, Willie; A&S-3 ..... Terrell  
 Christoff, Esther; A&S-1 ..... Beaumont  
 Christopher, C.; A&S-4 ..... Jacksonville  
 Christopher, E.; HE-2 ..... Nacogdoches  
 Clark, Harolyn; HE-2 ..... Dallas  
 Clark, James Lewis; A&S-1 ..... Houston  
 Clark, Marcelene; HE-3 ..... Jacksonville  
 Clark, Nina; A&S-2 ..... Prairie View  
 Clay, Earnest;  
     A&S-3 ..... Wichita Falls  
 Clay, Marion; A&S-1 ..... Wichita Falls  
 (3) Clayton, D. L.; A&S-Grad ..... Forney  
 (2) Claybon, Laurie E.; A&S-Grad ..... Forney  
 \*Claybon, Lemuel; Ag-1 ..... Lufkin  
 (2) Clayborne, D.; A&S-2 ..... McKinney  
 Clayborne, Jimmie; ..... Kilgore  
 Clay, Tressa; A&S-1 ..... Braham  
 \*Clayton, Billy; MA-3 ..... Hockley  
 (2) Clayton, Tom A.; Ag-2 ..... Navasota  
 Clemmons, Willie; A&S-3 ..... Victoria  
 (1) Cleveland, Erie O.;  
     A&S-Grad ..... Washington  
 \*(1) Cleveland, Jake; MA-2T ..... Midway  
 Clifton, Harrold; A&S-2 ..... Beaumont  
 Clyde, Lula M.; A&S-2T ..... Dallas  
 \*(1) Cochran, James E.; A&S-2 ..... Denton  
 Cockrell, Marjorie; A&S-2 ..... Houston  
 Cockrell, Rosie L.; HE-Grad ..... Brenham  
 \*(1) Coit, Clifford; A&S-4 ..... Athens  
 Cole, Daniel; Ag-2 ..... Mexia  
 \*Cole, Robert; HE-4 ..... Dallas  
 Cole, Velma; A&S-2 ..... Houston

Coleman, Allene; HE-2	Nacogdoches	Daniels, Vernell; HE-1	Kilgore
Coleman, Edna; HE-1	Mt. Enterprise	Dansby, S.; MA-2	Timpson
Coleman, John M.; A&S-4	Corsicana	Darby, Adolphus; A&S-1	Austin
Coleman, May E.; A&S-2	Newton	Darden, C.; HE-2	Gilmer
*Coleman, Willie; HE-4	Yoakum	Darden, Odessa; A&S-2	Barnum
*Coley, Walter; A&S-2	San Anna	Darden, William; Ag-3	Barnum
*(2) Collier, D. E.; A&S-Grad	Conroe	Darkins, Annie; HE-3	Beaumont
*Collins, Clifford; Ag-2	Dimebox	Darnell Darnell, L.; A&S-1	Forney
Collins, Dorothy; A&S-2	Giddings	Davenport, T.; HE-2	Galveston
Collins, Eardie; A&S-1	Galveston	David, Claude; Ag-4	Lufkin
*Collins, Elbert; Ag-2	Dimebox	David, Doris; HE-1	Mexia
(1) Collins, Jerry; A&S-1	Linden	David, Addie; A&S-2	Romayor
Collins, Joyce; A&S-1	Coolidge	*Davis, Albert; Ag-4	Centerville
(1) Collins, Louis; HE-2	DeKalb	Davis, Augusta; A&S-2	Wortham
Collins, Marcie; NE-1	Teague	Davis, Bettie; A&S-1	Atlanta
Collins, Val; A&S-2	Coolidge	Davis, Charles; MA-4	Seguin
(1) Colquitt, Edward; A&S-1	Bryan	Davis, Christine; HE-3	Plano
(2) Colston, Harvey; A&S-2	Nacogdoches	(1) Davis, Clarence; MA-2	Ft. Worth
(1) Colter, Grover; MA-3	Ft. Worth	*Davis, Comoses; A&S-3	Kilgore
Colombus, C.; A&S-2	Ft. Worth	Davis, Ermon; Ag-2	Orange
Compton, Bettye; NE-1	Houston	*Davis, Eugene; A&S-2	Smithville
Conley, Sophia; NE-4	Houston	Davis, Floyd; Ag-4	Centerville
*Conner, Alvin; MA-2	Denison	Davis, H. R.; 1T	Bryan
Conner, Billie; A&S-2	Itasca	Davis, Helen; HE-2	Terrell
Conner, Mary; A&S-1	Denison	Davis, Jake; A&S-1	Yoakum
*Cook, Osley; Ag-3	Atlanta	*Davis, James; Ag-3	Leona
Cooper, Delores; A&S-1	Houston	Davis, J. A.; Ag-3	Leona
Cooper, Estelle; A&S-3	Benchley	*Davis, Johnnie; A&S-2	LaGrange
Cooper, Willie; NE-1	Dallas	*Davis, Lee J.; A&S-2	Dallas
(1) Cornish, Mable; A&S-1	Oakwood	Davis, Lela; A&S-2	Houston
*Cornish, R. V.; 1T	Hempstead	Davis, Lillie M.; HE-4	Hillsboro
(1) Cornish, Sarah; HE-1	Oakwood	Davis, Lorence; A&S-3	Mexia
Corthers, J. M.; MA-1	Prairie View	*(1) Davis, Lucious; Ag-Grad	Hempstead
Corthers, Rose; HE-3	Prairie View	Davis, Milbrev; Ag-2	LaGrange
(1) Cass, Joan F.; HE-1	Ft. Worth	*Davis, Morris; A&S-2	Trinity
*Cotton, Clarence; Ag-4	Dallas	Davis, Ozania; A&S-Spec	Jacksonville
Cox, Lorene; A&S-3	Corsicana	Davis, Paul; MA-2T	Lufkin
Coy, Mary L.; A&S-1	Chatfield	(1) Davis, Ray F.; Ag-2	Pittsburg
(2) Craft, Melvin; MA-Grad	Ft. Worth	*Davis, Robert; Ag-3	Mineola
(2) Craig, Thelma; HE-2	Clarksville	**Davis, Robert D.; Ag-3	Karnack
Crain, Norris; A&S-3	Dallas	Davis, R.; A&S-3	Lufkin
*Craven, Charles; A&S-k	Kansas	Davis, Sam; A&S-2	Ft. Worth
(2) Cravin, A. O.; MA-Spec	Prairie View	Davis, Viola; NE-4	Hempstead
Crawford, Carl; Ag-3	Reklaw	Davis, Wendell; A&S-2	Bryan
Crawford, Fannie; A&S-1	Palestine	Dawkins, Bettye; HE-4	Rosser
(1) Crawford, Geneva; A&S-4	Hempstead	Dawsey, Clara; A&S-2	Giddings
Crawford, Iona; A&S-1	Kirbyville	Dawson, Charlton; A&S-3	Wharton
Crawford, Joan; A&S-1	Texarkana	Dawson, Delbert; A&S-4	Wharton
Crawford, Richard; A&S-1	Hallsville	Dawson, Henry; Ag-3	Waco
Crenshaw, Betty; MA-1	Austin	Dawson, L.; A&S-4	Wortham
*Crnshaw, Ernestine; A&S-1	Dale	*Dawson, Maurice; MA-4	Waco
Crenshaw, Homer; HE-1	Dale	Dean, Don; Ag-2	Port LaVaca
*Crosby, Willie; Ag-Grad	Hempstead	Dawson, Melvin; Ag-1	Anderson
Cross, Clifford; A&S-Grad	Nacogdoches	Dean, Cassie;	
(1) Crump Curtis; Ag-1	Fayette	A&S-Spec	Prairie View
(1) Crump, Herman; Ag-1	Fayette	Debose, Gloria; A&S-1	Lufkin
Crunk, Arthur M.; A&S-4	San Marcos	*Debose, Thomas; A&S-Grad	Navasota
Crutcher, Lullaby; A&S-1	Forney	*(2) Debose, J. B.; A&S-Grad	Navasota
Cuerington, Aaron; Ag-3	Cameron	Deckard, Walter; MA-3T	Ft. Worth
Culberson, Ardelia; NE-4	Wortham	*Dehorney, Tommy; MA-3	Denison
*Culberson, Arthur; Ag-4	Wortham	DeJean, Audrey; A&S-Grad	Port Arthur
Culton, L. D.; Ag-1	Wortham	Delemar, Gracie; A&S-4	Overton
*Cummings, Roy; Ag-2	Tyler	Delley, Frank; MA-1	Hearne
Cunningham, D.; A&S-2	Pittsburg	Denmon, Annie; A&S-1	Rockdale
(1) Cunningham, E.; NE-1	Seguin	*(2) Dennis, Harry; MA-1	Hempstead
Curl, Blandene; HE-2	Huntsville	Dennis, Mayme; A&S-1	Brenham
*Curnell, Josh; A&S-2	Calvert	(2) Dents, Elizabeth; A&S-2	Georgetown
Curry, Clifton; MA-2T	Victoria	Deo, Edward; MA-3	Lubbock
Curvey, Maxine; A&S-1	Grapeland	Deo, Rosetta; A&S-1	Lubbock
*(1) Dabbs, Claude O.; A&S-Grad	Dallas	Deon, Carlton; MA-2	Orange
Dabney, Betty; A&S-1	Bryan	Derouen, Milton; MA-1	Liberty
Dacts, Amanda; A&S-1	Jasper	Derouen, Thelma; A&S-1	Raywood
Dancy, Sidney; A&S-1	Baytown	(1) Derrick, Loberta; NE-2	Gilmer
(1) Daniels, Napoleon; MA-1	Odessa	Derry, Dorothy B.; A&S-4	Waller
Daniels, G.; HE-4	Tyler	(1) Deshay, Reva M. S. HE14	Sherman
Daniels, H.; Ag-2	Marshall	Devereaux, Gloria; A&S-2	Baytown
Daniels, Jimmie E.; Ag-1	Kilgore	Devereaux, Vesone; MA-2T	Baytown
Daniels, Norman; Ag-2	Longview	*Dewitty, Robert; A&S-4	Dallas

* (2) Dial, John Lester; Ag-1	Sulphur Springs	English, Bertran; A&S-1	Houston
* Dibble, John; MA-Grad	Temple	* English, Clark; A&S-2	Annona
Dickens, Clarabell; A&S-3	Houston	English, Faye; A&S-4	Marlin
Dickson, Orella; HE-3	Carlsbad, N. M	Engram, Betty; A&S-1	Lufkin
Dickson, Perline; A&S-Grad	Waco	(1) Ennis, Leroy; MA-2	Gladewater
Dickson, Travis; A&S-1	Reno	Enoch, Willard; A&S-2	Cuero
Dickson, William; A&S-1	Waco	* Epperson, Fred; MA-Spec	Herne
Diggs, Marie; A&S-1	Calvert	(1) Evans, McCaoy; Ag-2	Tyler
Dillard, Leatha; HE-2	Brenham	(1) Evans, Simmie; HE-2	Jefferson
Dillon, Ray; A&S-2	Galveston	Evans, Tully; A&S-1	Brenham
(1) Dockery, Seth, Jr.; A&S-Grad	Austin	(1) Everett, Mary; A&S-1	Omana
Donnell, Dorothy; A&S-1	Jacksonville	Ewell, Jenelle; HE-2	Frankston
Donley, Clifford; A&S-3	San Angelo	Ewell, Valcris; Ag-2	Frankston
Donley, Mildred; A&S-1	San Angelo	Ewing, Onnie; A&S-2	Washington
(2) Dooley, Eula Mae; A&S-Spec	Prairie View	Faire, Johnnie; HE-2	Athens
Dorn, Lonnie M.; 1T	Weimer	Fears, Shirley; A&S-1	Lufkin
Dorsey, Allene; A&S-4	Hempstead	(1) Fears, James; MA-1	Lufkin
* Dorsey, Archie; Ag-3	Hempstead	Felley, Maye Ella; A&S-1	Navasota
Dorsey, Hayward; Ag-2	Jewett	(2) Ferguson, Margaret M.; HE-4	Dallas
Douglass, Periola; A&S-1	Shreveport	Fields, Attrell; MA-Marshall	Marshall
Douglass, Ruby; A&S-2	Sherman	Fields, Betty; HE-1-2	Wharton
Dow, Mary E.; HE-3	Bivins	(1) Fields, Eva Mims; A&S-Spec	Prairie View
Dow, Mittie; A&S-1	Bivins	Fields, Jessie; MA-IT	Brezoria
Dow, Ruth; HE-3	Bivins	Fields, Maxine; A&S-2	Ft. Worth
* Downey, William; A&S-3	Dallas	Fields, Naoman; A&S-2	Marshall
Downing, Embzy; MA-1	Hempstead	* Finch, Melvin L.; MA-27	Hempstead
Downing, Faye; HE-1	Wichita Falls	Finley, Louise; HE-2	Brenham
(2) Downs, Jeroline Wilson; HE-Grad	Brenham	Finley, Beulah; N.E.-4	Waco
Drennan, Clifton; MA-1	Dallas	(1) Fisher, Pearlina; NE-1	Marshall
Drennan, Kenneth; A&S-1	Houston	Fisher, Wesell; M.A.-1	New Boston
Drisdale, Willie; A&S-1	West Point	Fisher, Josephine; A&S-1	Navasota
Drisdale, Nettie J.; HE-4	West Point	Flanagan, Claude; A&S-1	Henderson
(1) Drummer, Elsworth; A&S-4	San Antonio	Fleming, Sallye; A&S-1	Calvert
Dubose; Roy; MA-3	Itasca	Fleming, Leo, Ag-2	Omaha
* (1) Duke, Henry; A&S-1	Luling	Fletcher, Louise E.; NE-2	Lyons
Duncan, Andrew; Ag-2	Smithville	Fletcher, Thelma; A&S-3	Bay City
Duncan, Dan Carl; A&S-2	Gilmer	Flewellen, John W.; A&S-1	Terrell
Duncan, Jessie; HE-2	San Antonio	Flowers, Annie Joe; A&S-1	Dallas
Duncan, Laurann; HE-2	San Antonio	Flowers, Elvis; Ag-1	Clay
Duncan, Willie Ethel; A&S-2, A&S-3	San Antonio	Floyd, Charles; Ag-2	Pittsburg
Dunham, Bettye; A&S-3	Livingston	Floyd, Leonard; MA-IT	Texarkana
* Dunn, Willie; Ag-4	Corrigan	Foley, Rosie; HE-	Dallas
Dupont, Mary; HE-2	Richmond	Gabriel, Blanche; A&S-1	Fairfield
Dupree, Alma; HE-2	Ft. Worth	Gabriel, Burnis; Ag-1	Keiuen
Durden, George; Ag-3	Crockett	* Gaines, Tierry; MA-IT	Texarkana, Ark.
Dyes, Arthur; Ag-1	Queen	Gamble, Doris; A&S-1	Hearne
Dynes, Massie; H.E.-1	Houston	Gamble, Evelyn; HE-1	Galveston
Eaden, Cleophus; Ag-2	Center	Gambles, Janie; HE-1	Omaha
Earless, Sammie; Ag-1	Galveston	(1) Gambles, Theodore; A&S-2	Omaha
Eaton, Arthur; A&S-3	College Station	Gant, Ella; HE-1	Lubbock
(1) Ector, Espanola; HE-2	Mexia	Garcie, James; Ag-1	Belmont
Edmond, Vernon; Ag-1	Smithville	Garcia, Marian; BA-1	Roseburg
* (1) Edmondson, Gus T.; MA-3	Denison	Gardner, Charlie; Ag-1	Brenham
Edwards, Annie; A&S-2	Thompson	* Gardner, Jessie; A&S-1	Terrell
Edwards, Geraldine; A&S-3	Overton	Gardner, Audrey; ME-3	Winona
(1) Edwards, Hoover; Ag-1	Massey Lake	Garnett, Burl; A&S-1	Bellville
* (1) Edwards, Labe; Ag-4	Palestine	Garnett, Ervin; A&S-3	Fort Worth
Edwards, Marvin; 1T	Georgetown	Garrett, Ada; NE-1	Broadus
Edwards, Ruth; A&S-2	San Antonio	Garrett, Golda; A&S-2	Nacogdoches
Edwards, Vernon; Ag-3	Bremond	Garrett, Henderson; Ag-2	Kirvin
Edwards, Willie Mae; A&S-2	Thompson	(3) Garrett, Myrtle; HE-Grad	Prairie View
Eldridge, Adolious; HE-1	Brenham	Garrett, Willie; A&S-2	Broadus
Eldridge; Dorothy; HE-1	Brenham	Garrison, Annie; HE-1	Longview
* Eleby; Floyd; A&S-1	Moscow	Gaskin, Ada; A&S-1	Baytown
Ellis, Claude; MA-3	Port Arthur	Gates, Carolyn; A&S-1	Cleburne
(2) Ellis, Delia Mae; HE-Spec	Houston	Gee, Carolyn; A&S-1	Galveston
* (2) Ellis, Hasko; Ag-Grad	Athens	Gerald, Deloris; A&S-Grad	Prairie View
Elison, Dorothy; A&S-1	Ft. Worth	Gerald, William; A&S-Grad	Prairie View
Elmore, Cleothus; Ag-1	Coldsprings	Geyen, James; A&S-1	Lake Charles, La.
Elmore, Herbert; A&S-4	Coldsprings	Gibbs, Leon; A&S-1	Beaumont
Elmore, Mertha; A&S-1	San Jacinto	Gigson, Doctor; A&S-1	Camden
Emanuel, Doris; A&S-2	Dallas	Gibson, Dorothy; HE-1	Houston
Emanuel, Pearl; HE-2	Groveton	Gibson, Frances; A&S-1	Houston
Emanuel, Viola; HE-1	Groveton	Gibson, Plez; MA-3	Calvert
Emery, Mary; HE-4	Honey Grove	* Gibson, Roscoe; A&S-1	West Columbia

Gibson, Trelious; A&S-1	Calvert	*Hackett, Samuel; A&S-4	Corpus Christi
Giddings, Emma; HE-1	Hillsboro	Haley, Augustine; A&S-3	Houston
Gilbert, Janet; A&S-4	Coleman	Hall, Aderen Peaches; A&S-2	Crockett
*Gilbert, Louis; Ag-3	Coleman	Hall, Curtis; Ag-1	Crockett
Giles, Myrtle; HE-1	Texas City	Hall, Harold; A&S-1	Sugarland
Gilliam, Leola; A&S-1	Kilgore	Hall, Holmes; A&S-1	Hawkins
Gillins, Dorothy; NE-1	Dallas	*Hall, James A.; Ag-4	Marietta
Gillins, Herschel; A&S-1	Dallas	Hall, Joyce; A&S-1	Houston
Gillins, June; A&S-1	Dallas	Hall Mary J.; A&S-2	Dallas
Gillum, Georgia; HE-1	Hempstead	*Hallman, Grant; Ag-Grad	Kerens
Gipson, Bobbie; NE-1	Calvert	Hamilton, Freddie; HE-4	Beaumont
*Givens, Clarence; A&S-2	Palestine	Hamilton, Sueretha; HE-2	Pittsburgh
*Gladney, Julius; A&S-1	Port Lavaca	Hamlett, Ella; A&S-2	Athens
*Glass, Sally; A&S-2	Dallas	(1)Hamm, Nora Lee; HE-1	Luling
Glenn, Leon; MA-1	Glidden	*Hammons, Adolph; A&S-1	Victoria
(1)Glenn, Melvin; A&S	Tennessee Colony	Hampton, Dervilton; MA-2	Tyler
Godine, Jewel; A&S-1	Bryant	*Hempton, Jessie; MA-2T	Tyler
Godine, Ruby; A&S-1	Bryant	Hampton, Joe W.; A&S-3	Tyler
*(1)Goin, Dewey; A&S-4	Dallas	(1)Hancock, Chester; A&S-1	Mineola
Goode, Ella; A&S-1	Waller	Hancock, Gollia; A&S-3	Mineola
*Goode, Jesse F.; A&S-Grad	Waelder	*Hanks, Lincoln; Ag-4	Prairie View
Gooden, Bessie; A&S-2	Belton	*Hardwick, Ray P.; MA-2	Carlsbad, N. M.
Gooden, Gene; A&S-1	Hearne	*(1)Hardy, Schuyler; A&S-3	Dallas
(1)Gooden, Pauline; HE-4	Madisonville	Harmon, Linzel; A&S-1	Paris
*Goodlow, Charles; MA-2	Abilene	Harmon, Naomia; NE-4	Paris
Goodspend, Robert; MA-1	Ft. Worth	*(2)Hardway, Booker T.;	
Goodwin, Annie; A&S-2	Timpson	A&S-2	Prairie View
Gordon, Josephine; A&S-1	Wharton	Harold, Cecil; A&S-2	Kilgore
Gordeaux, Berth; A&S-2	Port Arthur	Harper, Annie; A&S-2	Bremond
Govan, Alton; MA-1	Tennessee Colony	Harroll, Willie; A&S-3	Austin
*Gosey, Lewis; MA-2	Neguit	(1)Harris, Adrene; A&S-4	Grossbeck
Goyens, Theron; A&S-2	Texarkana	*Harris, Charles; Ag-1	Washington
Grace, Donald; A&S-2	Houston	Harris, John P.; Ag-1	Ominger
Grace, Maurine; HE-1	Houston	Harris, John R.; A&S-2	Gonzales
*Grant, Boston; A&S-3	Austin	Harris, Lillian; A&S-1	West Columbia
*Grant, Frank; A&S-2	Austin	*(1)Harris, Melvin; A&S-1	Calvert
(1)Grant, Joseph; Ag-1	LaGrange	Harris, Norma; A&S-2	Italy
Gray, Donald; Ag-1	Longview	(1)Harris, Quaranteta; A&S-2	Gary
*Gray, Edward; Ag-4	Kiomatia	Harris, Reta; NE-3	Ominger
Gray, Tommie; Ag-2	Linden	Harrison, Curley; Ag-1	Ben Wheeler
Gray, Walter; Ag-1	Tyler	Harrison, Eddie; Ag-1	Tyler
Gray, Wilmer Oscar; A&S-2	Dallas	Harrison, Elmer; A&S-1	Houston
Green, Costella; HE-1	Nacogdoches	Harrison, Katye; NE-4	Sulphur Springs
Green, Hazel; HE-1	Palmer	Harrison, Raphael; MA-3	Tyler
Green, James; Ag-1	Bastrop	Harrison, Meatra; HE-4	Luling
Green, Re Etta; A&S-1	Cameron	(1)Harrison, Ray; Grad	Luling
Green, Verdia; HE-2	Evergreen	*(1)Harrison, Standley; MA-1	Hempstead
Green, Clarice; A&S-1	Parris	Hart, Julia; NE-2	Gilmer
Greene, Davis; A&S-2	Linden	Hartsfield, Erma; A&S-3	Lindale
Greene, Dolores; A&S-1	Welmer	Harvey, Dorothy; A&S-2	Ft. Worth
Greene, Nolbert; A&S-1	Gladewater	Harvey, Pearl; NE-2	Tyler
*Greene, Roscell; A&S-3	Victoria	Harvey, Vina; A&S-2	Bellville
Greenway, Elmer; Ag-1	Queencity	Harvey, Walter; MA-2	Roaharon
Greenwell, Ruby; NE-1	Ft. Worth	*Haskins, Harry; A&S-1	Dallas
(2)Greenwell, William; MA-4	Ft. Worth	(1)Haskins, Leatrice; HE-2	Dallas
Greenwood, Arelene; A&S-3	San Antonio	(1)Haskins, Naomi; HE-1	Dallas
Greenwood, Gathaly; A&S-1	Kilgore	Hatcher, Bobbie; A&S-2	Fairfield
Greggs, Delroy; Agri-3	Quitman	Hauntz, Millie; A&S-4	Wharton
*Gregory, eorge; Ag-3	Hempstead	*Hawkins, George; Ag-3	Jefferson
Gregory, Jonathan; MA-1	Houston	(1)Hawkins, Sara; A&S-2	Jefferson
*Griffin, Alvin; A&S-1	Texarkana	Hayden, Rosa; A&S-2	Dallas
Griffin, Bobbie; A&S-1	Jacksonville	Hayes, Alvin; MA-3	Big Sandy
Griffin, Floyd; A&S-1	Texarkana	Haynes, Frances; NE-2	Ft. Worth
Griffin, Thomas; A&S-1	Beaumont	Haynes, Thelma; A&S-3	Victoria
*Griggs, James W.; A&S-1	Calvert	Haywood, Harry; A&S-3	San Angelo
Grimes, Archie; A&S-2	Wichita Falls	*Haywood, Robert; Ag-2	Mineral Wells
Grimes, Theodore; A&S-3	Wichita Falls	Heagler, Bobbie; NE-2	Ft. Worth
Griner, Leroy; Ag-3	Jasper	Heard, Isaiah; A&S-4	Bloomington
Grisby, Carl; A&S-2	Jefferson	Heard, Peggie; A&S-3	Houston
(1)Groner, James H.; A&S-1	Willington	*Heard Vance L.; Ag-1	Bloomington
Grover, Ernest; A&S-1	Huntsville	(1)Henderson, Ezra; A&S-3	Prairie View
Guice, Joyce E.; HE-1	Navasota	Henderson, Floyd; Ag-1	Queen City
(2)Guinn, Addie; A&S-Spec.	Prairie View	Henderson, Grace; A&S-4	Athens
Guinn, Idell; HE-2	Jefferson	Henderson, Johnnie; A&S-1	Horstons
*Guinn, Oscar; Ag-2	Jefferson	Henderson, Johnnie R.; A&S-3	Athens
*Guyden, Robert; A&S-2	Dallas	Henderson, Martha; NE-2	Itasca
(1)Hackett, Earline; MA-1	Tyler	Henderson, Nina; A&S-1	Dallas
		*Henderson, Riley; MA-4	Ft Worth

- Henderson, Thomas; A&S-2 ..... Kilgore  
Henderson, Tommye; A&S-1 ..... Smithville  
Hendricks, Katie; A&S-1 ..... Calvert  
\*Hendrix, James; Ag-3 ..... Greenville  
Hendrix, Virginia; A&S-1 ..... Dallas  
(1)Henly, Van; MA-4 ..... Waco  
Henry, Billie; A&S-3 ..... Texas City  
Henry, Charles; A&S-1 ..... Wichita Falls  
(1)Henry, Edith; NE-2 ..... Georgetown  
Howard, Louis H.; Ag-1 ..... Conroe  
Henry, Joseph; A&S-2 ..... Houston  
Henry, Ruth; A&S-Grad ..... Prairie View  
Henry, Thomas; A&S-1 ..... Calvert  
Henson, Euril; A&S-2 ..... Houston  
Henson, Goldie; NE-1 ..... Houston  
\*Herndon, Daniel; Ag-Grad ..... Prairie View  
(2)Herndon, Herbert E.; MA-2 ..... Houston  
Herring, Nathan; Ag-1 ..... Shinea  
\*Hewett, Beverly; Ag-4 ..... Ft. Worth  
(1)Hickman, Doris; A&S-1 ..... Bremond  
Hicks, Mattie Mae; HE-4 ..... Grapeland  
Hick, Leonard; Ag-3 ..... Apple Springs  
(1)Hicks, Mae J.; HE-3 ..... Waco  
Hicks, Willie; A&S-2 ..... Shreveport, La.  
\*Higginbotham, Frank; 1T ..... Tucson, Ariz.  
(1)Hightower, Almetta; MA-2 ..... Beaumont  
Hightower, Ruby P.; A&S-2 ..... Galveston  
Hightower, Richard; A&S-3 ..... Houston  
Heights, Geneva; A&S-4 ..... Temple  
Hill, Arthur; 1T ..... Galveston  
\*Hill, Chester; A&S-4 ..... Naples  
(2)Hill, Jesse Leon; MA-2 ..... Prairie View  
Hill, Ester G.; HE-1 ..... Mt. Enterprise  
Hill, Joseph; A&S-1 ..... Ft. Worth  
(2)Hill, Lovie; HE-Grad ..... Hempstead  
(1)Hill, Afria; A&S-2 ..... Naples  
(1)Hilliard, Mattie; A&S-Spec, Prairie View  
Hilyer, Lillie; A&S-4 ..... Goliad  
Hines, Barbara; HE-1 ..... Corsicana  
Hines, Jean L.; HE-4 ..... Houston  
Hines, Willie; MA- ..... Houston  
\*Hinton, German; Ag-2 ..... Bryan  
\*(2)Hobby, Clinton; Ag-4 ..... Lubbock  
Hodge, Loma; A&S-4 ..... Galveston  
(1)Hodge, Robert; Ag-2 ..... Calvert  
Hodge, Willie; MA-4 ..... San Antonio  
Hodges, Mildred; A&S-2 ..... Houston  
Hodges, William; A&S-2 ..... Houston  
\*Hogue, Joseph; Ag-4 ..... Richards  
Holland, Randolph; MA-2 ..... Longview  
Holley, Lillie; NE-1 ..... Frankston  
Hollie, Johnnie; A&S-1 ..... Dallas  
Hollins, Lee N.; A&S-3 ..... Houston  
Hollis, Ida; NE-2 ..... Silsbee  
Holloway, Alaphay; A&S-1 ..... Normagee  
\*(1)Holloway, Cleotis; A&S-3, Prairie View  
Holloway, Effie; A&S-1 ..... Beaumont  
Holmes, Betty; A&S-1 ..... Lubbock  
Holmes, Beulah; NE-4 ..... Kernes  
\*(1)Holmes, Calvin; MA-2T ..... Kernes  
Holmes, Henry; A&S-2 ..... Nacogdoches  
Holmes, Ruby; HE-2 ..... Bartlett  
Holt, Annie; HE-4 ..... Lindale  
Holt, Bobby Dean; MA-1 ..... Sherman  
Hooks, Carolyn; HE-2 ..... Texarkana  
Hopkins, John A.; Ag-4 ..... Centerville  
\*(1)Hopper, Charles; A&S-3 ..... Beaumont  
Hopwood, Essie; A&S-3 ..... McGregor  
Horne, Essie; HE-3 ..... Dickerson  
Forton, Darlene; A&S-1 ..... Ft. Worth  
\*Hosie, James P.; A&S-1 ..... Texas City  
Houston, Berneice; HE-1 ..... Riverside  
\*Houston, Clemith; A&S-1 ..... Bay City  
Houston, Pearl; A&S-2 ..... Tyler  
(1)Howard, Dorothy; NE- ..... Gonzales  
\*Howard, Edward; A&S-4 ..... Conroe  
Howard, George; A&S-1 ..... Galveston  
Howard, Jake; MA-3 ..... Shreveport, La.
- Howard, Louis Henry; Ag-1 ..... Conroe  
Howard, Minnie; A&S-2 ..... Conroe  
(1)Hoyle, Julia; HE-4 ..... San Antonio  
\*Hubbard, Australia; Ag-4 ..... Hooks  
Hubbard, Gwendolyn, MA-1 ..... Hooks  
Hubbard, Jessie; HE-3 ..... Plano  
Hubbard, Vivian; HE-2 ..... Hooks  
(1)Hubert, Earlin; A&S-4 ..... Camden  
Hudgins, Roosevelt; Ag-1 ..... Bay City  
Hudson, Harold; A&S-1 ..... Carthage  
Hudson, Ida; HE-4 ..... Carthage  
Hudson, Willis; A&S-2 ..... Hearne  
Hugkey, Canar; A&S-1 ..... Texarkana  
Hughey; Gwendolyn; A&S-1 ..... San Ormica, Calif.  
\*(1)Hull, Emory; MA-2 ..... Richards  
Hunt, Merdie; HE-2 ..... Nacogdoches  
Hunt, Orea; A&S-2 ..... Oakwood  
(1)Hunter, Catherine; MA-2 ..... Frankston  
\*(1)Hunter, Cornelius; Ag-4 ..... Frankston  
Hunter, Jewel F.; A&S-1 ..... San Antonio  
\*Hutcherson, Daniel; MA-2T ..... Fairfield  
Hutchins, Willie M.; A&S-1 ..... Longview  
Hutchinson, John; Ag-1 ..... Goliad  
(1)Hyman, Ernestine; HE-2 ..... Maude  
Hyner, Harold; A&S-2 ..... Forney  
(1)Ivery, Lesslie; A&S-3 ..... Mt. Pleasant  
(1)Jackson, Alma; HE-1 ..... Kenney  
\*Jackson, Amil R.; A&S-1 ..... Victoria  
(1)Jackson, Andrew; A&S-4 ..... Athens  
Jackson, Annie M.; HE-2 ..... Bremond  
Jackson, Burnice; A&S-1 ..... Naples  
Jackson, Clarence A.; A&S-1 ..... Beaumont  
(2)Jackson, Clyde; A&S-1 ..... West Columbia  
Jackson, Cynthia; A&S-1 ..... Bryan  
(1)Jackson, Darcell; A&S-3 ..... Navasota  
\*(1)Jackson, Donald; MA-3 ..... Hempstead  
(1)Jackson, Earnestine; A&S-1 ..... Atlanta  
(1)Jackson, Elsie; NE-4 ..... Ennis  
\*Jackson, Horace; Grad ..... Chandler  
Jackson, Joyce; A&S-1 ..... Corpus Christi  
Jackson, Juanita; HE-1 ..... Houston  
\*Jackson, Leroy; MA- ..... Montgomery  
\*Jackson, Lewis; Ag-4 ..... Pledger  
Jackson, Lowell; A&S-3 ..... San Antonio  
(1)Jackson, Marshall; A&S-1 ..... Denton  
Jackson, Mathis; Ag-3 ..... Crockett  
Jackson, Maye G.; HE-2 ..... Ennis  
(2)Jackson, Mildred; HE-4 ..... Kilgore  
(2)Jackson, Othella; A&S-4 ..... Dallas  
Jackson, Quinton; Ag-2 ..... Anahwac  
\*(1)Jackson, Raymond; Ag-2 ..... Oakwood  
Jackson, Rebecca; A&S-3 ..... Bay City  
Jackson, Roosevelt; Ag-3 ..... Hallsville  
Jackson, Timothy; Ag-3 ..... Navasota  
Jackson, Velma; A&S-3 ..... Henderson  
Jackson, Verdell; HE-3 ..... Ennis  
(1)Jackson, Verdene; A&S-1 ..... Marietta  
\*Jackson, Vernell; A&S-3 ..... Athens  
Jackson, Willie B.; A&S-1 ..... Rosanky  
\*Jackson, Willie L.; MA-2T ..... Waco  
Jackson, Wilma J.; A&S-1 ..... Bay City  
\*(1)Jackson, Woodrow; Ag-4 ..... Navasota  
James, Annie; A&S-1 ..... Wallder  
James, Juanita; A&S-1 ..... Woodville  
James, Lois H.; A&S-2 ..... Kennard  
James, Minnie B.; A&S-1 ..... Houston  
James, William; A&S-3 ..... Beaumont  
Jarmon, Elwin; Ag-1 ..... Fayette  
\*Jeff, Reuben; MA-1 ..... Hearne  
Jeffer, Mary; HE-1 ..... Huntsville  
Jefferson, Willie; MA-2 ..... Camden  
Jenkins, Jimmy; Ag-2 ..... Overton  
(1)Jennings, Joe; MA-3T ..... Angleton  
(1)Jessie A. J.; A&S-Grad ..... Cunej  
Jessie, Louie; MA-1 ..... Flint  
\*Jessie, Robert; Ag-3 ..... Flint  
(1)Jobe, Selas; Ag-2 ..... Hawkins

- \*Johnson, A. D.; Ag-3 ..... Mt. Pleasant  
 \*Johnson, Aaron P.; Ag-2 ..... Galveston  
 Johnson, Alvin; Ag-1 ..... Grapeland  
 (1)Johnson, Aria; A&S-2 ..... Kilgore  
 Johnson, Barbara J.; A&S-1 ..... San Angelo  
 Johnson, Beatrice; A&S-1 ..... Barzoria  
 Johnson, Bertha; HE-1 ..... Houston  
 Johnson, Bettye; HE-2 ..... Queen City  
 Johnson, Bynyan; A&S-2 ..... Mexia  
 Johnson, Charles Ruby; A&S-2 ..... Cameron  
 (1)Johnson, Clarence E.;  
     A&S-2 ..... San Marcos  
 \*Johnson, Clarence W.; Ag-4 ..... Quinlow  
 (2)Johnson, Cleophus; A&S-3 ..... Cuney  
 Johnson, Compton; Grad ..... Prairie View  
 Johnson, Consuella; HE-2 ..... Galveston  
 Johnson, Cyndia; A&S-4 ..... Plano  
 (2)Johnson, Ella Mae; A&S-Grad ..... Austin  
 Johnson, Elrie; A&S-2 ..... Gallatin  
 Johnson, Essie; HE-4 ..... Dallas  
 Johnson, Eugene; MA-4 ..... Jasper  
 Johnson, Florence M.; MA-1 ..... Brazoria  
 Johnson, George; A&S-4 ..... Richmond, Va.  
 Johnson, George W.; A&S-1 ..... Cameron  
 Johnson, Gertrude; A&S-3 ..... Orange  
 Johnson, Gloria Rai;  
     HE-1 ..... Texarkana  
 (1)Johnson, Iva Bell; HE-4 ..... Oakwood  
 \*Johnson, James E.; Ag-4 ..... Rockdale  
 Johnson, James Ervin; A&S-1 ..... Longview  
 Johnson, Jessie F.; A&S-2 ..... Quinlaw  
 Johnson, Jessie M.; A&S-2 ..... Jefferson  
 (1)Johnson, Joe; MA-3T ..... Calvert  
 Johnson, Johnnie O.; A&S-1 ..... Bryan  
 Johnson, Joyce; HE-1 ..... Mexia  
 Johnson, Lieutenant; A&S-3 ..... Pilot Point  
 \*Johnson, Lorenza; A&S-3 ..... Henderson  
 Johnson, Louis E.; A&S-2 ..... Austin  
 Johnson, Lucille; A&S-2 ..... Kilgore  
 Johnson, Lucky; A&S-2 ..... Houston  
 Johnson, Nathaniel; Ag-1 ..... Queen City  
 Johnson, Robbie; A&S-4 ..... Prairie View  
 Johnson, Robert; A&S-2 ..... Lubbock  
 Johnson, Robert N.;  
     A&S-4 ..... Lumburg, Va.  
 Johnson, Rodgers; A&S-2 ..... Angleton  
 Johnson, Sallie; A&S-2 ..... Bryan  
 Johnson, Stella; MA-3T ..... Houston  
 \*Johnson, Thomas; MA-2T ..... Waller  
 \*Johnson, Uernell; MA-4 ..... Waco  
 (1)Johnson, Ulrue; A&S-3 ..... Belton  
 Johnson, Walter C.; A&S-1 ..... Ft. Worth  
 Johnson, Walter E.; A&S-2 ..... Dallas  
 Johnson, Walter F.; A&S-2 ..... Dallas  
 Johnson, Walter F.; A&S-1 ..... San Angelo  
 \*Johnson, William L.; A&S-4 ..... Waco  
 Johnson, Willie; Ag-1 ..... Fairfield  
 Johnson Yvonne; HE-4 ..... Orange  
 Joiner, Charles; Ag-2 ..... Ennis  
 \*Jones, Camenius; A&S-1 ..... Longview  
 Jones, Clara; HE-1 ..... Overton  
 (1)Jones, Cleo Paul; A&S-3 ..... Palestine  
 Jones, Clyde; Ag-2 ..... Tyler  
 Jones, Elvin;  
     \*Jones, Emmitt; Ag-3 ..... Houston  
     \*Jones, Frank; A&S-4 ..... Rockdale  
     Jones, Harvey; Ag-3 ..... Longview  
     (1)Jones, Hiamatha; 1T ..... Hempstead  
     Jones, Ida E.; A&S-Spec ..... Yoakum  
     Jones, James E.; A&S-1 ..... Houston  
     (1)Jones, James Ellis; A&S-2 ..... Ft. Worth  
     Jones, Jo Ann; A&S-1 ..... Mt. Pleasant  
     \*Jones, John C.; Ag-2 ..... San Augustine  
     \*Jones, John Paul; A&S-4 ..... Silsbee  
     Jones, Johnnie Mae; A&S-4 ..... Ft. Worth  
     \*Jones, Josephus; MA-4 ..... Houston  
     Jones, Lizzie; A&S-1 ..... Longview  
     (1)Jones, Mercedes; A&S-2 ..... Beaumont  
     Jones, Otis; MA-2T ..... Overton  
     Jones, Pauline; HE-2 ..... Midway  
     \*Jones, Phillip; A&S-1 ..... Victoria  
     Jones, Roosevelt; A&S-1 ..... Hawkins  
     Jones, Roosevelt; A&S-4 ..... Ft. Worth  
     Jones, Ruby; HE-2 ..... Bryan  
     Jones, Sammil; MA-1 ..... Conroe  
     Jones, Velma; A&S-3 ..... Caldwell  
     (1)Jones, Virgin Nell; A&S-1 ..... Lockhart  
     \*Jones, William; A&S-Grad, ..... McGregor  
     \*Jones, Wille Faye; HE-1 ..... Kerens  
     Jordan, Lois E.; A&S-2 ..... Houston  
     Jordan, Rose Mary; A&S-1 ..... Houston  
     Joseph, Edna; A&S-1 ..... Beaumont  
     Joseph, Velma Lee; A&S-4 ..... Seguin  
     Kaufman, Laurice; A&S-3 ..... Houston  
     Kelley, Andrew; A&S-2 ..... Galveston  
     Kelley, Bettie; HE-3 ..... Kerens  
     Kelley, Etta; A&S-1 ..... Kerens  
     \*(2)Kelley, Syran; MA-1 ..... Ft. Worth  
     Kemp, Myrlis; NE-1 ..... Somerville  
     Kemp, Valasta; HE-2 ..... Somerville  
     (2)Kendle, Clarice L.; A&S-4 ..... Rockdale  
     \*Kendrick, Alvin J.;  
         MA-3T ..... Haynesville La.  
     \*Kendrick, Laholman;  
         MA-3T ..... Haynesville La.  
     Kenedy, Alma; NE- ..... Rusk  
     (2)Kennedy, James S.;  
         A&S-Grad ..... Warren, Ohio  
     Kennedy, James W.; A&S-1 ..... Rusk  
     Kennedy, Mauren; Ag-2 ..... Ben Wheeler  
     (1)Kennedy, Menetta; A&S-1 ..... Kilgore  
     Kennedy, Nathaniel; Ag-2 ..... Dallas  
     Ken, Blatrice; HE-3 ..... Caldwell  
     Khrone, Clemmlil; HE-3 ..... Lyons  
     Kidd, Helena; HE-2 ..... Martinsville  
     Kimble, Ernest; A&S-1 ..... Prairie View  
     Kimble, Reuben; MA-1 ..... Wharton  
     Kimble, Westerfield;  
         A&S-Grad ..... Prairie View  
     King, Clara A.; A&S-1 ..... Hallsville  
     \*(1)King, Clinton; MA-1T ..... Houston  
     King, Coleman; A&S-1 ..... Corpus Christi  
     King, Corine; HE-1 ..... Angleton  
     \*King, Eugene N.; A&S-3 ..... Blanchard  
     King, Faye Grace; A&S-1 ..... Bryan  
     King, Glyn Roland; A&S-1 ..... Orange  
     King, Lorraine; A&S-3 ..... San Antonio  
     King, Melvin; MA-1 ..... Corpus Christi  
     (1)King, Rosalyn; A&S-1 ..... Beasley  
     King, Ruberta; A&S-3 ..... Newgulf  
     \*King, Willie Glenn; Ag-4 ..... Tenoha  
     (1)Kirk, Gretel; A&S-Grad ..... Ft. Worth  
     Kirk, Helen; A&S-3 ..... Prairie View  
     Kirkpatrick, Brazyle; HE-4 ..... Ennis  
     Kirksey, Willie; A&S-4 ..... Wiergate  
     Kiser, Nina; NE-1 ..... Wortham  
     \*Knight, John; A&S-1 ..... Paris  
     \*(2)Knight, Perry V.;  
         A&S-Empl. Spec. ..... Jacksonville, Fla.  
     (2)Knight, Wanda; A&S-1 ..... Paris  
     \*Knotts, Weldon; A&S-3 ..... San Antonio  
     Koontz, Katherine; A&S-4 ..... Sweet Home  
     Kyle, Joe; A&S-3 ..... West Columbia  
     \*Lacy, Manuel; Ag-2 ..... Hempstead  
     Ladd, Charlie; A&S-3 ..... Pittsburg  
     Lampkin, Dorothis; A&S-1 ..... Jacksonville  
     Lampkins, George; Ag-2 ..... Seguin  
     Lane, Elizabeth; A&S-1 ..... Buffalo  
     \*Lane, Wallace; Ag-1 ..... Gainsville  
     Langstan, Julius; Ag-1 ..... Chatfield  
     Larkin, Paula; A&S-1 ..... Dallas  
     Lathan, Ella; A&S-1 ..... Nacogdoches  
     Lavert, Lizzie L.; HE-1 ..... Texarkana  
     Lavert, Ralph; A&S-4 ..... Texarkana  
     Lavert, Robsene; A&S-3 ..... Texarkana  
     Law, Mary E.; A&S-Spec ..... Bay City

Lawrence, Albert; A&S-3	Richards	McCloud; Lillie; A&S-1	Texas City
*Lawrence, Billy; MA-1	Sherman	McCloudy, Dolores; A&S-1	Dallas
*Lawrence, Jack B.; Ag-Grad	Richards	McCoy, Charlie; Ag-1	Giddings
Laws, Queen E.; HE-4	Bryan	McCray, Julia; NE-2	Chapel Hill
Lawson, Faniel; A&S-1	Lubbock	(1)McCullen, Johnny; A&S-1	Linden
*Lawson, James N.; A&S-3	Omaha	McCullough, Sammil; A&S-1	Galveston
Lawson, Jimmel; HE-2	Montgomery	McDade, Florence; A&S-2	Houston
Leath, Katie; NE-4	Cameron	McDaniel, Jesse; Ag-2	Overton
(1)Lee, Clothes; (A&S-4	Port Arthur	McDonald, Arthur B.;	
*Lee, Dommell; A&S-3	Dallas	A&S-4	Jacksonville, Fla.
Lee, Elaine; NE-1	Sweeny	*McDonald, Clinton; MA-4	Plano
Lee, Gloria; A&S-3	Port Arthur	McDonald, Jessie; A&S-1	San Angelo
Lee, Harold; Ag-4	Sulphur Springs	McDonald, Mattie; A&S-Grad	Orange
Lee, Joseph R.; A&S-2	Beaumont	* (1)McDonald, Walter; MA-1	Hempstead
Lee, Marie H.; A&S-Grad	Utica, Miss.	McFadden, Geraldine; A&S-1	Houston
Lee, Marcus; A&S-3	Gonzales	McFadden, Wendell; MA-3	Houston
Lee, Robert E.; A&S-2	Calvert	(2)McGray, Helen;	Linden
Lee, Valmarice; A&S-1	Waller	McGill, Benjamin; A&S-2	San Antonio
Leffall, Norma; A&S-1	Marshall	McGill, Fanniel; HE-Grad	Mt. Pleasant
Legginton, Juanita; A&S-1	Silsbee	McGill, Maurice; MA-1	Hawkins
Lemons, Sarah; A&S-2	Galveston	* (1)McGill, Timothy; A&S-4	Mt. Pleasant
(1)Leonard, Kenneth; MA-2T	Smithville	McGough, Billie; A&S-2	Trinity
Lester, V.; A&S-1	Ft. Worth	McGowan, Joyce; A&S-1	Houston
Lewis, Albert; A&S-1	Beaumont	McGowan, Mary; HE-2	Nacogdoches
*Lewis, Allen D.; A&S-3	Ft. Worth	(1)McKee, Marguerite; A&S-3	Athens
Lewis, Clever; Ag-1	Clarkville	*McIntosh, John; A&S-2	Jacksonville, Fla.
Lewis, Dorothy M.; A&S-4	Houston	McKenzie, Henry; MA-	Rosewall
Lewis, Edna; A&S-2	Bay City	McKie, Jonquil; A&S-1	Kerns
Lewis, Ernest; A&S-1	Garrison	McKie, Lois; HE-4	Kerns
Lewis, Gherthin; A&S-4	Ft. Worth	McKinney, Ethel; NE-2	Rosser
Lewis, Hubert; A&S-2	Rosebud	McKinney, Gladys; A&S-1	Longview
Lewis, Ida M.; HE-2	Waller	McKinney, Gloria; HE-2	Navasota
(1)Lewis, James; Ag-Grad	Henderson	McKinney, James; A&S-4	Waller
Lewis, John Etta; A&S-1	Budeville	McKinney, Milton, A&S-Grad	Luling
Lewis, Juanita; A&S-2	Katy	*McKinney, Milton, EGA&S	A&S?GG-GG
Lewis, Mamie E.; A&S-1	Beaumont	*McKinney, James; MA-3	Waller
Lewis, March Mae; A&S-1	Ft. Worth	McKinney, Willis; A&S-1	Rosser
Lewis, Martha; NE-2	Houston	* (1)McKinnon, Caleb; A&S-4	San Antonio
*Lewis, Matthew; MA-4	Ft. Worth	McKnight, Glenda; A&S-4	Denison
*Lewis, Richard; A&S-1	Cameron	McKnight, James; MA-2	Denison
Lewis, Zellma; A&S-1	Chapel Hill	McLendo, Jimmie; HE-Grad	Waco
Lightfront, Dorcus; MA-2	Bryan	*McMillan, Lemmon C.;	
*Lilly, Amos; Ag-3	Galveston	A&S-Spec	Prairie View
(2)Lilly, Bertha Lee; A&S-4	Houston	McMillan, Vivian; HE-Grad	Prairie View
Lilly, Esther Ruth; A&S-1	Gary	McNeary, Fuller; A&S-2	Pittsburg
Lilly, Dright; Ag-1	Gary	(1)McNeal, Lois; A&S-1	Tyler
(1)Lincoln, Florzella; HE-1	Queen City	McNeal, Ora L.; NE-2	Rosenberg
Lindsay, Billie; A&S-1	Wichita Falls	McNealy, Ruth; A&S-1	Brenham
*Lister, U.; Ag-3	Kaufman	* (2)McNealy, Leggeth; MA-Spec	Tyler
*Little, Elespito, Ag-3	San Antonio	McNeil, Mary; A&S-4	Marlin
Livingston, Velma; HE-3	Houston	McNeil, Hester; HE-3	Beasley
(2)Livingston, Traswell, Ag-Grad	Kirven	McNeil, Mary; A&S-4	Marlin
(1)Lockett, James; A&S-3	Bay City	McPherson, Amil; HE-1	Gonzales
Lockhart, Josephine; HE-4	Ennis	McPherson, Evelyn; HE-1	Cuero
Locus, Elsie; Ag-3	Ft. Worth	McPherson, Katie; A&S-Grad	Cuero
Loeb, Doris; A&S-2	Port Arthur	*McQueen, Clyde; Ag-2	Lufkin
Lollie, Claude; MA-2	Overton	McQueen, Elana; A&S-2	Camden
Long, Rovert; Ag-1	Camden	McVea, Clifton; MA-Grad	San Antonio
Lott, Ruby Lee; A&S-1	Corpus Christi	McWilliams, Katherine; A&S-3	Teague
(2)Laud, Henry E.; A&S-2	Dallas	Mack, Bettye; HE-2	Beaumont
Love, Alvin; Ag-1	Linden	*Mack, Emanuel; MA-2	Lindon
*Loud, Samuel; A&S-2	Dallas	*Mack, Freddie; Ag-4	Pittsburg
Love, Clara; A&S-3	Teague	*Mack, Alvin; Ag-3	Hearne
Love, Doris J.; HE-2	Ft. Worth	*Malone, Cecl; Ag-3	Huntington
(1)Love, Jacquelin A&S-Grad	Beaumont	Malone, Clara; HE-4	Huntington
*Love, John S.; Ag-3	Freestone	Malone, Edgar; A&S-2	Horston
Lucas, James; Ag-2	Longview	(1)Malone, Helen; A&S-2	Huntington
(1)Lynch, Charlie; Ag-3	Mexia	Malone, Mildred; HE-2	Grayburg
Lyons, Alice; HE-Grad	Prairie View	Malone, Ruth; MA-1	Calvert
* (1)MrAdoo, Charlie; MA-	Brenham	Mangram, Archie; A&S-2	Dallas
(1)McAfee, Magdolene; HE-3	Brenham	Mangram, Lillian; HE-2	Pittsburg
McBride, Richard; A&S-1	Conroe	Mann, Fred; MA-2T	Austin
McConn, Lillian; A&S-2	Colemsneil	Manning, Barbara; A&S-1	San Angelo
McCarter, Barbara; A&S-4	Beaumont	Marable, Dorothy; A&S-1	Ore City
(1)McCortney, Richard; A&S-	Douchette	(1)Mark, Arlington; A&S-1	Apple Spring
McCleain, Billie; A&S-1	Nacogdoches	(1)Mardis, Leudene; HE-2	Timpson
(1)McClellan, Anna C.; HE-4	Dallas	(1)Mark, Chester; MA-2	Lufkin
McClellan, Charles; A&S-1	Galveston	Marshall, Albert; A&S-1	Ennis



Marshall, Herbert; A&S-2	Wichita Falls	*Mills, Lionel; A&S-1	Brenham
Marshall, Ira Jean; HE-1	Ennis	Mills, Modene; A&S-1	Lubbock
Marshall, Juestne; A&S-3	Houston	*Mills, Milbern; MA-2T	Brenham
Marshall, Reecie; A&S-4	Corsicana	Mims, Edgar; A&S-Grad	Marshall
*Marshall, Roy; Ag-4	Marshall	Mines, Isaiah; Ag-2	Commerce
Marshall, Virgie; A&S-1	Brenham	Mitchell, Adam; MA-1	Angleton
Martin, Dorothy K.; A&S-3	Prairie View	Mitchell, Arrie; HE-2	Liberty
Martin, Dorothy L.; HE-1	Luling	* (1) Mitchell, Charles; A&S-4	San Angelo
Martin, Elsa; HE-1	Clarksville	Mitchell, Christine; A&S-2	Houston
Martin, Ethel; HE-1	Clarksville	Mitchell, Giles; A&S-2	Houston
Martin, Freddie; A&S-1	Bryan	Mitchell, Hubert; A&S-4	Daingerfield
Martin, Grace; A&S-3	Kerens	Mitchell, James A.; A&S-4	Corpus Christi
*Martin, Grover; A&S-Grad	Prairie View	Mitchell, James E.; Ag-3	Winona
(2) Martin, Heslip Eunell; A&S-2	Herne	Mitchell, Jewell; A&S-4	Elgin
Martin, Haward; A&S-2	Nacogdoches	Mitchell, Louis; A&S-2	Corpus Christi
*(2) Martin, Leon;		* (1) Mitchell, Luther; MA-Grad	Dinison
MA-Spec	New Orleans, La.	*Mitchell, Maceo; MA-3	Hallettsville
Martin, Sylvérine; A&S-2	Linden	Mitchell, Pansy; A&S-2	Hallettsville
(1) Martin, Leroy K.; A&S-1	Atlanta	Mitchell, Rosa; A&S-Grad	Port Arthur
Mason, Dorothy J.; A&S-4	Gladewater	Mitchell, Walter; MA-2T	Matadon
Massey, Ira Clark; Ag-1	Athens	Mitchell, William; Ag-2	Merer
(1) Matchett, Ira; A&S-1	Houston	Modester, Willie; HE-1	Ft. Worth
*Matherson, Arthur; A&S-2	Beaumont	(2) Molett, Naomi; A&S-Grad	Beaumont
Mathis, Charles; MA-2	Dallas	Monmouth, William; MA-2	Hallatin
*Mathis, Claude; A&S-4	Hempstead	Montgomery, Alma; A&S-1	Henderson
(1) Mathis, Frankie; A&S-1	El Paso	Montgomery, Clifton; MA-1	Tatum
(1) Mathis, Hazel; A&S-2	Ft. Worth	Montgomery, Mildren; A&S-4	Tatum
Matlock, Doris; HE-2	Texarkana	*Montgomery, Samuel; Ag-3	Dallas
Matt, Prince; A&S-2	Jacksonville, Fla.	*Mooney, Robert S.; A&S-1	Cuero
Matthews, Albert G.; A&S-1	Granger	(1) Moore, Bessie; A&S-4	San Augustine
(2) Mathews, Nella Ector; A&S-Grad	Dallas	Moore, Drucilla; A&S-2	Lyons
Mavis, Rita; NE-4	Galveston	*(2) Moore, Leo A&S-1	Atlanta
Maxey, Fayrene; A&S-	Sherman	(2) Moore, Mary E.;	
Maxie, Hortense; A&S-4	Eagle Lake	A&S-Spec	Nashville, Tenn.
Maxie, Johnnie; A&S-2	Houston	*Moore, Morris; MA-1	Hempstead
Mayfield, Wilda; A&S-1	Marshall	Moore, Nathaniel; A&S-2	Rockdale
Mayes, Johnnie; Ag-2	Bastrop	(2) Moore, Olessie; A&S-Grad	Marlin
Mayo, Doris; HE-4	Corpus Christi	*Moore, Phillip; A&S-3	Waco
Mays, Edna; A&S-2	Mexia	*Moore, Robert; A&S-3	Waco
Mays, Helen; A&S-3	Wichita Falls	*Moore, Tavey; A&S-2	Anna
Mays, Helen Ruth; HE-2	Mexia	Moore, Willie; A&S-2	Longview
Meade, Pearl; A&S-1	Frankston	*Moore, Willie H.; Ag-3	Longview
Meador, George; Ag-1	Sweet Home	Mooring, Leon; Ag-Grad	Navasota
Menns, Joyce; A&S-1	Mexia	(1) Mooring, Olen; A&S-1	Houston
(1) Medlock, Margaret; A&S-4	Dallas	Moreland, Rastus; A&S-1	Jacksonville
Meigues, Thelma; A&S-4	Beaumont	Morgan, Alma; A&S-2	Bremont
(2) Melbonson, Allen F.; MA-1	Liberty	*Morgan, John; Ag-3	Newton
Melton, Birdie; A&S-1	Beasley	Morris, Bobbie; A&S-2	Liberty
Melton, Homeyelle; A&S-1	Beasley	*Morris, Booker; A&S-3	Cuero
Melton, Mary; A&S-2	Beasley	*Morris, Durwood; Ag-1	Sulphur Springs
*Mercer, Astor; MA-4	Corpus Christi	Morris, Otis; A&S-1	Houston
Mercer, Berry; MA-3	Hearne	Morris, Durwood; Ag-	Sulphur Springs
Mercer, George; A&S-Grad	Hearne	*Morrison, George; Ag-1	Alto
Meshack, Betty; HE-2	Dallas	Morrison, Jimmie Joyce;	
Meshack, Lanelle; A&S-1	Temp.e	A&S-4	San Antonio
Mickens, Mary Helen; A&S-3	Prairie View	Morrison, S. M.; A&S-1	Mexia
Michie, Lela; A&S-2	Navasota	Morton, Joycelyn; A&S-3	Fairfield
Mikle, Earline; A&S-2	Houston	(2) Moseley, Era M.; Ag-3	Tenaha
Miles, Betty; A&S-3	DeKalb	Mosley, Audrey; A&S-2	Hempstead
*Miles, Jimmie; A&S-2	Galveston	Mosley, Earl; A&S-3	Tenaha
Miles, Roosevelt; A&S-1	Houston	*Moye, Oscar; Ag-2	Woodville
*(1) Miles, Roy; MA-2	DeKalb	Muckleroy, Cotos H.; A&S-3	Hempstead
Miles, Thelma; A&S-1	Hearne	Muckleroy, Dorothy; A&S-1	Hempstead
Miles, Willie; Ag-3	DeKalb	Muckleroy, Roy; A&S-1	Kilgore
*Miller, Avery; MA-Grad	Cameron	*Murdine, George; A&S-4	Houston
Miller, Billy Jean; A&S-1	Dallas	Murray, Mattie Mims; NE-4	Houston
Miller, Clarence; A&S-3	Chatfield	Murry, Lois; A&S-1	Dayton
Miller, Cornelia; A&S-Grad	Dallas	Muse, Georgia; HE-2	Prairie View
Miller, Dora; A&S-2	Bryan	Myers, Jane; A&S-3	Texarkana
Miller, Doris King; HE-4	Tenaha	*Myles, Willie Don; A&S-1	Shreveport, La.
Miller, Guy; Ag-1	Lockhart	Nash, Clarecia; A&S-1	Dallas
Miller, Rosie; NE-1	Lavacaster	Nash, Erma Jean; A&S-1	Elgin
Miller, Rozetta; HE-2	Terrell	Nathan, Earle B.; A&S-2	Brenham
*Miller, Webster; A&S-4	Berkley, Calif.	(1) Neal, Georgia; A&S-1	Pittsburg
Millett, Veryl; HE-1	Seguin	Neal, Hubert; Ag-Grad	Hempstead
Milligan, Arthur; A&S-2	Beaumont	Nealy, Herbert; A&S-4	Temple
Mills, Emma; A&S-2	Houston	Nelms, Catherie; HE-4	Bryan
Mills, Essie; HE-3	Ft. Worth	Nelson, Berry; HE-2	Weinmar

Nelson, Berry; HE-2 ..... Weinmar  
 Nelson, Davy Jean; NE-1 ..... Belton  
 (1)Nelson, Elizabeth; NE-1 ..... Bryan  
 \*Nelson, Thomas; A&S-1 ..... Palestine  
 Nettles, Arthur; A&S-1 ..... Houston  
 Neuman, Fayrene; A&S-3 ..... Smithville  
 \*Newsome, Benjamin; A&S-1 ..... Brenham  
 \*Newsome, Elbe; MA-4 ..... Brenham  
 Newsome, Katherine; HE-Grad ..... Brenham  
 Nicholas, Josephine; MA-Spec ..... Prairie View  
 Nicholas, Josephine;  
 HE-Grad ..... Jacksonville, Fla.  
 Nicholson, Juanita; A&S-2 ..... Port Arthur  
 Norman, Grace; A&S-4 ..... Ft. Worth  
 Norman, Austin; A&S-2 ..... Galveston  
 Norman, Nell Marie; HE-Spec ..... Hempstead  
 Norris, Gloria; A&S-1 ..... Fairfield  
 Norris, Jean; A&S-3 ..... Prairie View  
 (2) Norsworthy, Betty Jean;  
 H6\*2NleamJ.;  
 A&S-1 ..... Hempstead  
 Norton, Elizabeth; A&S-4 ..... Brackenridge  
 O'Banion, Lorraine; A&S-Grad ..... Dallas  
 O'Neal, Essie A&S-1 ..... Lubbock  
 O'Neil, Dorothy; A&S-2 ..... Houston  
 Orr, Clyde, Hugh; A&S-2 ..... Grayton  
 Orum, Eddie; Ag-1 ..... Groesbeck  
 \*Osborne, Wallace; A&S-Grad ..... Galveston  
 (1)Osborne, Annie; A&S-1 ..... Dallas  
 O'Too, Josiah, Muri;  
 Ag-Spec ..... Accra, West Africa  
 Outland, Daniel; Ag-3 ..... Waco  
 Outley, Freddie; A&S-2 ..... Houston  
 Outley, Juanita; A&S-3 ..... Houston  
 Overstreet, Gravel; A&S-2 ..... Hillsboro  
 (1)Owens, Billie C.; MA-3 ..... Texarkana  
 Owens, Billy Joyce; A&S-Grad ..... Smithville  
 Owens, Charles; MA-Grad ..... Smithville  
 Owens, Earlene; HE-2 ..... Texarkana  
 Owens, Fannie; A&S-2 ..... Oakwood  
 Owens, Maurice; Ag-3 ..... Waller  
 Patrick, Floyd; A&S-1 ..... Waxahachie  
 Patrick, Sterling; A&S-2 ..... Galveston  
 \*Patton, Roy; A&S-Grad ..... Dallas  
 Payne, James; A&S-2 ..... Bastrop  
 Payton, Ethel; A&S-3 ..... Texarkana  
 Pace, Millie; A&S-Grad ..... Bryan  
 Page, Ruth Ora L.; A&S-4 ..... Corsicana  
 Page, Patsy; A&S-4 ..... Corsicana  
 Palmer, Hattie; A&S-2 ..... Huntsville  
 Paalmer, J. W.; A&S-2 ..... Jamestown  
 Palmer, Mauvelyene; A&S-1 ..... Tyler  
 Palmer, Willie; A&S-2 ..... Jamestown  
 \*Pannell, Lowell; Ag-3 ..... Reagan  
 Pannell, Ralphius; Ag-1 ..... Reagan  
 Paris, Eddie; A&S-1 ..... Massey Lake  
 (1)Parish, Cecil; A&S-1 ..... Corsicana  
 (2)Parker, Floyd; Ag-4 ..... Kenney  
 \*(1)Parker, George; MA-3 ..... Galveston  
 Parks, Pearl; A&S-1 ..... Lufkin  
 (1)Parms, James; Ag-2 ..... Richards  
 Peavy, Freddie; A&S-2 ..... Houston  
 Penelton, Alberta; A&S-2 ..... Dallas  
 Penn, Mary E. NE-1 ..... Eagle Lake  
 Perkins, Andrew; A&S-2 ..... Amarillo  
 Perkins, Albert; Ag-1 ..... Linden  
 Perkins, Horace; A&S-1 ..... El Campo  
 Perkins, Hosea; A&S-2 ..... Calvert  
 \*Perkins, Lee E.; A&S-Grad ..... Dallas  
 \*(2)Perkins, Louis R.; A&S-Grad ..... Marshall  
 Perkins, Ralph J.; Ag-4 ..... Jewett  
 Perry, John; Ag-2 ..... New Boston  
 \*Peters, Sam; MA-2 ..... Big City  
 Pettie, Cleveland; A&S-2 ..... Kendleton  
 \*Petitt, Homer; A&S-2 ..... Kendleton  
 Pettit, Gloria; MA-2T ..... Kendleton  
 Pettaway, Altha; HE-2 ..... Orange  
 Petty, Audrey; Ag-2 ..... Lindale

Petty, Badelyn; HE-3 ..... Calvert  
 Petty, Ernice; A&S-4 ..... Marlin  
 Petty, James; A&S-1 ..... Cameron  
 Petty, Oveta L. W.; HE-4 ..... Brenham  
 Petty, Pearlina; A&S-1 ..... Bryan  
 Phelps, Jessie; A&S-1 ..... Houston  
 Phelps, Victoria; A&S-4 ..... Hitchcock  
 Phillips, Annie; A&S-3 ..... Teague  
 Phillips, Barbara; HE-4 ..... Pilot Point  
 (1)Phillips, Daisy B.;  
 NE-Employee Spec ..... Prairie View  
 Phillips, Dorothy; HE-2 ..... Wharton  
 Phillips, Imogene; A&S-1 ..... Dallas  
 Phillips, James; Ag-4 ..... Chapel Hill  
 Phillips, Jerl; A&S-2 ..... Karnes City  
 Phillips, Jerutha; A&S-Grad ..... Palestine  
 (2)Phillips, Nathaniel; Ag-1 ..... Netches  
 Phillips, Odie; A&S-3 ..... West Columbia  
 Phillips, Mildred; A&S-2 ..... Houston  
 \*Phillips, Will; Ag-4 ..... Marshall  
 Pickens, McKinley; A&S-1 ..... Houston  
 Pierson, Frank; A&S-4 ..... Beaumont  
 (2)Pipkin, Annie V.;  
 A&S-Grad ..... Prairie View  
 Pipkin, Oscar A.; A&S-4 ..... Prairie View  
 Pipkin, Lorenzo; A&S-1 ..... Beaumont  
 (2)Pipkin, Ulaya; HE-4 ..... Houston  
 (1)Pitts, Allie Faye;  
 A&S-Grad ..... Corpus Christi  
 \*Pitts, Joe W.; MA-1 ..... Seguin  
 Pleasants, Nonah; HE-4 ..... Nacogdoches  
 (2)Pleasant, Alclair V. Mays;  
 HE-4 ..... Corpus Christi  
 Polk, Leonard; Ag-1 ..... Gonzales  
 Polk, Millie M.; NE-1 ..... Corpus Christi  
 Polard, Clifford; A&S-4 ..... Galveston  
 (2)Pollard, Earlie; HE-Grad ..... Galveston  
 \*Ponder, Dudley; A&S-1 ..... Kerene  
 (1)Pool, Ira; A&S-2 ..... LaGrange  
 \*Poole, Gus T.; Ag-2 ..... Cameron  
 \*Poole, Trachanzie; Ag-Grad ..... Hempstead  
 (1)Pope, Avanel; A&S-2 ..... Houston  
 Popnaugh, Ruth; A&S-3 ..... Amarillo  
 (1)Poter, John; A&S-1 ..... Brenham  
 Porter, Matthe; HE-2 ..... Tyler  
 (1)Poter, Robert; MA-Grad ..... Tyler  
 Porter, Roberta; HE-3 ..... Tyler  
 Portley, Tessie; A&S-4 ..... Kilgore  
 (1)Potts, G.; Ag-3 ..... Denison  
 (1)Potts, Irene; A&S-1 ..... Bryan  
 Potts, Martha; A&S-1 ..... Bryan  
 Pouncy, Mitchell; A&S-3 ..... Palestine  
 Pouncy, Veneta D.; HE-1 ..... Palestine  
 \*Powell, Allison; A&S-Grad ..... Palestine  
 Powell, Lathell C.; MA-Grad ..... Temple  
 \*Powell, William; MA-1 ..... Algrippo, Penn.  
 (2)Powdrill, Lois; HE-Grad ..... Garrison  
 (1)Prater, Lloyd; MA-3 ..... Tyler  
 Prater, Mary H.; A&S-1 ..... Cameron  
 Pratt, Hazel M.; A&S-1 ..... Anderson  
 President, Helen; A&S-1 ..... Mt. Belvieu  
 Presley, Joyce; A&S-2 ..... Dallas  
 Preston, Doris R.; A&S-1 ..... Bay City  
 Price, Dana M.; HE-3 ..... Leigh  
 Price, Edward; A&S-2 ..... Beasley  
 Price, Jack; A&S-1 ..... Dallas  
 Price, Lawrence; Ag-4 ..... Montgomery  
 Price, Robbie; A&S-3 ..... Gilmer  
 Price, Ruth; A&S-2 ..... Smithville  
 Pruitt, Eural; A&S-1 ..... Ft. Worth  
 \*Pruitt, John W., Jr.; Ag-4 ..... Crockett  
 Pruitt, Marie; A&S-3 ..... Dallas  
 Pruitt, Willie; A&S-3 ..... Ft. Worth  
 Pugh, Lawrence; A&S-3 ..... Dallas  
 \*Quarles, Monroe; Ag-1 ..... Bryan  
 (1)Quarles, Omezelle; A&S-4 ..... Bryan  
 Radford, Coleman; A&S-1 ..... Hawkins  
 Raglin, Naomi; A&S-3 ..... Richards

Ragster, Leroy; MA-2	Beckville	Robinson, Bennie M.; A&S-2	Wink
(1) Rain, Jesse; A&S-1	amden	Robinson, Carl; A&S-4	Ft. Worth
(1) Rainey, Ella; Em-Spec	Galena Park	Robertson, Clara; HE-Grad	Houston
Raipe, Henderson; A&S-1	Dallas	Robinson, Ermadine; A&S-2	Naples
Randall, Evelyn; A&S-4	Dallas	Robinson, Eulalia; A&S-Grad	Elgin
Rndell Minnie; A&S-2	Dallas	Robinson, Eunice; A&S-1	College Sta.
*Randle, Charles; Ag-Grad	McGregor	*Roberson, Fatie; A&S-Grad	Lexington
Randle, Hester; A&S-4	Ft. Worth	(1) Robinson, Frank M.; A&S-1	Texarkana
Randle, Ira Tyrone; A&S-1	Houston	Robinson, George; A&S-4	Montalpa
Randle, Luch L.; A&S-2	McGregor	Robinson, Helen R.; A&S-2	Naples
Randle, Theodore; Ag-4	Houston	*Robinson, Hillery; MA-4	Port Arthur
(1) Ray, Darlean; A&S-3	Houston	Robinson, Howard C.; A&S-1	Beaumont
* (1) Rayford, Robert W.;		*Robinson, James O.; A&S-4	La Marque
Ag-Grad	Prairie View	Robinson, James A.; A&S-3	La Marque
Redd, Bettye J.; A&S-1	Austin	Robinson, Jessie J.; A&S-4	Bloomburg
Redd, Elmer Grant; Ag-4	Tyler	(2) Robinson, Joe N.; Ag-3	Naples
Redic, Daisy; HE-1	Malakoff	Robinson, Mary Lee; NE-1	Berclair
Redman, Walter; A&S-1	Ft. Worth	Robinson, Obie; Ag-Grad	San Antonio
*Reed, James; A&S-4	Ft. Worth	Robinson, Robert; A&S-2	Needville
Reed, Johnnie; A&S-3	Evergreen	Robinson, Ruby; A&S-1	Buffalo
Reed, Ottra M.; A&S-2	Waco	* (2) Robinson, Samuel; A&S-1	San Antonio
Reed, Robbye L.; A&S-2	Mart	Robinson, Vera L.; A&S-2	San Antonio
Reed, Robye Robert; Ag-1	Bellville	Rodgers, Elizabeth; A&S-3	Paris
Redman, Lola M.; A&S-3	Center	Rodgers, Ester; A&S-1	Flatonia
*Rece, Froncell; Ag-Grad	Conroe	(1) Rodgers, Joe; MA-Grad	Paris
(1) Reece, Henry; Ag-3	Crockett	Rodgers, Ralph; Ag-3	Pittsburg
Reece, Virgie; A&S-4	Dallas	Rodgers, Willard; Ag-1	Marietta
Reese, Gaynell; HE-3	Paris	Rogers, Charlie; A&S-1	Dallas
Reese, Jimmy L.; Ag-1	Cold Springs	Rogers, Deltesser; A&S-Grad	Abilene
*Reese, Leroy; Ag-4	Houston	Rogers, Henry; A&S-Grad	Calvert
Reeves, Alan J.; A&S-2	Houston	(2) Rogers, Lelia; NE-1	Houston
Reeves, Eunice; HE-4	Oakwood	Rogers, Lillian; NE-1	Houston
* (1) Reeves, John E.; Ag-3	Palestine	Rogers, Thelma; HE-1	Washington
Rhem, Edward R.; Ag-2	Rockdale	Roligan, Bobbie J.; HE-4	Beaumont
Rhem, Sherman L.; A&S-2	Rockdale	*Roq, Emore Saul; A&S-1	Bivins
Rhodes, Charles; A&S-4	Houston	Rosbrough, Alfonza; MA-3	Longview
Rhodes, Fannie; A&S-2	Houston	*Rose, James J.; A&S-1	Sulphur Springs
Rice, Joe Hill; A&S-1	Ft. Worth	Rose, Wallace; Ag-3	Houston
Richards, Barbara; A&S-3	Hempstead	Ross, Allie M.; HE-3	Mineola
Richards, Frances; HE-1	Hempstead	Ross, Dorothy; A&S-1	Booth
* (1) Richards, James; A&S-1	Hempstead	Ross, Gwendolyn; A&S-3	Arp
(1) Richards, Maxine; HE-Grad	Hempstead	Ross, Jimmie L.; A&S-2	Beaumont
Richards, Minnie; A&S-2	Center	Ross, Johnnie; MA-3	Beaumont
(1) Richards, Ruthie; A&S-2	Hempstead	Ross, Samantha; A&S-2	Beaumont
* (1) Richardson, Alfred; MA-3	Dallas	Roy, Vivian; A&S-Grad	Houston
Richardson, Birdie; A&S-Spec	Prairie View	Russ, Andrewetta; A&S-1	Longview
Richardson, Camella; A&S-4	Galveston	Russaw, Ella Mae; A&S-1	Richard
Richard, Charles; A&S-3	Texas City	Russell, Bettye Jean; NE-1	Ft. Worth
Richardson, Clede; A&S-1	Naples	Russell, Clarence; A&S-2	Ft. Worth
Richardson, Conrad; A&S-2	Ft. Worth	Russell, Fannie; A&S-4	Hillsboro
*Richardson, Curtis; A&S-3	Naples	(1) Russell, John; MA-2	Hillsboro
Richardson, Georgia; HE-4	Naples	Russell, Lillian; A&S-2	Ft. Worth
Richardson, Ina; A&S-3	Oakhurst	Russell, Robie L.; HE-1	Grayburg
*Richardson, James; Ag-2	Brenham	*Rutherford, Ivey; A&S-1	Hawkins
Richardson, Lee; A&S-1	Hillsboro	(2) Rutledge, Paul; Ag-Grad	Palestine
Richardson, Lettie; A&S-1	Oakhurst	Sadberry, Carolyn; HE-3	Benchley
Richardson, Maple; A&S-3	Longview	Sadberry, Heslip R.; Ag-1	Benchley
Richmond, Winifred; MA-3	Axtell	Sadler, Sherleen; A&S-1	Corpus Christi
Ricketts, Betty Jean; A&S-1	Ft. Worth	(2) Sams, Cris Cagle; A&S-2	Beaumont
Ricks, Geneva; HE-3	Dickenson	*Sams, Eristus; A&S-Spec	Prairie View
Riggs, Marie E.; A&S-	Dallas	Samuel, Kettie Dale; A&S-1	San Antonio
*Rigsby, Nathaniel; MA-3	Woodville	(1) Samuels, Armelia; NE-1	Clarksville
Riley, Anna D.; HE-1	Bellville	Sanders, Billie R.; A&S-2	Nacogdoches
* (1) Riley, Jeremiah; A&S-2	Jasper	(1) Sanders, Cleoria; HE-3	Waskom
Riptoe, Lillian; A&S-1	Ennis	Sanders, Emma; A&S-Grad	San Antonio
Ritcherson, Solon; MA-3	Waco	*Sanders, Emerson; Ag-1	Hempstead
Rivers, Horace H.; A&S-1	Giddings	Sanders, Grady; Ag-1	Henderson
Roan, Ozell; A&S-3	Baytown	Sanders, Homer Lee; Ag-1	Manor
Roberts, Alvin; A&S-1	San Antonio	Sanders, Lynn; 1T	Waskom
Roberts, Dorothy J.; HE-2	Longview	Sanders, Mary J.; HE-1	Willis
Roberts, Earline; HE-Grad	Garrison	Sanders, Nettie; HE-1	Bartlett
*Roberts, Empra; Ag-4	Marshall	*Sanders, Robert; MA-1	Yoakum
*Roberts, James E.; A&S-1	Cameron	Sanders, Vera M.; HE-1	Hempstead
Roberts, Judson; MA-1	Garrison	Sanders, Verna; HE-3	Kilgore
*Roberts, Lee Louis; A&S-1	Cameron	(1) Sapenter, Reginald; MA-Grad	Goliad
(1) Robertson, Jo Issac; Ag-2	Hemphill	Sargent, Emory; Ag-3	Sour Lake
Robertson, Lois L.; HE-2	Rosser	Sargean, Ernest; Ag-3	Sour Lake
(1) Robinson, Ben A.; A&S-2	Wink	Sargent, Harold; A&S-1	Houston

- Sasser, Charles; MA-1 ..... Atlanta  
 Sauls, Clarence; MA-2 ..... Georgetown  
 (1) Sauls, Leroy; MA-Grad ..... Texarkana  
 Sanders, Richard M.; MA-1 Brooklyn, N. Y.  
 Scallion, Elijah; Ag-1 ..... Schullenburg  
 Scott, Alvin R.; Ag-1 ..... Jacksonville  
 Scott, Cecil C.; A&S-1 ..... Hallsville  
 Scott, Cleopatra; A&S-Grad ..... Houston  
 Scott, Dorothy; A&S-1 ..... Nacogdoches  
 Scott, Eddie A.; A&S-2 ..... Waller  
 \*Scott, Edward; Ag-4 ..... Hempstead  
 Scott, Emma; A&S-Grad ..... Lubbock  
 \*Scott, James B.; Ag-Grad ..... Jasper  
 \*Scott, John Leonard; MA-1 ..... Ft. Worth  
 Scott, John M.; A&S-3 ..... Houston  
 Sheen, Roma; Grad ..... Prairie View  
 Scott, Paul L.; A&S-1 ..... Corpus Christi  
 (1) Scott, Joseph; A&S-Grad ..... San Antonio  
 \*Scott, John; Ag-4 ..... C...ey  
 \*Scott, Lottie B.; A&S-2 ..... Elgin  
 Scott, Robert M.; A&S-Grad ..... Cors...a...a  
 \*Scott, Willington; A&S-2 ..... Jacksonville  
 (2) Scott, William Jr.; MA-3 ..... Colorado City  
 \*Scourten, Richard; MA-1 ..... Terrell  
 Scanton, Henry; A&S-1 ..... Houston  
 \*Seraggs, James; A&S-1 ..... Waco  
 Sears, Patsy Jean; HE-1 ..... Pittsburg  
 Seal, Erma; HE-Grad ..... Jasper  
 See, Wilburn; Ag-2 ..... Calvert  
 Sedberry, Edward C.; A&S-1 ..... Houston  
 (1) Seidel, Maurice; A&S-2 ..... Austin  
 \*Sells, Eska C.; A&S-2 ..... Jamestown  
 Senegal, Agnes M.; A&S-1 ..... Galveston  
 Senegal, Ethel; A&S-3 ..... Galveston  
 Session, R. D.; MA-2 ..... Jacksonville  
 Session, Uray; A&S-2 ..... Rusk  
 Sewell, Ruth; HE-4 ..... Galveston  
 Shackelford, Roy L.; A&S-2 ..... Huntsville  
 Shannon, Evelyn; A&S-3 ..... Seguin  
 Shannon, Marshall; A&S-1 ..... San Marcos  
 \*Sharpe, Talmadge; Ag-4 ..... Jasper  
 Sharpless, Dorothy; HE-3 ..... Big Sandy  
 Shaw, Erma Birdean; A&S-4 ..... Longview  
 Shaw, Melba; A&S-4 ..... Hillsboro  
 (1) Sheen, Roma; Grad ..... Prairie View  
 Shaw, Wesley; A&S-2 ..... Hillsboro  
 Sheffield, Helen; A&S-1 ..... Austin  
 Sheffield, Hortense; A&S-1 ..... Houston  
 \*Shelton, Gene; A&S-1 ..... Brenham  
 Shelvin, Elijah K.; MA- ..... Austin  
 \*Shepard, Lonnie; MA-3T ..... Jefferson  
 Shepard, Walterene; HE-3 ..... Marlin  
 Sheppard, Era Faye; A&S-1 ..... Reklaw  
 \*Shepard, Lawrence;  
 MA-3T ..... Tuscon, Ariz.  
 Shephard, Ray C.; A&C-3 ..... Grapeland  
 Shephard, Mary; HE-1 ..... Nacogdoches  
 \*Shepherd, Willie; MA-2 ..... Tyler  
 Shilow, Catherine; A&S-2 ..... Beaumont  
 Shine, Marguis E.; A&S-1 ..... Dallas  
 Shivers, Deloires V.; A&S-2 ..... Bryan  
 Silas, Elizabeth; HE-1 ..... Waco  
 (2) Simien, Martha M.; A&S-4 ..... Galveston  
 Simien, Hestin; A&S-1 ..... Galveston  
 Simien, Hilbert A.; A&S-1 ..... Galveston  
 Simmons, Charleyne; NE-1 ..... Dayton  
 Simmons, Melvin; MA-1 ..... Dallas  
 (1) Simmons, Oscar Jr.; A&S-4 ..... Prairie View  
 Simon, Georgia; ..... Baytown  
 Simpkins, Billy Jo; A&S-1 ..... Ft Worth  
 \*Simpson, James L.; A&S-2 ..... Rosenberg  
 Simpson, Veatrice; HE-3 ..... Houston  
 \*Sims, Van; A&S-Grad ..... Italy  
 Sincere, Lois Jean; A&S-1 ..... Houston  
 Smith, Allen; A&S-4 ..... Edwards, Miss.  
 Smith, Billy C.; A&S-2 ..... Ft. Worth  
 Smith, Bonnie F.; A&S-2 ..... Pittsburg  
 Smith, Charles; A&S-1 ..... Henderson  
 \*Smith, Clinton B.; A&S-1 ..... Luling  
 Smith, Dorothy; A&S-4 ..... Groesbeck  
 \*(1) Smith, Cullen O.; A&S-Grad ..... Ft. Worth  
 \*Smith, D. S.; Ag-4 ..... Gause  
 Smith, Dorothy Lee; A&S-1 ..... Camden  
 Smith, Edith C.; A&S-3 ..... Texarkana  
 Smith, Edna; A&S-3 ..... Texarkana  
 Smith, Elbert; A&S-4 ..... Galveston  
 Smith, Erma Jean; HE-1 ..... Hempstead  
 Smith, Esther R.; A&S-1 ..... Dallas  
 Smith, Eva Lee; HE-2 ..... Houston  
 Smith, Exa Louise; A&S-1 ..... Hearne  
 Smith, Faye O.; HE-4 ..... Huntsville  
 (2) Smith, Gertrude; A&S-Grad ..... Prairie View  
 \*Smith, Harold W.; MA-1 ..... Houston  
 \*Smith, Harvey L.; Ag-1 ..... Port Lavaca  
 Smith, Haywood C.; A&S-1 ..... Glidden  
 \*Smith, James C.; Ag-4 ..... Gause  
 Smith, James E.; Ag-2 ..... Luling  
 Smith, Jessie M.; A&S-2 ..... Texarkana  
 Smith, Joe E.; A&S-4 ..... Beaumont  
 Smith, Johnnie V.; A&S-2 ..... Gause  
 (1) Smith, Latrell; HE-1 ..... Neece  
 \*Smith, Lavera; HE-Grad ..... Beaumont  
 \*(2) Smith, Lavern; Ag-4 ..... Dekalb  
 Smith, Lester; A&S-2 ..... Baytown  
 Smith, Marjorie; HE-2 ..... Henderson  
 (1) Smith, Melverine; A&S-1 ..... Omaha  
 Smith, Norma; A&S-1 ..... Ft. Worth  
 (1) Smith, Robert; Ag-2 ..... Jefferson  
 Smith, Roland D.; A&S-1 ..... Houston  
 \*Smith, Willie; Ag-1 ..... Houston  
 \*Smith, Ural; Ag-1 ..... Houston  
 (1) Smothers, Claiborne; (A&S-1) ..... Malakoff  
 Smothers, Worpheina; A&S-3 ..... Malakoff  
 Sneed, Bernice; HE-2 ..... Cunev  
 Sneed, Burton; Ag-4 ..... Cunev  
 Snell, Lerline; A&S-2 ..... Burkeville  
 Solomon, James M.; A&S-3 ..... Prairie View  
 \*Solomon, Thomas R., Jr.;  
 A&S-3 ..... Prairie View  
 Southall, Loraine; A&S-1 ..... Markham  
 Sowell, Jereline; HE-3 ..... San Augustine  
 (2) Sparks, Nuthel Ree; HE-1 ..... Mars'all  
 (1) Spates, Clifford; A&S-4 ..... Ft. Worth  
 \*Spence, Milt; Ag-4 ..... Marietta  
 Spencer, Vernell; NE-1 ..... Somerville  
 Spivey, Clara; A&S-2 ..... Madisenville  
 \*(1) Square, Ernest; A&S-2 ..... Tyler  
 Stafford, James O.; A&S-1 ..... Baytown  
 Standifer, Joe; A&S-4 ..... Itasca  
 \*Stanley, John; A&S-2 ..... Linden  
 Starr, Helen; HE-3 ..... Palestine  
 Stagger, Eddie Dean; 1T ..... Hooks  
 Stein, Billie Gene; Ag-1 ..... Mt. Enterprise  
 Stein, LoJoie; A&S-3 ..... Mt. Enterprise  
 Stephens, Barbara; HE-2 ..... Devers  
 Stein, Martha; HE-3 ..... Mt. Enterprise  
 Stell, Maizie; A&S-2 ..... Ennis  
 (1) Sterling, Louella H.; HE-Grad ..... Houston  
 Stern, Dorothy; A&S-2 ..... Omaha  
 (1) Etevens, Estella; HE-4 ..... Wharton  
 Stevenson, Leroy; Ag-3 ..... Big Sandy  
 Steward, Geraldine; A&S-1 ..... Houston  
 Stewart, Ernestine; HE-4 ..... Denver  
 (2) Stewart, Eva Mae; HE-4 ..... College Sta.  
 Stewart, Inez; HE-4 ..... Denver  
 Stewart, Jessye; A&S-4 ..... Corpus Christi  
 Stewart, Joe H.; A&S-3 ..... Bryan  
 Stewart, John R.; A&S-3 ..... Bryan  
 Stewart, John W.; A&S-2 ..... Houston  
 \*Stewart, Johnnie; A&S-3 ..... Calvert  
 Stewart, L. V.; Ag-3 ..... Weimar  
 Stiles, Rogers; A&S-4 ..... San Antonio  
 Stinnett, Robert; A&S-1 ..... Dallas  
 \*Stoney, Raymond; MA-4 ..... Corpus Christi  
 Stout, Doris J.; A&S-2 ..... Ft. Worth  
 \*Stovall, Leonard; A&S-4 ..... Galveston

Strickland, Doris; A&S-3	Texarkana
*Strickland, Osborne; A&S-4	Texarkana
Strickland, James; A&S-1	Houston
Stringfellow, Floyd; A&S-3	Marshall
Stroud, Billye; A&S-1	Calvert
Stubblefield, Toabias; MA-2T	Willis
Stubblefield, Walter; Ag-4	Willis
Stykes, Vernice; HE-4	Giddings
Sublet, Benjamin; MA-4	Waco
Sullivan, James; A&S-1	Greenville
(2) Sullivan, Roy Lee; Ag-2	Stockdale
Summers, Ophelia; HE-4	Dallas
*Sumuel, William; MA-4	Palestine
Sutton, Rosie	
*Swanson, Floyd T.; A&S-2	Palestine
Sylvester, Ernest; A&S-1	Beaumont
Talley, Louise; A&S-2	Dallas
Tanner, Eva L.; A&S-4	San Antonio
*Tapscott, Charles; A&S-2	Prairie View
Tarver, Golden; A&S-4	Mt. Pleasant
(1) Tate, John C.; MA-Grad	Lufkin
(1) Tatum, Amelia E.; A&S-1	Ft Worth
Tatum, Carl; MA-4	Wacahachie
Tatum, Charles E.; A&S-2	Center
Tatum, Easter; A&S-1	Jacksonville
Tatum, James L.; A&S-3	Mineola
Taylor, Bettye; A&S-2	Texarkana
(1) Taylor, Celestine; HE-4	Iberia, La.
Taylor, Charles; A&S-2	Floydada
*Taylor, Edward; MA-4	Baytown
(1) Taylor, Estelle; A&S-3	Daingerfield
Taylor, Georgia A.; A&S-2	Kilgore
Taylor, Georgia H.; HE-3	Galveston
Taylor, Gertha; A&S-Spec	Marlin
Taylor, Harold; A&S-1	Houston
*Taylor, Henry; A&S-4	Hempstead
*Taylor, Jarnice; A&S-2	Marlin
(1) Taylor, Lytle; A&S-Grad	San Antonio
*Taylor, Marshall; MA-4	Cameron
*Taylor, Marvin; MA-4	Longview
Taylor, Queen E.; A&S-2	Diboll
Taylor, Samuel; MA-1	Waxahachie
(1) Taylor, Velma; HE-4	Bay City
*Taylor, Verdine; A&S-2	Hempstead
*Taylor, Violet; A&S-Grad	Ft. Worth
*Teno, John; A&S-2	Jeanette
*(1) Terrill, James M.; A&S-1	Victoria
Theus, Dessie; HE-2	Trinity
Thomas, Bobbie; A&S-2	Dallas
Thomas, Charlene; A&S-4	Ft. Worth
Thomas, Donald; MA-3	Ft. Worth
Thomas, Doretha; HE-4	Houston
*Thomas, Douglas B.; Ag-4	Bay City
Thomas, Eunice; A&S-1	Sulphur Springs
(2) Thomas, Hersey;	
A&S-Grad	Shreveport, La.
Thomas, J. C.; A&S-1	Garrison
Thomas, Katie; A&S-1	Houston
Thomas, Lavata L.; A&S-1	Henderson
Thomas, Marye; A&S-2	Malakoff
(1) Thomas, Marie; A&S-3	Ft. Worth
Thomas, T. C.; MA-1	Ft Worth
Thompson, Berna; A&S-1	Lockhart
(1) Thompson, Billy; A&S-1	Dallas
*Thompson, Buford; A&S-3	Mineola
Thompson, Clara; A&S-1	Marshall
Thompson, Emma L.;	
H.E.-Grad	San Antonio
*Thompson, Freeman; MA-1	Luling
Thompson, Henry H.; A&S-1	Mineola
Thompson, Limmy P.; A&S-3	Mineola
Thompson, Maye E.; HE-2	Big City
Thompson, Rudolph; A&S-4	Tyler
Thompson, Sarah; HE-2	Marshall
Thompson, Theresa; A&S-2	Edna
Thompson, Verlene; NE-2	Houston
Thompson, Wilfred; A&S-2	Bastrop
Thornton, Bobbye L.; A&S-1	Dallas
Thornton, Willie L.; A&S-4	Calvert
Thrash, Doris L.; HE-1	Campbell
Tigney, Carl H.; Ag-2	Houston
Tippens, Oressia; A&S-1	Oakwood
Tippett, Dana; A&S-1	Longview
Tippett, Gloria; A&S-1	Longview
Tipps, Cathell; A&S-1	Laneville
Todd, Frederick; A&S-2	Dallas
Toland, Mae Jessie; A&S-2	Brenham
Toler, Gladys; NE-1	Prairie View
Tolbert, Otis C.; A&S-1	Dallas
*Toles, Willie R.; A&S-Grad	Calvert
*Toliver, William; MA-Spec	Brenham
*Tolliver, Melvin; A&S-4	San Marcos
*(2) Tompkins, Othalia;	
Touchstone, Evelyn; NE-2	Waco
A&S-Grad	Ft. Worth
Trahan, Lionell; A&S-1	Beaumont
Tramble, Lorenza; A&S-2	Bryan
Travis, Leroy; A&S-4	Galveston
(1) Traylor, Earlie; HE-4	Daingerfield
Traylor, Elma; A&S-Grad	Marshall
Trimble, Edward; MA-IT	Overton
Trimble, Jarvis; Ag-1	Henderson
Trimble, Malora; A&S-4	Overton
*Trotty, Archie; Ag-3	Trinity
Truvillian, Alma; A&S-3	Hillsboro
Trivillion, Dora R.; A&S-1	Newton
Tubbs, Billie Geo.; A&S-1	Dallas
Turner, Billie; A&S-1	Los Angeles, Calif.
Turner, Charles E.; MA-IT	Dayton
Turner, Hazel; A&S-4	Abilene
Turner, Pricilla; A&S-1	Bryan
Turner, Rufus; Ag-4	Dayton
*Turner, Wilbur; Ag-4	Naples
(2) Tutt, Louise; A&S-4	Dallas
Twine, Elizabeth; A&S-3	Galveston
*Tyler, Finus; Ag-3	Travick
Underwood, Willow Nell; A&S-4	Dallas
Upson, Dora Lee; HE-1	Willis
(1) Van, Irvin Maude; A&S-4	Prairie View
Venerable, Lela; A&S-1	Dallas
*Ventors, Rufus; A&S-4	Corsicana
*Vernon, Mary Ella; HE-1	Oakwood
Vonner, Lorine; NE-4	Crockett
Vonner, Quinton; Ag-4	Crockett
Waddleton, Elastus; MA-2T	Winnboro
*Waddleton, Elsie; HE-2	Winnboro
*Waddleton, Ozell; MA-IT	Winnboro
Wade, Curtis; A&S-4	Douglass
Wade, Murline D.; HE-3	Queen City
Wade, William; MA-2T	Tyler
Wadley, Prentice; A&S-1	Corsicana
Wagner, Ida; A&S-2	Frederick, Okla.
Walters, Darlene; HE-3	Tenny
Walters, Thresa; NE-4	San Antonio
(2) Waites, Leroy; A&S-Spec	Prairie View
*Walker, Albert; MA-3	Chickasha, Okla.
(2) Walker, Arleatha; HE-4	Ennis
Walker, Clarice; A&S-3	New Boston
(2) Walker, Jefferson D.;	
A&S-Grad	Baytown
(1) Walker, John; MA-Grad	San Antonio
Walker, Johnnie; A&S-3	Hempstead
Walker, Johnnie M.; A&S-1	Bryan
(2) Walker, Massaree; HE-4	San Antonio
Walker, Minnie; MA-2	Overton
Wall, Paul L.; Grad-Spec.	Corsicana
*Wallace, Cloyance; A&S-1	Middleton
Wallace, Lorenzo; A&S-2	James
Wallace, Lucille; HE-4	Bryan
Wallace, Ulysses; Ag-4	Bryan
*Wallace, Verance; A&S-2	Gonzales
Wallace, Winona; A&S-1	Houston
Waller, Carrie; A&S-3	Corsicana
Wallas, Cleopatra; HE-1	Tyler
Walton, Curtis; A&S-3	Carghage
Walton, Joseph; A&S-4	Galveston

(1) Walton, Lois H.; A&S-Grad ..... Winona  
 Walton, Mose H.; A&S-2T ..... Houston  
 Walton, Tommie; MA-2 ..... Houston  
 Walton, Willard L.; A&S-1 ..... Winona  
 Ward, Rachel A.; NE-1 ..... Houston  
 Warner, L. Vernice Taylor;  
 A&S-4 ..... San Antonio  
 \*Warren, Curtis; A&S-2 ..... Atlanta  
 Warren, Floyd; Ag-2 ..... Moody  
 Warren, Herman L.; Ag-1 ..... Tyler  
 Warren, Jeanette; A&S-2 ..... Naples  
 Warren, Jessie; HE-2 ..... Shelby  
 (1) Washington, Artye; A&S-4 ..... Trinity  
 (2) Washington, Charles; IA-1 ..... Galveston  
 (2) Washington, E. L.; Absentia ..... Mexia  
 Washington, George; A&S-3 ..... Henderson  
 Washington, Jessye; A&S-2 ..... Dallas  
 Washington, Evelyn; A&S-2 ..... Hearne  
 \*Washington, Joe; A&S-2 ..... Rosenberg  
 Washington, Jordan Thomas; A&S-4 Luf. in  
 Washington, Lillie; A&S-2 ..... Hearne  
 Washington, Lucy; A&S-2 ..... Mineral Wells  
 Washington, Myrtle; A&S-1 ..... Corsicana  
 Washington, Ruth E.; HE-2 ..... Lufkin  
 \*Washington, Travis J.; Ag-2 ..... Point  
 Washington, Travis W.; MA-2 ..... Bryan  
 Washington, Virgil; A&S-1 ..... Dickson  
 Watkins, Helen; A&S-4 ..... Houston  
 \*Watkins, Marion; A&S-4 ..... Ft. Worth  
 Watson, Charles M.; HE-2 ..... Ft. Worth  
 Watson, Clarence; A&S-1 ..... Bracketville  
 Watson, Fred, A.; Ag-4 ..... Prairie View  
 \*Watson, Harold; MA-1T ..... Hempstead  
 \*Watson, James F.; A&S-4 ..... Calvert  
 Watson, Jean M.; A&S-1 ..... Ft. Worth  
 \*(1) Watson, Joe; MA-3T ..... Franklin  
 \*Weathers, Jack J.; MA-1T ..... Hempstead  
 (1) Webb, Mae Helen; A&S-1 ..... Calvert  
 Webber, Hiawatha; A&S-3 ..... Normagee  
 Webster, Dorothy; A&S-1 ..... Hearne  
 \*Webster, Ermon; MA-1 ..... Hearne  
 \*Webster, Waymon; A&S-2 ..... Hearne  
 Wedgeworth, Mary; HE-2 ..... Mexia  
 Wells, Cameron; A&S-3 ..... Prairie View  
 \*Wells, Gwendolyn; HE-1 ..... Prairie View  
 \*Wells, Luther T.; A&S-Grad ..... Liberty  
 Wells, Mary; A&S-1 ..... Baytown  
 Wesley, Verdell; HE-4 ..... Navasota  
 Westbrook, Helen; HE-2 ..... Bastrop  
 Westbrook, Jewelene; A&S-1 ..... Buna  
 Whitaker, Ben; Ag-3 ..... Nacogdoches  
 White, Betty J.; A&S-2 ..... Dallas  
 \*White, Billie; Ag-4 ..... Athens  
 White, Dorothy; A&S-2 ..... Beaumont  
 (1) White, Elois; A&S-4 ..... Beaumont  
 \*White, Jake; MA-1T ..... Austin  
 White, James C.; A&S-1 ..... Mineola  
 White, Johnnie Mae;  
 A&S-Grad ..... Prairie View  
 \*White, Olivian; A&S-Grad ..... Prairie View  
 White, Ola Mae; HE-4 ..... Jasper  
 White, Olevia; A&S-4 ..... San Antonio  
 White, Sarah; HE-4 ..... Navasota  
 \*White, Thomas; Ag-3 ..... Yoakum  
 (1) White, Virgie; MA-2 ..... Houston  
 \*White, Whamon; Ag-2 ..... Houston  
 Whitehead, Everett; A&S-Spec ..... Houston  
 Whiting, Milton; Ag-1 ..... Washington  
 Whitson, Frank; MA-4 ..... Franklin  
 Wickliff, Raymond; A&S-1 ..... Liberty  
 Wideman, Sammie; A&S-1 ..... Lindale  
 Wilburn, Lois; A&S-4 ..... Chapel Hill  
 Wilburn, Robert; A&S-3 ..... Ft. Worth  
 Wilcoits, Earline; A&S-2 ..... Kaufman  
 (1) Wilcoits, Sam; MA-1 ..... Boley, Oklahoma  
 Wiley, Ollie Mae; HE-4 ..... Crockett  
 \*Wiley, Oscar; Ag-2 ..... Crockett  
 Wilkerson, Claudie; HE-4 ..... Cameron

Wilkerson, Eliza M.; A&S-1 ..... Cameron  
 Wilkerson, Rudolph; A&S-1 ..... Ft. Worth  
 Williams, Alene; NE-4 ..... San Antonio  
 Williams, Alma J.; A&S-4 ..... Lubbock  
 \*Williams, Alonzo; A&S-4 ..... Hempstead  
 Williams, Alonzo Jr.; A&S-2 ..... Gainsville  
 Williams, Alton B.; MA-1 ..... College Station  
 (1) Williams, Andrew Willie;  
 A&S-1 ..... Calvert  
 (2) Williams, Andrew W.; A&S-1 ..... Calvert  
 Williams, Anna S.; A&S-2 ..... Houston  
 Williams, Arstar; A&S-4 ..... Kilgore  
 Williams, Barbara;  
 A&S-3 ..... Tennessee Colony  
 Williams, Bettye Jean; HE-1 ..... Dallas  
 Williams, Bobbye J.; A&S-1 ..... Dickinson  
 Williams, Brenette; HE-4 ..... Crockett  
 \*Williams, Cecil; Ag-3 ..... Huntsville  
 \*Williams, Cleveland; Ag-4 ..... Point  
 (1) Williams, Curtis; A&S-Grad ..... Calvert  
 (1) Williams, Ella; HE-1 ..... Groesbeck  
 \*Williams, Elijah; Ag-4 ..... Cameron  
 Williams, Estella; A&S-3 ..... Calvert  
 Williams, Evelyn; HE-1 ..... Markham  
 Williams, Farris; A&S-1 ..... Beaumont  
 Williams, George; A&S-4 ..... San Antonio  
 Williams, Herman; A&S-2 ..... Hearne  
 Williams, Ida M.; HE-4 ..... Bellville  
 Williams, James; A&S-1 ..... Jefferson  
 Williams, Jesse; A&S-3 ..... Tennessee Colony  
 Williams, Jewel; A&S-1 ..... Ft. Worth  
 Williams, Jimmie; HE-2 ..... Hooks  
 Williams, John W.; A&S-1 ..... Camden  
 Williams, Joe A.; A&S-2 ..... Austin  
 Williams, Joel; A&S-3 ..... Bay City  
 \*Williams, John H.; Ag-3 ..... Hempstead  
 Williams, Joyce; A&S-1 ..... Bryan  
 (1) Williams, Josie M.; HE-Grad ..... Leona  
 Williams, Laura L.; A&S-3 ..... Wichita Falls  
 Williams, Laverne; HE-4 ..... Tyler  
 Williams, Leslie; Ag-1 ..... Granger  
 Williams, Lofton; A&S-1 ..... Galveston  
 Williams, Mary L.; A&S-2 ..... Corsicana  
 Williams, Maye R.; HE-4 ..... Tyler  
 (1) Williams, Mary L.; A&S-1 ..... Overton  
 Williams, Nathaniel; A&S-2 ..... Lubbock  
 (2) Williams, Oliver W.;  
 A&S-1 ..... Sulphur Springs  
 Williams, Ollie; Ag-4 ..... Hempstead  
 Williams, Pearl Elaine; A&S-1 ..... Tyler  
 \*Williams, Richard; MA-1T ..... Hempstead  
 Williams, Robert; A&S-2 ..... Dallas  
 Williams, Sam; A&S-1 ..... Houston  
 Williams, Serline; A&S-3 ..... Tyler  
 Williams, Simuel; A&S-1 ..... Palestine  
 Williams, Vernell; MA-2 ..... Houston  
 \*Williams, Willie; HE-1 ..... Jasper  
 Williams, Willena O.;  
 Williams, Winston; Ag-4 ..... Longview  
 Williams, Zelma; A&S-2 ..... Italy  
 Willis, Bessie; NE-2 ..... Silsbee  
 Willis, George; Ag-2 ..... Alto  
 Willis, John H.; Ag-3 ..... Longview  
 (2) Willis, Josie Lee; A&S-4 ..... Grapeland  
 Willis, Wilmer; A&S-1 ..... Bremond  
 Wills, Alice; HE-3 ..... Lockhart  
 Wills, Alma Faye; A&S-1 ..... Lockhart  
 Wilson, Alfreda; HE-2 ..... Westhoff  
 \*Wilson, Artie; 1T ..... Houston  
 \*Wilson, Farris; Ag-3 ..... Seguin  
 Wilson, Helen A.; HE-4 ..... Overton  
 (2) Wilson, Jesse M.; A&S-Grad ..... Corsicana  
 Wilson, Lillian HE-4 ..... Ennis  
 Wilson, Sherman; A&S-Grad ..... Corsicana  
 Wilson, Willie Martin; Ag-2 ..... Longview  
 Wilson, Willie S.; Ag-2 ..... Hughes Spring  
 Winn, Martha; A&S-4 ..... Dallas  
 (1) Winfield, Betty; A&S-2 ..... Galveston

(1) Wiseman, Billy; MA-3 .....	Waco	(1) Wright, Georgia; A&S-1 .....	Omaha
Womack, Peyton; A&S-2 .....	Houston	Wright, Gwendolyn; A&S-1 .....	Marshall
Woodard, Margie R.; A&S-1 .....	Galveston	(2) Wright, Helen; A&S-Grad .....	Bryan
*Woodard, Robert C.; Ag-Grad .....	Braboria	Wright, Herman; Ag-2 .....	Kirbyville
Woodard, Theophilus; A&S-2 .....	Cedar Lake	Wright, Jessie; HE-2 .....	El Reno, Okla.
Woodfork, Burna D.; HE-2 .....	Lyons	Wright, Louis J.; Ag-1 .....	Brazoria
Woods, Delores; A&S-4 .....	San Antonio	Wright, Marlene; A&S-1 .....	Houston
Woods, Dorothy;		Wright, Pearl; HE-2 .....	Kirbyville
Woods, Eva B.; A&S-4 .....	Jasper	*Wright, Samuel; MA-4 .....	Texarkana
Woods, Georgia; HE-4 .....	Overtown	Wright, Thurman; A&S-3 .....	Houston
*Woods, Leon A.; A&S-Grad .....	San Antonio	Wyche, Charlie; A&S-2 .....	Galveston
Woods, Theola; A&S-Grad .....	Prairie View	Wyche, Mary; NE-2 .....	Houston
Woodson, Auria; HE-3 .....	Houston	Yepp, Frank C.; A&S-2 .....	Calvert
Woodson, Grady; MA-1T .....	Colorado	Yepp, Lois R.; A&S-4 .....	Calvert
Woolfolk, Douglass;		Young, Bettye J.; A&S-2 .....	Timpson
A&S-Spec .....	Prairie View	Young, Georgia; A&S-1 .....	Paris
Woolridge, Exell; A&S-1 .....	Longview	*Young, Hayward; MA-4 .....	Prairie View
Wormley, Etta; A&S-2 .....	Giddings	Young, Margaret; A&S-1 .....	Paris
Wortham, Rosa; HE-1 .....	Pennington	(2) Young, Pauline;	
Wright, Arthur; A&S-4 .....	Bremond	A&S-Grad .....	Shreveport, La.
Wright, Bettye; A&S-2 .....	Lockhard	Young, Phillip; A&S-4 .....	Nacogdoches
Wright, Clinton; Ag-3 .....	Kirbyville	Young, Rudolph; MA-2 .....	Cameron
Wright, Earl; A&S-1 .....	Houston	(1) Young, Verdine; A&S-3 .....	Port Arthur
Wright, Ethel; HE-3 .....	Liberty	(1) Young, Yvetta D.; A&S-Grad .....	Austin

## EXTENSION SCHOOLS ENROLLMENT

Symbols: F—Female; M—Male; Town or City—Location or type of Extension Work.

Abercrombie, Theresa, F, Galveston	Boatner, Australia, M, Jasper
Abner, M. M., F, Bastrop	Boatner, Sudie, F, Jasper
Adams, Effie P., Jasper	Bolden, Evelyn, F, Fort Worth
Adams, Ester A., M, Beaumont	Bolden, Vernon Van, M, Texarkana
Adams, Gertrude, F, Cuero	Boney, Jew D., M, Agriculture
Alexander, Alice, F, Fort Worth	Boone, Leola H., F, Van Vleck
Alexander, John L., M, Agriculture	Boozer, Irene A., F, Corsicana
Alford, Earlene, F, Fort Worth	Eoudreaux, Gertrude, F, Beaumont
Allen, AnJell, F, Galveston	Bowie, Preatha, F, Jasper
Allen, Eva Polk, F, Bryan	Bowie, Roberta, F, Jasper
Allen, Juanita, F, Corsicana	Brew, Wilma C., F, Port Arthur
Allen, Ulysses E., M, Tyler	Brewer, Jerissa, F, Corsicana
Alton, Constance, F, Texarkana	Briscoe, Edward, M, Fort Worth
Alton, Willie C., M, Agriculture	Briscoe, Jewell E., F, Fort Worth
Anderson, Dessie M., F, Mexia	Briscoe, Robert S., M, Mexia
Anderson, Lillian A., F, Cuero	Brodnax; Florence, F, Beaumont
Anderson, Loleta, F, Galveston	Brown, Artelia, F, Bastrop
Anderson, Lonnie J., F, Bastrop	Brown, Catheryne, F, Bryan
Anderson, Mae H., F, Beaumont	Brown, Elenna, F, Van Vleck
Andrews, Sadie M., F, Corsicana	Brown, Lillie E., F, Bastrop
Arline, Ollie V., F, Beaumont	Brown, Mary Allene, F, Bastrop
Armbrister, Lizzie, F, Brenham	Brown, Rosa Lee, Van Vleck
Arterbery, Althea J., F, Sherman-Bonham	Brown, Rosetta, F, Austin
Atkins, Augustus, M, Agriculture	Bryant, Grace V., F, Austin
Avant, Gertrude, F, Cuero	Burns, Jim H., M, Agriculture
Begneris, Samantha, F, Beaumont	Burrow, Mary Lee, F, Fort Worth
Ballenger, Charles, M, Tyler	Butler, Fannie, F, Galveston
Ballenger, Dora, F, Tyler	Byrd, Sybil M., F, Galveston
Banks, Grace L., F, Van Vleck	Cade, John, F, Jasper
Banks, Olivia M., F, Brenham	Callier, Lula, F, Bryan
Barefield, Thelma, F, San Antonio	Calvin, Anna Mary, F, Van Vleck
Barksdale, Anita, F, Galveston	Campbell, E. L., M, Corsicana
Barksdale, Leonard, M, Galveston	Campbell, Julia M., F, Bryan
Barnes, Viola W., F, Beaumont	Carmen, Roland J., M, Galveston
Barnett, Ruth, P., F, Fort Worth	Carroll, Mammie, F, Cuero
Batiste, Boyd Etta, F, Galveston	Carroll, Tennie, M, Corsicana
Baukrite, L. D., M, Bryan	Carroll, Vina H., F, Cuero
Bell, Lorene, F, Texarkana	Carter, Earlene O., F, Cuero
Bell, Sirsel G., F, Bastrop	Carter, Ernestine, F, Texarkana
Bell, Ulysses S., M, Bryan	Carter, Laura D., F, Bastrop
Benson, Lula J., F, Beaumont	Carter, Jacqueline, F, Bryan
Berrell, Byrdie F., F, Galveston	Casimere, Irene, F, Galveston
Berry, Perry L., M, Agriculture	Castine, Hazel M., F, Fort Worth
Bias, Ada M., F, Beaumont	Chandler, Ellen Ray, F, Brenham
Bloeker, Nona Mae, F, Bryan	Chaney, Alice M., F, Jasper
Bluitt, Beatrice, F, Mexia	Chapman, Clayton R., F, Sherman-Bonham
Boardingham, Willie, F, Texarkana	Chapman, Noble V., F, Sherman-Bonham

- Cheeks, Lou Ella, F, San Antonio  
 Chretien, Oneta, F, San Antonio  
 Christopher, Stampel, F, Tyler  
 Clark, Aslee, F, Tyler  
 Clark, Carrie L., F, Beaumont  
 Clark, Thelma B., F, Galveston  
 Clay, Jessie B., F, Brenham  
 Clay, Lela Eloise, F, Beaumont  
 Cleveland, Eola, F, Beaumont  
 Cleveland, Erie O., F, Brenham  
 Clouser, Gerald, M, Galveston  
 Coker, George, M, Bryan  
 Coleman, Alice V., F, Sherman-Bonham  
 Coleman, Florence, F, Jasper  
 Coleman, Pearl A., F, Corsicana  
 Coleman, Sherman, M, Jasper  
 Collins, Carrie M., F, Port Arthur  
 Collins, Harold, M, Agriculture  
 Conway, Arzalia, F, Port Arthur  
 Cooksey, Roxie A., F, Corsicana  
 Cooper, Eldridge, M, Austin  
 Cooper, Elia B., F, Brenham  
 Corley, Maxine, F, Van Vleck  
 Coss, Lura B., F, Tyler  
 Cotton, Alice, F, Mexia  
 Cotton, Alfria, F, Mexia  
 Cotton, Edwin Etta, F, Mexia  
 Cotton, Walter F., M, Corsicana  
 Countee, Annie M., F, Cuero  
 Craney, Willie B., F, Bastrop  
 Craven, Ruby, F, Beaumont  
 Crawford, Corine, F, Texarkana  
 Crayton, Patricia, F, Brenham  
 Crecy, Mary Lee, F, Van Vleck  
 Criner, Holiday, M, Port Arthur  
 Criner, Louie, J., M, Agriculture  
 Crockett, Cunnie, F, Van Vleck  
 Cunningham, Alice, F, Cuero  
 Cunningham, Elnora, F, Port Arthur  
 Cunningham, Iney C., M, Agriculture  
 Cunningham, Irene, F, Beaumont  
 Curtis, Jonathan, M, Mexia  
 Curtis, Maggie F., F, Mexia  
 Daniels, Eunice, M, Agriculture  
 Daniels, Willie R., F, Texarkana  
 Davenport, Delores, F, Beaumont  
 Davenport, Ruth, F, Corsicana  
 Davenport, William, M, Corsicana  
 Davidson, Ojill, F, Mexia  
 Davis, Christine, F, Van Vleck  
 Davis, Matt B., M, Tyler  
 Davis, Myrtle P., F, Corsicana  
 Davis, Pauline C., F, Tyler  
 Davis, Rosa V., F, Bryan  
 Delaney, Ada W., F, Galveston  
 Derry, Dolphus J., M, Agriculture  
 Deshay, William, M, Bastrop  
 Dial, James Q., M, Agriculture  
 Dill, Thelma Faye, F, Sherman-Bonham  
 Dix, Helen Evans, F, Bryan  
 Dobbins, Lucille, F, Austin  
 Dobbins, Mary L., F, Austin  
 Dorsey, Thurman, M, Mexia  
 Douglass, Alfred, M, Bryan  
 Douglass, Blanche, F, Bryan  
 Dowdell, Bobbie, F, Texarkana  
 Downs, Bessye L., F, Jasper  
 Doyle, Mary J., F, Austin  
 Dunlavy, Eulalia, F, Port Worth  
 Durst, Floris K., F, Bastrop  
 Duval, Dewitt T., M, Brenham  
 Echols, Jack, M, Mexia  
 Edmerson, Julia, F, Port Arthur  
 Edmerson, Lee R., M, San Antonio  
 Edwards, Constance, F, Beaumont  
 Edwards, Mammie, F, Cuero  
 Elliott, Thelma, F, Austin  
 Estelle, Annie, F, Brenham  
 Eugene, Admonia, F, Beaumont  
 Farris, James, M, Mexia  
 Ferrell, Daisey, F, Port Worth  
 Fisher, Juanita, F, Beaumont  
 Flint, Dorothy, F, Port Worth  
 Flowers, Hattie, F, Brenham  
 Foreman, Robert B., M, Mexia  
 Foreman, Rochelle, F, Mexia  
 Foster, Birdie, F, Mexia  
 Francis, Hilda, F, Van Vleck  
 Frank, Freddie A., M, Galveston  
 Franklin, Olivia D., F, Bastrop  
 Freeman, Betonio, M, Mexia  
 Friend, Lilliam M., F, Jasper  
 Fulton, Rose Mae, F, Port Arthur  
 Gabriel, Gertrude, F, Corsicana  
 Gardner, Camille, F, Port Worth  
 Gardner, Thelma, F, Galveston  
 Gatlin, Sarah L., F, Jasper  
 Gayner, Willa W., F, Texarkana  
 Giles, Leon G., M, Galveston  
 Gill, Nettie, F, Beaumont  
 Gilis, Inez A., F, Galveston  
 Glaze, Katheryn, F, Port Worth  
 Govan, Reuben S., M, Agriculture  
 Grant, Callie V., F, Cuero  
 Gratts, Verdie, F, Port Worth  
 Gray, Eula, F, Port Worth  
 Grays, Eddie M., F, Bryan  
 Grays, Inez M., F, Bryan  
 Grays, Tee L., F, Bryan  
 Grays, Zack W., M, Bryan  
 Green, Florida, F, Galveston  
 Greene, Erma L., F, Van Vleck  
 Grimes, Lillie A., F, San Antonio  
 Grimes, Olga J., F, Beaumont  
 Guayden, Irene, F, Port Worth  
 Hall, Bama T., F, Bryan  
 Hall, Esther L., F, Austin  
 Hall, Mildred D., F, Austin  
 Hampton, Mert A., M, Agriculture  
 Hardee, Johnnie D., F, Corsicana  
 Hardeman, Pinkie, F, Van Vleck  
 Harkey, Jewel W., F, Port Worth  
 Harper, Herman, M, Galveston  
 Harper, McNoble, M, Agriculture  
 Harris, Bernice E., F, Galveston  
 Harris, Gaudia M., F, Port Worth  
 Harris, Gwendolyn, F, Austin  
 Harris, Lawrence, M, San Antonio  
 Hatchett, Pauline, F, Bryan  
 Hawkins, James H., M, Bryan  
 Hawkins, Mattie L., F, Jasper  
 Hayden, Edgar I., M, Agriculture  
 Haywood, Corene, F, Cuero  
 Heard, Pinkie, F, Mexia  
 Henderson, Arthur, M, Port Arthur  
 Henderson, Raymond, M, Mexia  
 Henry, Arnetta, M, Agriculture  
 Henry, Booker T., M, Agriculture  
 Henry, Julia H., F, Mexia  
 Hicks, Jodie S., F, Texarkana  
 Hicks, Laurabeth, F, San Antonio  
 Hicks, Willie R., M, Port Arthur  
 Hicks, Wilmer K., M, Texarkana  
 Hill, Booker T., M, Agriculture  
 Hill, Samuel L., M, Agriculture  
 Hodge, Lottie, F, Galveston  
 Holden, Helen M., F, Austin  
 Holloway, Clara, F, San Antonio  
 Holloway, Jewel W., M, Agriculture  
 Hooks, Arelinnie, F, Texarkana  
 Hooper, Russell, M, Agriculture  
 Houston, Zula M., F, Cuero  
 Howard, Agnes M., F, Texarkana  
 Hudson, Marie E., F, Corsicana  
 Humphrey, Charlotte, F, Galveston  
 Humphries, Artelia, F, Bastrop



- Hunter, Alice B., F, Galveston  
 Hunter, Benjamin F., M, Tyler  
 Hunter, Bernice M., F, Bastrop  
 Hurdle, Isaiah, F, Austin  
 Ingram, Dorothy, F, Port Arthur  
 Jackson, Ada L., G, Galveston  
 Jackson, Arrelia, F, Bryan  
 Jackson, Corine M., F, Texarkana  
 Jackson, Eugenia, F, Beaumont  
 Jackson, Evelyn L., F, Tyler  
 Jackson, Hazel L., F, Galveston  
 Jackson, Mary W., F, Van Vleck  
 Jackson, Riley C., M, Bastrop  
 Jackson, Sedonia E., F, Galveston  
 James, Annie L., F, Cuero  
 Jean, R. M., F, Port Arthur  
 Jefferson, Calvin, M, Bryan  
 Jefferson, Joanna, F, Bryan  
 Jeffrey, Ruby E., F, Fort Worth  
 Johns, Clarence, M, Beaumont  
 Johns, Willia M., F, Beaumont  
 Johnson, Birdie K., F, Beaumont  
 Johnson, Blanche T., F, Cuero  
 Johnson, Bunyan, F, Mexia  
 Johnson, Cladie, F, Bastrop  
 Johnson, Erby T., M, Agriculture  
 Johnson, Erma J., F, Tyler  
 Johnson, Johnny, F, Mexia  
 Johnson, Lucy F., F, Mexia  
 Johnson, Stella, F, Sherman-Bonham  
 Jones, Esther T., F, San Antonio  
 Jones, Emma R., F, Texarkana  
 Jones, Jaromie, M, Mexia  
 Jones, L. C., M, Bastrop  
 Jones, Leoma, F, Bryan  
 Jones, Mabel B., F, Galveston  
 Jones, Mabel C., F, Cuero  
 Jones, Mamie, F, Corsicana  
 Jones, Ollie C., F, Corsicana  
 Jones, Theima L., F, Galveston  
 Jones, Tom W., M, Bryan  
 Joyce, B. L., M, Austin  
 Keele, Melzora, F, Texarkana  
 Kelly, Hattie L., F, Fort Worth  
 Kelly, Myrtle E., F, San Antonio  
 Kennedy, Jimmie V., M, Agriculture  
 Kennison, Harrison R., M, Agriculture  
 King, Arizona, F, Mexia  
 Kirven, Lewis, M, Mexia  
 Kline, Noah V., M, Agriculture  
 Knox, Mabel E., F, Bryan  
 Kuykendall, Minor, M, Bryan  
 Lac, Arizona, F, Corsicana  
 Langley, Henrietta, F, Tyler  
 Langston, Nettie C., F, Galveston  
 Latson, Leila M., F, Bryan  
 Launza, Eula, F, Mexia  
 Lawson, Dorothy, F, Austin  
 Lee, Jewell E., F, Austin  
 Lee, Rose, F, Galveston  
 Leggett, Ruzelle, M, Agriculture  
 Lequey, Eloise, F, Bastrop  
 Lewis, Robert A., M, Agriculture  
 Lewis, Theresa, F, Galveston  
 Linson, Helen W., F, Texarkana  
 Linton, Dolores L., F, San Antonio  
 Lister, Lawrence, M, Corsicana  
 Lister, Terie, F, Corsicana  
 Livingston, Eugenia, F, Fort Worth  
 Lloyd, Thomas H., M, Corsicana  
 Loving, Gwendolyn, F, Fort Worth  
 Love, Marguerite, F, Corsicana  
 Luter, Grace T., F, San Antonio  
 Lyons, Dorothy, F, Port Arthur  
 McAlister, Robert, M, Austin  
 McAlister, Ruth, F, Austin  
 McCullouch, Annie M., F, Texarkana  
 McCullouch, Daniel L., M, Agriculture  
 McDonald, Vivian, F, Austin  
 McGaffey, Nina H., F, Van Vleck  
 McGee, Cecile, F, Mexia  
 McGowen, James, M, Galveston  
 McIntyre, Geneva, F, Sherman-Bonham  
 McIntyre, Lula B., F, San Antonio  
 McKinney, Lillian, F, San Antonio  
 McPaul, Mamie W., F, Bastrop  
 Mack, Belver, F, Jasper  
 Mack, Mary F., F, Brenham  
 Maddrey, Etta P., F, Sherman-Bonham  
 Malone, Prairie V., F, Jasper  
 Mann, Viriana, F, Port Arthur  
 Marion, Cora L., F, Beaumont  
 Marshall, Ethel M., F, San Antonio  
 Marshall, Zenolia, F, Corsicana  
 Martin, Anna M., F, Austin  
 Martin, Ethel G., F, Port Arthur  
 Mason, Hannah, F, Jasper  
 Massington, Opal, F, Mexia  
 Matthews, Helen L., F, Port Arthur  
 Matthews, Juanita, F, Beaumont  
 Mattox, Helen, F, Jasper  
 Mayes, Ruth M., F, Austin  
 Meador, Kelly L., M, Austin  
 Meedy, Freddie R., F, Tyler  
 Merrither, Louise, M, Mexia  
 Minkens, Georgia, F, Port Arthur  
 Mitchell, Bertice H., F, Fort Worth  
 Mock, Rebecca W., F, Galveston  
 Molett, Francis, M, Port Arthur  
 Molett, Naomi G., F, Beaumont  
 Montgomery, Gwendolyn, F, Texarkana  
 Montgomery, Martha, F, Tyler  
 Moocy, Martha, F, Corsicana  
 Moore, Estalene, F, Bryan  
 Moore, Johnnie M., F, Corsicana  
 Moore, Maggie J., F, Corsicana  
 Moore, Maggie J., F, Corsicana  
 Moore, Maurice M., M, Brenham  
 Moore, Wendell, M., Agriculture  
 Moore, Zadie B., F, Corsicana  
 Morris, Josephine, F, Cuero  
 Moseley, Frederick, M, Mexia  
 Moseley, Gladys A., F, Mexia  
 Moss, Lucille, F, Sherman-Bonham  
 Murphy, Euma L., F, Mexia  
 Neal, Corria C., F, Tyler  
 Neblett, Pauline, F, Sherman-Bonham  
 New, Cecil H., M, Texarkana  
 Nicholas, Marie L., F, Galveston  
 Nix, Lucille H., F, Fort Worth  
 Noah, Leon D., M, Galveston  
 Nobles, Rosie, F, Cuero  
 Norman, Verbe, M, Agriculture  
 Norris, Consuella, F, Fort Worth  
 Ocheltree, Lorraine, F, Bryan  
 Ogletree, Marion M., F, Mexia  
 Oliphant, Imelda C., F, Mexia  
 Oliver, Ida L., F, Van Vleck  
 O'Neal, Addison W., M, Agriculture  
 Orr, Christena L., F, Corsicana  
 Orr, Leo E., M, Corsicana  
 Owens Clarence B., M, Agriculture  
 Owens, Ennis M., F, Bryan  
 Pace, Mildred B., F, Bryan  
 Palmer, Ferdinand, M, Van Vleck  
 Palmer, Minnie, F, Jasper  
 Palmer, Olive R., F, Jasper  
 Palmer, W. H., M, Jasper and Agriculture  
 Parish, Jessie, F, Bryan  
 Patton, Lucille, F, Bastrop  
 Payne, Lamar, M, Tyler  
 Payne, Romie, F, Mexia  
 Payton, Elnora, F, Galveston  
 Peacock, Jessie L., F, Jasper  
 Peacock, Pearlle, F, Jasper  
 Pendergraft, Lena, F, Galveston

- Penigar, Thelma, F, Fort Worth  
 Phillips, Australia, M, Mexia  
 Phillips, Mary F., F, Mexia  
 Pierce, Vivian, F, Fort Worth  
 Pigford, Jessie, F, Mexia  
 Pigford, Oneita, F, Mexia  
 Pinkard, Gladys L., F, Mexia  
 Pipkin, Edward, M, Agriculture  
 Pleasants, Lureaster, F, Cuero  
 Pollock, Rubie, F, Mexia  
 Poole, Betty G., F, Austin  
 Powell, Myrtle, F, Beaumont  
 Powell, Wilhelmina, F, Texarkana  
 Prater, Ernestine, F, Galveston  
 Precipha, Ethel, F, Mexia  
 Precipha, Walter, M, Mexia  
 Precipha, Willie J., F, Mexia  
 Preston, Marie B., F, Van Vleck  
 Priestley, Clarence, M, Bastrop  
 Proctor, Eliza, F, Mexia  
 Pryor, Gerthie L., F, Bastrop  
 Randle, Bertina S., F, Brenham  
 Randle, Eulene L., F, Bastrop  
 Ravare, Lillian T., F, Beaumont  
 Reason, George M., M, Galveston  
 Richard, Paul C., M, Port Arthur  
 Richardson, Rose, F, Jasper  
 Roberson, Mattie L., F, Sherman-Bonham  
 Roberts, Marie A., F, Galveston  
 Robinson, Audra L., F, Galveston  
 Robinson, Freeman, M, Corsicana  
 Robinson, Marvin A., M, Agriculture  
 Rogers, Maude C., F, Beaumont  
 Ross, Annie M., F, Corsicana  
 Ross, Exia C., F, Corsicana  
 Ross, Marguerite W., F, Beaumont  
 Rucker, Pansy, F, Texarkana  
 Sampson, Sylvester, M, Texarkana  
 Samuels, Layon, M, Jasper  
 Samuel, Rube, F, Jasper  
 Sanders, Frederic, F, Tyler  
 Scarlett, Maxwell C., M, Fort Worth  
 Scurry, Doris E., F, Bryan  
 Secrett, Thelma, F, Brenham  
 Seidel, Willie Mae, F, Brenham  
 Sewell, Mary L., F, Galveston  
 Seymour, Mamie, F, Beaumont  
 Shaw, Ruth L., F, Bryan  
 Sheppard, Maggie, F, Bryan  
 Sidney, Sophie R., F, Van Vleck  
 Simmons, Booker, M, Jasper  
 Simmons, Joseph, M, Galveston  
 Simmons, Stephen, M, Jasper  
 Simms, Annie R., F, Austin  
 Simpson, George, M, Galveston  
 Simpson, Viola B., F, Texarkana  
 Singletary, Willie L., M, Agriculture  
 Smith, Alva J., F, Corsicana  
 Smith, Dorothy G., F, Texarkana  
 Smith, Eddie G., F, Texarkana  
 Smith, Ella M., F, Fort Worth  
 Smith, Elley W., M, Agriculture  
 Smith, Julia M., F, Texarkana  
 Smith, Lillian, F, Austin  
 Smith, Lucille, F, Mexia  
 Smith, Lucy T., F, Galveston  
 Smith, Tennessee, F, Fort Worth  
 Smith, Willie P., F, Corsicana  
 Sparks, Curtis, M, Corsicana  
 Sparks, Willie M., F, Corsicana  
 Spigner, Willie D., M, Bryan  
 Stafford, George H., M, Brenham  
 Sparks, Vivian T., F, Galveston  
 Steptoe, Bertha, F, Galveston  
 Stevens, Elonza R., M, Van Vleck  
 Stevens, Erma B., F, Van Vleck  
 Stevens, George D., M, Fort Worth  
 Stewart, Ella M., F, Van Vleck  
 Stewart, Essie D., F, Texarkana  
 Stewart, Nellie D., F, Fort Worth  
 Stewart, Rubye G., F, Fort Worth  
 Stewart, Ursule R., M, Port Arthur  
 Storey, Bertha, F, San Antonio  
 Stratton, Polly E., F, Van Vleck  
 Strong, Madelyn, F, Austin  
 Stykes, Leno O., M, Brenham  
 Sublette, Pearl, F, Texarkana  
 Sutton, Jeffrey, M, Austin  
 Tarver, K. E., M, Beaumont  
 Tatum, Nellie V., F, Beaumont  
 Taylor, Charles E., M, Galveston  
 Taylor, Ethel R., F, Austin  
 Taylor, Hallie B., F, Galveston  
 Taylor, Pearl E., F, Jasper  
 Thomas, Chester, M, Corsicana  
 Thomas, Constance M., F, Beaumont  
 Thomas, James E., F, Fort Worth  
 Thomas, M. M., M, Bastrop  
 Thomas, Vallie H., F, Beaumont  
 Thompson, Ethel P., F, Tyler  
 Thompson, Gilon, M, Agriculture  
 Thompson, Jodie L., F, Austin  
 Tippins, Dorothy, F, Galveston  
 Tisdale, Annie B., F, Austin  
 Tolbert, Ruth, F, Bryan  
 Toliver, Ella J., F, Brenham  
 Tyrone, Ruth E., F, Cuero  
 Upshaw, Ruth, F, Austin  
 Varner, Pauline, F, Fort Worth  
 Vaughns, Kathryn, F, Texarkana  
 Wade, Frank J., M, Agriculture  
 Wade, Lillian, F, Fort Worth  
 Wade, Lois A., F, Port Arthur  
 Wade, Myrtle L., F, Beaumont  
 Walker, Doris C., F, Austin  
 Walker, Georgia, F, Corsicana  
 Wallace, Lawrence, M, Agriculture  
 Wallace, Maude M., F, Beaumont  
 Walton, Alcenia, F, Sherman-Bonham  
 Walton, Erma B., F, Corsicana  
 Ware, Albert L., M, Agriculture  
 Warren, Valeria, F, Austin  
 Wash, Margaret S., F, Texarkana  
 Wash, Mary L., F, Texarkana  
 Washington, Ada H., F, Austin  
 Washington, Bertha, F, Bastrop  
 Washington, Elias, M, Brenham  
 Washington, Gladys, F, Beaumont  
 Washington, Iola V., F, Texarkana  
 Washington, Marguerit, F, Cuero  
 Watkins, Edie R., M, Agriculture  
 Watts, Mary A., F, Corsicana  
 Weaver, Jetty E., M, Texarkana  
 White, Bessie C., F, Brenham  
 White, Charles W., M, Agriculture  
 White, James, M, Van Vleck  
 White, Mae F., F, Jasper  
 White, Nellie B., F, Cuero  
 Whitlow, Aldina L., F, Texarkana  
 Whitlow, Vera K., F, Port Arthur  
 Willard, Emberie, F, Texarkana  
 Willard, Faye, F, Beaumont  
 Williams, Dollie, F, Bryan  
 Williams, Josie, F, Brenham  
 Williams, Lizzie, F, Port Arthur  
 Williams, Lois, F, Mexia  
 Williams, Ruth G., F, Galveston  
 Williams, Wilhelm, F, Van Vleck  
 Williams, Wilma, F, Corsicana  
 Willis, Sallye J., F, Bryan  
 Wilson, Charles E., F, San Antonio  
 Wilson, Frances D., F, Sherman-Bonham  
 Wilson, Itasco, F, San Antonio  
 Wilson, Sedalia, F, Bastrop  
 Wimbish, Callie, F, Cuero

Wimbish, Oscar L., M, Cuero  
 Winchester, Annie, F, Beaumont  
 Winston, Mary F., F, Austin  
 Windlow, Octavia, F, Mexia  
 Woodfork, Irvin Hugh, M, Brenham  
 Woodfork, Maggie E., F, Brenham  
 Wooly, Cecil, M, Bryan  
 Wormley, Clara E., Brenham

Wright, Ervin M., F, Galveston  
 Wright, Velma L., F, Tyler  
 Wynn, Dora A., F, Tyler  
 Yeldell, Etta M., F, Corsicana  
 Young, Grace N., F, Van Vleck  
 Young, Naomi, F, Van Vleck  
 Young Veola H., F, Austin  
 Zachery, Lillie, F, Texarkana

### PRAIRIE VIEW TRAINING SCHOOL 1949-50

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, Ernest, 16, G12, M  
 Alexander, Romeo, 15, G8, M  
 Anderson, Alma Jean, 7, G1, F  
 Anderson, Dorothy, 13, G8, F  
 Anderson, Melvin Lewis, 10, G5, M  
 Arthur, Alton, 14, G11, M  
 Barnes, Herman, 13, G6, M  
 Basie, Essie Lee, 13, G5, F  
 Bean, Albert, 13, G7, M  
 Bean, Amu, 12, G6, M  
 Bean, Dale, 10, G3, M  
 Bean, James, 7, G2, M  
 Bennett, Alfred, 13, G7, M  
 Bennett, Glodine, 14, G8, F  
 Bennett, Iris Jean, 10, G4, F  
 Broughton, Darlene, 14, G8, F  
 Broughton, Margie, 10, G4, F  
 Broughton, Ogie, 12, G5, M  
 Brown, George Irvin, 10, G6, M  
 Brown, Ida, 14, G8, F  
 Brown, Jonel, 12, G9, M  
 Brown, Marshall, 12, G6, M  
 Caine, Johnnie B., 18, G12, M  
 Clark, Henry, 8, G2, M  
 Clark, Osborne, 15, G8, M  
 Clark, Pansy, 12, G6, F  
 Coruthers, Jane, 15, G11, F  
 Dailey, James, 15, G10, M  
 Davis, Arnesta, 15, G10, M  
 Day, Juanita, 10, G5, F  
 Deese, Bobbie, 7, G1, M  
 Dooley, Lois Marie, 7, G2, F  
 Evans, Clyde, 13, G8, M  
 Evans, Gilbert, 16, G11, M  
 Felder, Lebraska, 15, G7, M  
 Fry, Francis, 9, G4, M  
 Fry, Irene, 14, G11, F  
 Fuller, Edwilyn, 8, G5, F  
 Gordon, Betty Mae, 14, G10, F  
 Haynes, Bernice, 17, G10, F  
 Haynes, Lovie Jewel, 14, G9, F  
 Henry, Edgar, 10, G5, M  
 Henry, John Robert, 7, G3, M  
 Henry, Martha Ann, 13, G9, F  
 Hilliard, David, 6, G1, M  
 Hilliard, Hattie Pearl, 7, G3, F  
 Hilliard, Roby, 10, G6, M  
 Hughes, Ellen, 16, G10, F  
 Hunter, Billie Joyce, 12, G7, F  
 Jackson, Andrew, 16, G5, M  
 Jackson, Evelyn, 14, G10, F  
 Jackson, Herman, 17, G9, M  
 Jackson, Leroy, 15, G7, M  
 Jeffery, June, 17, G10, F  
 Johnson, Barbara, 15, G10, F  
 Johnson, Bernard, 13, G9, M  
 Johnson, Bernice, 13, G6, F  
 Johnson, Booker T., 7, G2, M  
 Kidd, Rosa Lee, 14, G7, F  
 Kilpatrick, Hortense, 8, G4, F

Kilpatrick, Madison, 6, G1, M  
 Kinchelow, Tanya, 6, G1, M  
 Knotts, Lawrence, 8, G3, M  
 Lee, Linda, 6, G1, F  
 Lee, Myrna, 8, G5, F  
 Lenton, Charlene, 11, G6, F  
 McKenzie, Vivian, 16, G10, F  
 McLemore, Julius, 16, G12, M  
 McLemore, Lawrence, 17, G12, M  
 Mathis, Mildred, 15, G12, F  
 Muse, Arie Ruth, 16, G12, F  
 Mosley, Lavaughn, 15, G10, M  
 Muse, B. J., 13, G6, M  
 Muse, Delores, 10, G5, F  
 Muse, Edward, 6, G1, M  
 Muse, Erma Jean, 10, G4, F  
 Muse, Gloria Joyce, 15, G7, F  
 Muse, Hilliard, 17, G8, M  
 Muse, Lillian, 14, G8, F  
 Muse, Mary Louise, 6, G1, F  
 Muse, Maudesta, 16, G9, F  
 Nicks, Fredric, 15, G9, M  
 Nicks, William J., 17, G12, M  
 Norris, Ernest, 16, G11, M  
 Owens, Ross, 6, G1, M  
 Pace, Cecil, 9, G3, M  
 Pace, Emma Jean, 14, G10, F  
 Pace, Millie, 16, G11, F  
 Pace, Royce, 11, G6, M  
 Phelps, Willie Leola, 16, G12, F  
 Phillip, Cecilia, 12, G7, F  
 Phillip, Jimmie Lee, 15, G11, F  
 Phillip, Stanley, 13, G5, M  
 Poindexter, Alfred, 7, G2, M  
 Randall, James, 10, G6, M  
 Randall, Jon Clayton, 7, G2, M  
 Reed, Carrie, 12, G7, F  
 Reed, Ollie, 15, G7, M  
 Reed, Irvin, 17, G8, M  
 Reed, Ester Bell, 10, G5, F  
 Reynolds, Willie Ray, 17, G8, M  
 Richards, Bryant, 15, G8, M  
 Richards, Janie, 19, G12, F  
 Richards, Lucille, 15, G12, F  
 Richardson, Darlene, 10, G5, F  
 Richardson, Robert, 17, G9, M  
 Rucker, Robert, 17, G9, M  
 Santee, Clarence, 12, G5, M  
 Santee, James, 9, G2, M  
 Santee, Vera Lee, 7, G1, F  
 Scott, Alvin, 8, G3, M  
 Scott, Dazerine, 14, G8, F  
 Scott, Elmer Lee, 8, G2, M  
 Scott, Hattie Bell, 17, G9, F  
 Scott, Hiawatha, 17, G9, M  
 Scott, Ira Bell, 17, G12, F  
 Scott, Ivory Dell, 15, G8, F  
 Scott, Milton, 11, G4, M  
 Scott, Tempie Lee, 16, G7, F  
 Stevens, James, 7, G2, M

Stickney, Janice, 8, G4, F  
 Taylor, Charles, 12, G8, M  
 Tisdell, Hazel, 19, G12, F  
 Tisdell, James, 17, G10, M  
 Tolder, Fred, 10, G5, M  
 Toler, Billy Jean, 16, G10, F  
 Tompkins, Evelyn, 8, G1, F  
 Tompkins, Irene, 10, G6, F  
 Tompkins, Martha Ann, 9, G4, F  
 Vails, Sandra, 6, G1, F  
 Turner, Walter, 16, G7, M  
 Walker, Arthur, 12, G5, M  
 Walker, Charles, 8, G2, M  
 Walker, Edwin, 16, G7, M  
 Walker, Elnora, 17, G10, F  
 Walker, George, 6, G1, M  
 Walker, Richard, 14, G5, M  
 Wallace, Leroy, 14, G8, M  
 Wesley, Franklin, 6, G1, M

White, Mary Louise, 10, G6, F  
 White, Waymon, 13, G7, M  
 Williams, Anglette, 8, G1, F  
 Williams, Bessie, 12, G6, F  
 Williams, Bobbie, 9, G3, F  
 Williams, Elijah, 13, G5, M  
 Williams, Fletcher, 15, G5, M  
 Williams, Helen, 16, G10, F  
 Williams, John C., 7, G2, M  
 Williams, Madeline, 18, G10, F  
 Williams, Mary, 13, G8, F  
 Wilson, Jesse, 13, G7, M  
 Wilson, Mae Helen, 16, G11, F  
 Wood, Curtis, 7, G2, M  
 Wood, Garland, 6, G1, M  
 Woodard, Roosevelt, 12, G5, M  
 Woods, Henriene, 6, G1, F  
 Woods, Louis Calvin, 10, G6, M  
 Woods, Sanderson, 8, G4, M

NURSERY SCHOOL ENROLLMENT

Symbols: F—Female; M—Male; Figures—Age; \*—Part year

Brown, Ashland O'Neal; M, 5  
 Burley, Roy Willis; M, 3  
 Cravin, James; M, 5  
 Dickson, Alfred Daniel; M, 3  
 Dickson, Patricia Lucille; F, 5  
 \*Peggy Ann Ingram; F, 2  
 Guinn, Edward; M, 5  
 Harden, Nathaniel Courtenar, Jr.; M, 3  
 Herndon, Marie; F, 3  
 High, Sandra Metonello; F, 2  
 High, Wanda Bernardette; F, 4  
 High, Yolanda; F, 5  
 Hill, Mary Catherine; F  
 Hill, Sonija Helen; F, 3  
 \*Kinchelow, Juanita; F, 4  
 Kinchelow, Nino; F, 3  
 Love, Carolyn Joyce; F, 4

Lawson, Theodora, F, 5  
 \*McMillan, Lemmon; M, 6  
 McMillan, Robert; M, 4  
 McMillan, Samuel; M, 3  
 \*Melton, Mickael W.; M, 4  
 \*Mickens, Jo Elayne; F, 5  
 O'Banion, Charles Hilliard; M, 5  
 O'Banion, Harriet Ann; F, 2  
 O'Neal, Ruth Eloise; F, 3  
 O'Neal, Phyllis Jane; F, 5  
 Poindexter, Betty Rochelle; F, 5  
 Sams, Rosetta; F, 5  
 \*Smith, Wendell R.; M, 6  
 \*Williams, Barbara Sue; F, 4  
 \*Williams, Alva Justine; F, 6  
 Wood, Barbara Faye; F, 4

NAMES OF GRADUATES

January 1949

Name	Degree	Major
Anderson, Willie J.	B.A.	History
Blanton, George Willie	B.S.	Physical Education
Brown, Thelma D.	B.S.	Physical Education
Butler, Howard Thomas	B.S.	Biology
Corothers, Joe Etta	B.S.	Biology
Corothers, Lewis	B.S.	Biology
Clark, Selma Ruth	B.A.	English
Cleaver, Celestine L.	B.S.	Home Economics
Dawson, Alton N.	B.S.	Agriculture
Ford, Roy D.	B.A.	History
Frazier, Tommy	B.S.	Agriculture
Hill, Alvin J.	B.S.	Agriculture
Kirk, Gretel	B.A.	Business Administration
Lucas, Evelyn Ruth	B.S.	Nursing Education
Lucas, Minnie Lee	B.S.	Nursing Education
McCaughy, Kenneth	B.A.	Business Administration
Pace, Arthur Luther, II	B.S.	Biology
Peters, Thelma Lee	B.S.	Physical Education
Teal, Winston Walton	B.S.	Biology
Walker, Albert Lee	B.S.	Agriculture
Ware, Albert Lee	B.S.	Agriculture
Webster, W. B.	B.S.	Agriculture
Wilborn, Thomas E.	B.S.	Agriculture
Williams, Chester	B.S.	Agriculture
Williams, Clarence	B.A.	History
Young, Ben Arthur	B.S.	Physical Education

## CERTIFICATES OF PROFICIENCY

January 1949

NAME	TRADE SPECIALTY
Abney, Clayton	Carpentry and Cabinet Making
Banks, Willie R.	Carpentry and Cabinet Making
Bell, Marcellus	Tailoring
Brown, Clifford	Tailoring
Crear, Clyde	Tailoring
Dade, Cornell M.	Radio Repair and Maintenance
Gilmore, Chester	Tailoring
Kendrick, Alvin J.	Automobile Mechanics
Monmouth, Reuben	Tailoring
Neal, Robert B.	Tailoring
Orange, Edgar Wilson	Tailoring
Tolliver, William Edward, Jr.	Electrical Repair and Maintenance

SUMMARY OF DEGREES,  
DIPLOMAS AND CERTIFICATES

January 1949

	Male	Female	Total
Bachelor of Arts	4	2	6
Bachelor of Science	6	3	9
Bachelor of Science in Agriculture	8	0	8
Bachelor of Science in Home Economics	0	1	1
Bachelor of Science in Nursing Education	0	2	2
Trade Certificate	12	0	12
Total	30	8	38

## NAMES OF GRADUATES

May 1949

Name	Degree	Major
Alexander, Pearl B.	B.S.	Home Economics
Amey, Thomas E.	B.S.	Agriculture
Anderson, Huretta	B.A.	Music
Anderson, Irene Doris	B.S.	Home Economics
Anderson, Roy Quincy	M.S.	Adm. and Supv.
Baker, Helen Claire	B.S.	Sociology
Baldwin, Nellie Pearl	B.S.	Business Administration
Ball, Saleda Vera Lee	B.S.	Home Economics
Barlow, Eva Jane	M.S.	Adm. and Supv.
Bell, Esel Davis	B.S.	Home Economics
Bigsby, Edwin Maurice	B.A.	Music
Bowens, Alfred Lee	B.S.	Biology
Bradford, Gloria K.	B.A.	History-Government
Breedlove, Gerald Ruth	B.S.	Home Economics
Briggs, Virgie Lee	B.S.	Home Economics
Briscoe, Sam	B.S.	Physical Education
Britton, Lawrence M.	B.S.	Agriculture
Brown, Lillian Ella	B.S.	Home Economics
Burns, Velasta T.	B.S.	Home Economics
Burrell, Fred D.	B.S.	Agriculture
Carruth, Willie Mae	B.A.	Business Administration
Christopher, Jerline G.	B.S.	Home Economics
Clay, Matthews	B.S.	Industrial Education
Clay, Tommie S.	B.S.	Home Economics
Claybon, Esther Gloria	B.S.	Physical Education
Claye, Vera Willodean M.	B.S.	Home Economics
Cobb, Allie Beatrice	B.S.	Mathematics
Coleman, Coolidge	B.S.	Agriculture
Collins, Samuel R.	B.S.	Industrial Education
Cotton, Johnnie Mae	B.S.	Home Economics
Crain, Maurice LaVerne	B.A.	English
Cravin, Charlesetta S.	B.S.	Home Economics
Culberson, Artemesie	B.S.	Home Economics

Name	Degree	Major
Curry, Bishop B. Jr.	B.S.	Agriculture
Daniel, Dorothy R.	B.S.	Home Economics
Daniels, Lawrence A., Jr.	B.S.	Biology
Davis, Alice Pauline	B.S.	Physical Education
Davis, Johnnie Ruth S.	B.S.	Home Economics
Davis, Melvin Stevens	B.S.	Biology
Davis, Merlene L.	B.S.	Biology
Dickson, Estelle	B.A.	Business Administration
Dillard, Ward Jr.	B.S.	Agriculture
Dorsey, Edna Mae	B.S.	Sociology
Downs, Jeraldine W.	B.S.	Home Economics
English, Leon G.	M.S.	Agricultural Economics
Evans, Catherine W.	B.S.	Home Economics
Evans, Jerelene	B.S.	Industrial Education
Fielder, Robert Claire	B.S.	Home Economics
Fobbs, Oliver Archie	B.S.	Agriculture
Fox, Onis Venita	B.S.	Home Economics
Frazier, Dorsey Jean	B.A.	Business Administration
Freeman, John Lane	B.S.	Agriculture
Gardner, Annie Mae	B.A.	Business Administration
Garland, Tommie Lee	B.S.	Home Economics
Gerald, William R., Jr.	B.S.	Biology
Gibson, Louis Edna	B.A.	Music
Hall, Doris Jean	B.A.	Sociology
Hall, Minnie Mae	B.S.	Home Economics
Hallmon, Grant Terrell	B.S.	Agriculture
Harris, Herbert C.	B.A.	Music
Harris, James D.	M.S.	Agricultural Economics
Harrison, Ray A., Jr.	B.S.	Agriculture
Hayes, Luella Marie	B.A.	English
Heard, Paris E.	B.S.	Agriculture
Henderson, Lavaniel L.	B.S.	Agriculture
Henry, Maud Alexander	B.S.	Home Economics
Herriett, Lessie Mae	B.S.	Home Economics
Hightower, Irene	B.A.	History
Hines, Harry James	M.S.	Adm. and Supv.
Huff, Lonnie Ray	B.S.	Agriculture
Hunt, Willie Mae	B.S.	Home Economics
Hunter, Blynthia L.	B.A.	Business Administration
Hunter, Emma Lee P.	B.S.	Education
Isaac, Coydell E.	B.S.	Industrial Education
James, Chleo Anthony	B.S.	Chemistry
James, Freddie Mae	B.S.	Home Economics
Jingles, Marjorie Delores	B.A.	Music
Johnson, Erby T.	B.S.	Agriculture
Johnson, Thelma Lois B.	B.S.	Home Economics
Johnston, William C., Jr.	B.A.	Economics
Jones, Marion Lois	B.S.	Home Economics
Jones, Roscoe Riley	B.A.	History
Jones, Ruth Elaine	B.S.	Home Economics
Keith, Ida Mae	B.A.	Business Administration
Kendrick, Margie Ree	B.S.	Home Economics
Kilpatrick, Alice	M.S.	Education
Kimble, George N.	B.A.	Music
King, Ruby Claire	B.S.	Home Economics
King, Willeola	B.A.	Sociology
Kirby, Maxine	B.S.	Home Economics
Langston, Essie Georgia	B.S.	Home Economics
Leach, Henry L.	B.A.	History
Levingston, Mae Helen	B.S.	Home Economics
Lewis, James O.	B.S.	Agriculture
Love, Agnes J.	B.S.	Physical Education
McDaniel, Doyle Lee	M.S.	Agricultural Economics
McDonald, Betty Jean	B.S.	Home Economics
McDonald, Mattie Mae	B.S.	Physical Education
McKinney, Milton	B.A.	History
McKnight, Georgia M.	B.A.	Business Administration
McNary, Delores	B.S.	Home Economics
Martin, Ernest Vassal	B.S.	Biology
Matthews, Eugene Hue Jr.	B.S.	Agriculture
Mays, Ora Lee	B.S.	Home Economics
Messiah, Clyde J.	B.S.	Physical Education
Metoyer, Rosa B.	B.A.	Sociology
Moore, Erma Othella	B.S.	Physical Education
Moorer, Mary Frances	B.S.	Home Economics
Morgan, Lola Odom	B.S.	Home Economics
Morgan, Roy N.	B.S.	Industrial Education

Name	Degree	Major
Muckleroy, Effie Herreize	M.S.	Education
Murphy, Tommie Mae	B.S.	Home Economics
Nickerson, Cassie Mae	B.A.	English
Nickelberry, S. J.	B.S.	Agriculture
Parrish, Alma R. G.	B.A.	Business Administration
Patterson, Malvin W., Jr.	B.S.	Biology
Pettie, Henry Jr.	B.S.	Industrial Education
Phillips, Eric Mae	B.S.	Home Economics
Phillips, Joseph R.	B.S.	Mechanical Engineering
Pleasant, Mildred Vivian	B.S.	Home Economics
Priestly, Roger Grey Jr.	B.S.	Industrial Education
Randle, Charles F.	B.S.	Agriculture
Rasmus, Rudolph V.	B.S.	Industrial Education
Richardson, Mae Frances	B.A.	Music
Richmond, Clara Mae	B.S.	Home Economics
Ross, Icie Rene	B.A.	English
Sargent, Bernice	B.A.	English
Saunders, Reba N.	B.S.	Home Economics
Shelton, Myrtle Lee	B.S.	Home Economics
Snoddy, Wailie Mae	B.S.	Home Economics
Spiller, Gladys Beller	B.S.	Home Economics
Standifer, Lonnie N.	B.S.	Agriculture
Stevens, Zella Maxwell	B.S.	Education
Stockton, Massaline R.	B.S.	Physical Education
Stokes, Lois Marie	B.A.	English
Taylor, D. V.	B.S.	Agriculture
Taylor, Gloria N.	B.A.	Music
Thomas, Harl	B.S.	Industrial Education
Thomas, Marjorie Lee	B.A.	Business Administration
Thompson, Earnestine M.	B.S.	Home Economics
Tilley, Ruby Lee	B.S.	Home Economics
Vaughn, Savanna Marie	B.S.	Physical Education
Wallace, Grady T., Jr.	B.S.	Biology
Walton, Lois Hazel	B.A.	Economics
Ware, William D.	B.S.	Agriculture
Washington, Reuben	B.A.	Economics
Wedgeworth, Emmitt B.	B.S.	Agriculture
Wells, Grace Eva	B.A.	Music
White, Inman	M.S.	Agricultural Economics
Whiteside, Albert G.	B.S.	Physical Education
Williams, Doretha	B.A.	Business Administration
Williams, Lottie Ed	B.S.	Home Economics
Willis, Mary Nola	B.S.	Home Economics
Wilson, Ruth LaVerne	B.S.	Home Economics
Wilson, Sherman	B.S.	Chemistry
Winn, Robert Jr.	B.S.	Industrial Education
Woods, Leverne, J.	B.S.	Home Economics
Zephyr, Charlece	B.A.	Business Administration
Zephyr, Mary E.	B.S.	Home Economics

## CERTIFICATES OF PROFICIENCY

May 1949

NAME	TRADE SPECIALTY
Chatham, Cleophus	Tailoring
Clay, Matthews	Machine Shop
Collins, Samuel R.	Plumbing
Crowder, Cleon	Tailoring
Davis, Edward C.	Tailoring
Dean, Frank Jr.	Automobile Mechanics
Donnell, Aaron B.	Tailoring
Fields, John W.	Tailoring
Giles, Ira	Radio Repair and Maintenance
Giles, Kempilton L., II	Tailoring
Green, Curley	Electrical Repair and Maintenance
Greer, Walter C., Jr.	Interior Decorating and Painting
Hines, Allen, J.	Automobile Mechanics, Interior Decorating and Painting
Holt, Joe	Tailoring
Isaac, Coydell E.	Carpentry and Cabinet Making
Johnson, Will, Jr.	Baking
Kendrick, Lahlman L.	Dry Cleaning
Leonard, Carl W.	Printing
Montgomery, Joseph	Carpentry and Cabinet Making
Morgan, Roy N.	Radio Repair and Maintenance

CERTIFICATES OF PROFICIENCY (Continued)

May 1949

Peters, Sam .....	Tailoring
Priestly, Rogers G., Jr. ....	Wood work
Rasmus, Rudolph V. ....	Automobile Mechanics
Scott, Clarence .....	Automobile Mechanics
Thompson, Douglas .....	Tailoring
Thompson, Tullie N. ....	Tailoring
Wash, Thomas Edward .....	Shoe Repair
Winn, Jr., Robert .....	Tailoring

SUMMARY OF DEGREES,  
DIPLOMAS AND CERTIFICATES

	Male	Female	Total
Bachelor of Arts .....	9	29	38
Bachelor of Arts in Music .....	4	6	10
Bachelor of Science .....	18	13	31
Bachelor of Science in Agriculture .....	33	0	33
Bachelor of Science in Education .....	0	2	2
Bachelor of Science in Home Economics .....	0	55	55
Bachelor of Science in Industrial Education .....	9	1	10
Bachelor of Science in Mechanical Engineering .....	1	0	1
Bachelor of Science in Nursing Education .....	0	3	3
Master of Science .....	6	3	9
Trade Certificate .....	28	0	28
<b>Total .....</b>	<b>108</b>	<b>112</b>	<b>220</b>

NAMES OF GRADUATES

August 1949

Name	Degree	Major
Abrams, Larry Carl .....	M.S.	Agricultural Economics
Adams, Claude R. ....	M.S.	Adm. and Supv.
Alexander, Arthur .....	B.S.	Agriculture
Alexander, David .....	B.S.	Agriculture
Anderson, Garner L. ....	B.S.	Agriculture
Armstrong, Annye Belle .....	M.S.	Elementary Education
Bell, Lee Etta .....	B.S.	Physical Education
Blair, Corean Joyce .....	M.S.	Elementary Education
Board, Edna Theresa .....	M.S.	Elementary Education
Boone, Leola H. ....	B.S.	Education
Bradley, Charles O. ....	M.S.	Adm. and Supv.
Bridges, Ester Hightower .....	M.S.	Elementary Education
Bridges, Mildred .....	B.S.	Home Economics
Brighman, Thaddeus B., Jr. ....	B.S.	Agriculture
Brown, Connie M. ....	B.S.	Biology
Brown, Enos E. ....	M.S.	Agricultural Education
Brown, Fred D. ....	B.S.	Agriculture
Brown, Pauline R. ....	M.S.	Home Economics
Brown, Tommie Lola .....	B.A.	Business Administration
Burley, Ecomet .....	M.S.	Adm. and Supv.
Byrd, James S., Sr. ....	M.S.	Adm. and Supv.
Byrd, Martilla .....	B.S.	Education
Cade, John .....	B.S.	Agriculture
Caldwell, Emmitt Lee .....	B.S.	Agriculture
Carroll, Mamie O. ....	B.A.	English
Carroll, Otto S. ....	B.S.	Mathematics
Carter, I. B. ....	B.S.	Agriculture
Chaney, Melvages Nash .....	B.S.	Home Economics
Churchill, Dolores G. ....	B.A.	Music
Clark, Benjamin F. ....	M.S.	History
Clarke, Iris Elaine .....	M.S.	Sociology
Clay, Jessie B. ....	B.S.	Home Economics
Crawford, Jack H. ....	B.S.	Agriculture
Crawford, Therman C. ....	B.S.	Agriculture
Dabbs, Claude O. ....	B.S.	Physical Education
Daniels, Bledsoe L. ....	B.S.	Agriculture



Name	Degree	Major
Dansby, Annie Belle Moore	M.S.	Elementary Education
Dansby, Cuney Bruce	M.S.	Adm. and Supv.
Dansby, Lera H.	M.S.	Education
Daughterty, Caldonia	B.S.	Education
Davis, Eural Norman	B.S.	Agriculture
Davis, Joseph H. M.	B.A.	Economics
Davis, Maranda	B.S.	Home Economics
Davis, William O.	M.S.	Adm. and Supv.
Daviss, Theodore Roosevelt	M.S.	Adm. and Supv.
DeBose, J. B.	B.A.	Business Administration
DeJean, Mary L.	B.S.	Education
Dorsey, Thurman E.	B.S.	Agriculture
Durdin, Jimmie Lee W.	B.S.	Home Economics
Elzy, Willie Barin	B.A.	History
Emanuel, Jimmie Lee	B.S.	Agriculture
English, Warner L. J.	B.A.	Music
Escoe, Edward Ernest	B.S.	Industrial Education
Forward, Barney Grover	M.S.	Adm. and Supv.
Franklin, Luckie	M.S.	Adm. and Supv.
Frazier, Maud	B.S.	Agriculture
Gamble, Audrey Lee	B.S.	Education
Giles, Marcellus L.	B.S.	Agriculture
Gipson, Audric	B.S.	Industrial Education
Gooden, Burnice	M.S.	History
Gooden, Dora Elizabeth	M.S.	Elementary Education
Goodwyn, Norman H.	B.S.	Industrial Education
Grays, Inez M.	B.S.	Home Economics
Green, Edward Franklin	M.S.	Adm. and Supv.
Greene, Carrie Etta	B.S.	Education
Greene, Cora Louise	B.A.	Business Administration
Greene, Erma Lee	B.S.	Education
Greer, Walter C., Jr.	B.S.	Industrial Education
Hadnot, Nora Lee S.	B.S.	Home Economics
Hampton, Theodore C.	B.S.	Agriculture
Hardeman, Henry Jr.	B.S.	Agriculture
Harden, Harold M., Jr.	B.S.	Biology
Harmon, Marcellus F.	B.A.	Business Administration
Hatchett, Ernest E.	B.S.	Education
Hill, L. J.	B.S.	Agriculture
Houston, Willie W.	B.S.	Education
Jackson, Ethel B.	B.S.	Home Economics
Johns, Clarence A., Jr.	B.S.	Physical Education
Johnson, Annie Lee	B.S.	Home Economics
Johnson, Bertha L.	B.A.	Business Administration
Johnson, Catherine B.	B.S.	Home Economics
Johnson, David P.	M.S.	Adm. and Supv.
Johnson, Eddie Holmes	M.S.	English
Johnson, Julius P.	B.A.	Business Administration
Johnson, Leo James	M.S.	Adm. and Supv.
Johnson, Oscar Berry	B.S.	Agriculture
Jones, Consula F.	M.S.	Elementary Education
Jones, Janie W.	B.S.	Education
Keatts, Rowena Weatherly	M.S.	English
King, Lucille Mitchell	M.S.	Adm. and Supv.
Kinlaw, Eva Belle	B.S.	Home Economics
Knotts, Pearlina	B.S.	Physical Education
Knighton, Emerson S.	M.S.	Education
Lacy, Albert	B.S.	Agriculture
Lawrence, Jack B.	B.S.	Agriculture
Lawson, James C.	B.S.	Agriculture
Lee, Escar R.	M.S.	Agricultural Education
Lee, Francis L.	B.S.	Education
Lewis, Amanda	B.S.	Education
Lewis, Hilliard G.	B.S.	History
Lewis, Milton	B.S.	Agriculture
Lewis, Odis F.	M.S.	Adm. and Supv.
Linwood, Tryphena	M.S.	Elementary Education
McClure, Foster Donald	M.S.	Adm. and Supv.
McDaniel, Robert T.	B.S.	Mathematics
McDonald, Marguerite B.	B.S.	Education
McGowan, Emerson W., Jr.	B.S.	Biology
McNeil, Iriah	B.S.	Agriculture
Malvern, Albert A.	B.S.	Industrial Education
Mark, Jim Bob	M.S.	Agricultural Economics
Martin, Christine M.	B.A.	English
Martin, Grover W.	B.S.	Physical Education

Name	Degree	Major
Mercher, Herbert	M.S.	Physical Education
Miles, Jewel M.	B.A.	English
Miles, Abram Jr.	B.A.	Music
Miller, Marjorie L.	B.A.	Music
Mitchell, Loise Idell	B.A.	Sociology
Mitchell, Peggy R.	B.A.	Business Administration
Mitchell, Tommye Mayes	M.S.	Home Economics
Mitchell, Willie	B.S.	Biology
Moore, Bobbie J. S.	B.S.	Physical Education
Morgan, Cuetta Easley	B.S.	Education
Mosby, Cottrell M.	M.S.	Adm. and Supv.
Mosby, Thomas Willie	M.S.	Adm. and Supv.
Mosley, James	B.A.	Business Administration
Murphy, Vanda A.	B.A.	Physical Education
Oliver, Joseph Greene	M.S.	Adm. and Supv.
Osby, Allean E.	B.S.	Home Economics
Parker, Jeweleane W.	B.S.	Physical Education
Payne, Ruth McPhaul	M.S.	Home Economics
Peoples, William H.	B.S.	Agriculture
Perkins, Louis R.	B.S.	Biology
Pheagans, Lessie L.	B.S.	Education
Polk, Ollie Clifton	B.A.	Business Administration
Prophet, Marjorie A.	B.A.	Sociology
Pruitt, John W.	M.S.	Education
Pugh, Golda Gaston	M.S.	Elementary Education
Ratcliff, Corene	B.S.	Education
Reese, Berdine C.	B.S.	Physical Education
Rhambo, Ernest Lawrence	M.S.	Adm. and Supv.
Rhodes, James L.	B.S.	Industrial Education
Richardson, Morris	B.S.	Agriculture
Sadberry, Jewel Cornelius	M.S.	Agricultural Economics
Sanders, Dorothy Mae	B.A.	Business Administration
Sanford, Carita E. Foley	B.S.	Education
Scott, Mary Jane	B.A.	Business Administration
Settle, John Thomas Jr.	M.S.	Adm. and Supv.
Sheffield, Helen A.	B.A.	Music
Shelby, Laura LaRose	B.S.	Home Economics
Slaughter, Henry Mae	M.S.	Education
Smith, Fannie Mae	B.A.	English
Smith, Lena Iola	B.S.	Home Economics
Snipes, Jerome	B.S.	Agriculture
Spencer, Ethelyn J.	B.S.	English
Spencer, Norris	B.S.	Home Economics
Spriggins, Helen Mae	B.S.	Physical Education
Stanton, Lonnie A.	M.S.	Adm. and Supv.
Tarver, Myrtle R. Mayfield	M.S.	Elementary Education
Tatum, Myrtle R.	B.S.	Education
Taylor, B. J. Hammond	B.S.	Agricultural Education
Taylor, Floyd Doyle	M.S.	Adm. and Supv.
Taylor, Lorene McAfee	M.S.	Elementary Education
Thomas, Ethel Mae H.	B.S.	Home Economics
Thompson, Elma A.	B.S.	Agriculture
Thompson, Willie S.	B.S.	Agriculture
Trahan, Laura Phelps	B.S.	Education
Trim, Constance	B.A.	Music
Valley, Alonzo Herbert	M.S.	Industrial Education
Van Potter, Mattie Neal	M.S.	Elementary Education
Walker, Lillian J.	B.A.	Music
Walton, Jessie Mae H.	B.S.	Home Economics
Warren, Ethel Lee D.	B.S.	Home Economics
Washington, Edward L.	M.S.	Adm. and Supv.
Washington, Roy L.	B.S.	Agriculture
Washington, Samuel Nelson	M.S.	History
Weathersby, Mary R. M.	B.S.	Biology
Williams, Truey	B.S.	Home Economics
Williams, Valrie	B.S.	Education
Williams, Wilhelm	B.A.	Business Administration
Wilson, Dorothy Beatrice	M.S.	Education
Woodard, Robert C.	B.S.	Agriculture
Wright, Clarence L.	B.S.	Industrial Education

## NURSING DIPLOMA

Bracy, Lillian	Bridges, Mildred	Fitzgerald, Shirley	G. Moore, Frances Pearl
Branch, Selma Lois	Carter, Mary A.	Hall, Pellie D.	Nichols, Emma Mae
Bratcher, Joyce Black	Daniels, Ruby L.	Martin, Exa Mae	Phillips, Juanita
			Wiggins, Bertha

## CERTIFICATES OF PROFICIENCY

August 1949

NAME	TRADE SPECIALTY
Alexander, Louise	Tailoring
Armstrong, Allen	Printing
Burks, Chester L.	Tailoring
Collins, Herbert Lee	Shoe Repairing
Daniel, Josiah Rovell	Shoe Repairing
Demerson, Willard J.	Radio Repair and Maintenance
Douglas, Edwin C.	Tailoring
Dugat, Joyce Marie	Secretarial Activities
Duncan, Joseph	Tailoring
Edmondson, Gus T.	Shoe Repairing
Ford, Rolland	Printing
Grice, James K., Jr.	Electrical Repair
Hines, Allen J.	Interior Decorating and Painting
Howard, Jesse Jr.	Shoe Repairing
Johnson, Lula Mae	Tailoring
McCracken, Emanuel	Automobile Mechanics
Matthews, Albert Lee	Baking
Nicholas, Josephine	Tailoring

SUMMARY OF DEGREES,  
DIPLOMAS AND CERTIFICATES

August 1949

	Male	Female	Total
Bachelor of Arts	9	20	29
Bachelor of Arts in Music	4	6	10
Bachelor of Sciences	11	7	18
Bachelor of Science in Agriculture	24	0	24
Bachelor of Science in Education	2	18	20
Bachelor of Science in Home Economics	0	18	18
Bachelor of Science in Industrial Education	7	0	7
Nursing Education Diploma	0	13	13
Master of Science	34	25	59
Trade Certificate	14	4	18
<b>Total</b>	<b>105</b>	<b>111</b>	<b>206</b>

## SUMMARY OF ENROLLMENT

FIRST SEMESTER, 1949-50

	Agri.		A&S		H. Eco.		MA		Nur. Ed.		Total Combined		
	M	F	M	F	M	F	M	F	M	F	M	F	Total
Graduate	10	20	19	3	1	3	1	3	11	31	22	53	
Seniors	87	88	82	1	85	39	3	13	215	181	396		
Juniors	83	94	113	60	42	3	46	338	433	771			
Sophomores	52	140	199	73	27	3	4	219	275	494			
Freshmen	76	201	286	98	58	3	3	338	433	771			
Special	1	1	14	2	2	2	3	4	19	23			
Trade I 1st Year				38	2			38	2	40			
Trade II 2nd Year				46	3			46	3	49			
<b>Total</b>	<b>309</b>	<b>547</b>	<b>713</b>	<b>1</b>	<b>321</b>	<b>253</b>	<b>14</b>	<b>73</b>	<b>1110</b>	<b>1121</b>	<b>2231</b>		

SECOND SEMESTER 1949-50

	Agri.		A&S		H. Eco.		MA		Nur. Ed.		Total Combined		
	M	F	M	F	M	F	M	F	M	F	M	F	Total
Graduate	13	23	27	2	2	2	2	2	12	36	29	65	
Seniors	83	74	85	1	90	31	2	189	189	378			
Juniors	81	92	106	57	37	1	11	210	175	385			
Sophomores	49	138	187	1	71	18	3	206	261	467			
Freshmen	70	181	269	87	54	1	42	305	399	704			
Special	1	6	17	3	7	3	1	14	21	35			
Trade I 1st Year				36	3			36	3	39			
Trade II 2nd Year				30	3			30	3	33			
<b>Total</b>	<b>297</b>	<b>514</b>	<b>691</b>	<b>2</b>	<b>310</b>	<b>213</b>	<b>13</b>	<b>66</b>	<b>1026</b>	<b>1080</b>	<b>2106</b>		

**ENROLLMENT WITHOUT DUPLICATION, 1949-50**  
(Includes 421 Veterans)

	Agri.		A&S		H. Eco.		MA		Nur. Ed.		Total Combined		
	M	F	M	F	M	F	M	F	M	F	M	F	Total
Graduate .....	14	25	35			4		1			40	39	79
Seniors .....	92	88	97	1	100		40	3	11	221	211	432	
Juniors .....	83	96	114		60		44		13	223	187	410	
Sophomores .....	53	147	200	1	73		27	3		228	276	504	
Freshmen .....	78	207	291		98		60	3	46	345	438	783	
Special .....	1	6	18		4		7		3	14	25	39	
2nd Year Trade .....					46		3			46	3	49	
1st Year Trade .....					41		3			41	3	44	
<b>Total .....</b>	<b>321</b>	<b>569</b>	<b>755</b>	<b>2</b>	<b>339</b>		<b>266</b>	<b>15</b>	<b>73</b>	<b>1158</b>	<b>1182</b>	<b>2340</b>	

**ENROLLMENT FIRST TERM SUMMER 1949**  
(Includes 383 Veterans)

	Agri.		A. & S.		H. Econ		M. A.		Nur. Ed.		Total Combined		
	M	F	M	F	M	F	M	F	M	F	M	F	Total
Graduate .....	60	217	417		73		15				292	490	782
Seniors .....	59	52	81		63		19	1	14	130	159	289	
Juniors .....	36	28	65		25		22	1	11	86	102	188	
Sophomores .....	37	50	37		11		11			98	48	146	
Freshmen .....	18	54	36		9		13	3	17	85	65	150	
Special .....		4	7		3		4	4	2	8	16	24	
1st Year Trade .....							29			29		29	
2nd Year Trade .....							18			18		18	
<b>Total .....</b>	<b>210</b>	<b>405</b>	<b>643</b>		<b>184</b>		<b>131</b>	<b>9</b>	<b>44</b>	<b>746</b>	<b>880</b>	<b>1626</b>	

**ENROLLMENT SECOND TERM SUMMER 1949**  
(Including 376 Veterans)

	Agri.		A. & S.		H. Econ		M. A.		Nur. Ed.		Total Combined		
	M	F	M	F	M	F	M	F	M	F	M	F	Total
Graduate .....	29	139	209		61		11				179	270	449
Seniors .....	59	48	86		56		19	1	14	126	157	283	
Juniors .....	35	26	49		23		20	1	11	81	84	165	
Sophomores .....	37	48	32		7		10			95	39	134	
Freshmen .....	18	52	31		8		8	4	18	78	61	139	
Special .....	1	1	5		2		3		2	5	9	14	
2nd Year Trade .....							25			25		25	
1st Year Trade .....							17			17		17	
<b>Total .....</b>	<b>179</b>	<b>314</b>	<b>412</b>		<b>157</b>		<b>113</b>	<b>6</b>	<b>45</b>	<b>606</b>	<b>620</b>	<b>1226</b>	

**ENROLLMENT WITHOUT DUPLICATION—SUMMER 1949**  
(Includes 383 Veterans)

	Agri.		A. & S.		H. Econ		M. A.		Nur. Ed.		Total Combined		
	M	F	M	F	M	F	M	F	M	F	M	F	Total
Graduate .....	66	231	462		78		20				317	540	857
Seniors .....	61	54	90		66		20	1	14	135	171	306	
Juniors .....	37	28	65		25		22	1	11	87	102	189	
Sophomores .....	37	50	37		11		12			99	48	147	
Freshmen .....	18	55	39		9		13	3	17	86	68	154	
Special .....		4	8		3		6	4	2	10	17	27	
1st Year Trade .....							29			29		29	
2nd Year Trade .....							18			18		18	
<b>Total .....</b>	<b>219</b>	<b>422</b>	<b>701</b>		<b>192</b>		<b>140</b>	<b>9</b>	<b>44</b>	<b>781</b>	<b>946</b>	<b>1727</b>	

# DIVISION OF GRADUATE STUDY

## REQUIREMENTS FOR THE MASTER'S DEGREE

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

1. Admission to Candidacy for the Master's Degree—a graduate student enrolled in the Division of Graduate Study does not automatically become a candidate for the Master's Degree. To become a candidate, the student must complete the following requirements:

a. A candidate must be accepted by the departments in which the major and minor work are to be performed. A student to be considered for admission to candidacy for the Master's Degree must present evidence of satisfactory preparation for graduate study in the fields chosen. The general undergraduate record, the record in the fields selected for graduate study, and the record on the graduate work completed will be considered in determining admission to candidacy. As further evidence of satisfactory preparation, the major department may require the candidate to pass a qualifying examination.

b. After twelve semester hours of graduate work have been satisfactorily completed, with an average of "B" or better, a formal application must be made for admission to candidacy. This application, approved by the heads of the major and minor departments, must be submitted to the Director of the Division of Graduate Study not later than twelve weeks prior to the date on which degree is to be conferred.

2. *Residence*—At least a full academic year of the equivalent must be spent in residence and a minimum of thirty semester hours be earned at Prairie View. A student shall not present himself for graduation until he has six months' residence to his credit after the date on which the Graduate Faculty approved his candidacy for an advanced degree.

3. *Course Credits*—At least thirty semester hours of graduate work, including the thesis, must be completed satisfactorily. Ordinarily, twenty semester hours of graduate work in the major field and ten semester hours in the minor field will be required. Not more than 1 workshop, 2 extension courses, 2 institutes, or a total of six semester hours in any combination of these may be counted toward the degree.

4. *English Usage Requirement*—A student who is deficient in English usage but who is otherwise doing satisfactory work will be required to satisfy the Committee on English Usage with regard to his use of the English language, before he is allowed to graduate. Such deficiency might

be determined by an English Usage Examination or by reports of instructors of courses in which a student is registered.

5. *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.

6. *Thesis*—A Candidate for the degree of Master of Science is expected to prepare a thesis as part of the requirements for the degree. The thesis must be written under the direction of a member of the faculty of the Graduate Division in the department in which an individual is working. The thesis must have the approval of each member of the student's reading Committee. This work must be acceptable with respect to both scholarship and literary quality. A candidate for an advanced degree must have his thesis subject approved by his Chairman at least six months before the date he expects to present himself for graduation. A statement of this approval must be filed with the Graduate Office. A candidate should complete his thesis not later than three weeks before the date of his intended graduation in order that it may be examined by each member of the Advisory Committee for the student. The following directions should be rigidly followed in the writing of the thesis.

The thesis should be typewritten, double-spaced on a durable rag bond, 8½ x 11 inches, leaving the left hand margin at least an inch and a quarter wide, the right hand margin at least three-quarters of an inch. Set up the title page according to the following form:

TITLE OF THESIS  
A Thesis  
Presented to the Graduate Division  
of Prairie View Agricultural and Mechanical College  
In Partial Fulfillment of the  
Degree of  
Master of Science  
By  
(Author's Name in Full)  
(Date on which degree is to be conferred)

Following the title page there must be a biographical sketch of the author, not exceeding 200 words. An outline is furnished by the Graduate Office for this purpose. Further directions for thesis preparation will be placed in the hands of the student at the time needed.

Two copies of the thesis must be bound at the expense of the student and filed in the Graduate Office. One copy becomes the property of the Graduate Office.

7. *Application for the Degree*—The candidate must file with the Registrar an application for the degree not later than three weeks preceding the date of the Commencement at which the degree is to be conferred.

8. *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 knowl-

edge 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.

9. *Recommendation for the Degree*—Upon completion of all requirements for the Master's Degree, candidates are certified for graduation by the Chairman of the Committee on Graduate Study. Degrees are publicly conferred at the close of the regular and the summer sessions.

#### *Time Limit on Work for Master's Degree*

A Student must complete his master's work within six consecutive years after his first enrollment in the Graduate Division.

#### *Grading System for Graduate Students*

Course work of graduate students is reported as "A" (95-100); "B" (85-94); "C" (75-84); "D" (65-74); "E" (60-64); "F" (below 60); "I" (Incomplete); and "K" (Delinquent Account).

No graduate credit is given for courses in which a grade lower than "C" is received. In order to show satisfactory progress toward an advanced degree a student must receive an average grade of "B." A graduate student is expected to maintain a "B" average in all his work. If he receives a grade of "C" or lower in one course, his subsequent registration may be restricted; if he receives a grade of "C" or lower in two or more courses, he will be placed upon probation. With further grades below "B," he will become ineligible for candidacy for the Master's Degree.

The work of a graduate student performed in connection with his thesis problem is reported as "satisfactory" or "unsatisfactory."

A graduate student may receive a grade of "I"—incomplete, in a course with the privilege of finishing the work at a later date. "Incomplete" work must be made up within twelve months after the close of the term in which the grade was earned, or no credit will be allowed for the course.

Graduate students registered in courses that are open to advanced undergraduates must do a certain amount of work in addition to that required of undergraduates. The nature of this additional work may be the reading of additional books on the subject and presenting a review of same, the making of reports, or such other work as the teacher in charge of the course may deem wise.

*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.

*Transfer of Graduate Credits*

Graduate work completed in another graduate school of approved standing will be accepted toward the Master's Degree in the Division of Graduate Study at Prairie View Agricultural and Mechanical College, subject to the following conditions:

(1) The credits transferred must represent superior scholarship. No course graded C, or lower, will be accepted.

(2) Transferred credits shall not reduce the residence requirements for the Master's Degree.

(3) The maximum amount of credit that will be accepted toward the Master's Degree is six semester hours.

*Special Note:* Any person reporting for matriculation as a graduate student without having filed an application and other necessary credentials for graduate status (two weeks prior) will be given only tentative graduate status, pending the proper evaluation of undergraduate work. The student should understand that after his credentials have been examined under this tentative arrangement, the institution reserves the right to deny him graduate status even though he has completed all other parts of his registration.

## FIELDS OF STUDY

Major and Minor may be selected in the following fields:

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

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



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

#### RULES AND REGULATIONS FOR GRADUATE SCHOLARSHIPS

1. Each scholarship consists of \$500.00, payable monthly to the scholar in 12 equal installments of \$41.66.
2. A scholarship award covers one long session and one summer session of continuous work, beginning in September and ending in August of the following year.
3. A person receiving the award is expected to render services to the institution in consideration of the award. Such services, *during the long session* are assigned by the Graduate Committee and placed under the supervision of the head of the department in which the scholar takes his major work; and such services, *during the Summer Session* as are administered by the Student's Advisory Committee, subject to approval by the Graduate Committee.
4. Scholarships are assigned by the Graduate Committee, subject to approval by the President, on the basis of scholastic attainment, worthiness of character and promise of success in the principal field to which the applicant proposes to devote himself.
5. The scholar is allowed to carry a maximum load of 12 semester hours during the long session. His load for the summer session is determined by his Advisory Committee.
6. The "dead-line" date for receiving applications is May 15, immediately preceding the school year for which the scholarship award is effective.
7. Scholars appointed are notified of such action on or about June 15.

#### GRADUATE COURSES OF INSTRUCTION

There is presented here a statement of the possibilities of graduate study in the several divisions of the College—in the Regular Session and in the Summer Session.

Students who desire to pursue graduate work should communicate (1) for general information, to the Chairman of the Committee on Graduate Study and (2) for special information about departmental offerings, to the respective Heads of Departments.

#### SCHOOL OF AGRICULTURE

##### AGRICULTURAL ECONOMICS

The prerequisites for majoring in Agricultural Economics is the Bachelor of Science Degree in Agriculture from a recognized college of Agriculture.

To fulfill the requirements for a major in this field, one must complete at least twenty semester hours of work in Agricultural Economics. For the minor, the student is required to complete at least ten semester hours of work in the minor field agreed upon in consultation with the major professor and approved by the Dean. However, if it becomes necessary, the hours required in the major and minor fields may vary to the extent of two or three hours accumulated in either field. In such a case, the total hours must amount to thirty or more.

513. AGRICULTURAL FINANCE. (3-0) *Credit 3*. Financial requirements of individual farmers; emphasis placed on credit institutions serving the farmers. Prerequisite: Principles of Agricultural Economics.

523. MARKETING OF FARM PRODUCTS. (3-0) *Credit 3*. Study of the principles underlying successful marketing of farm products; study made of various middlemen through which farm products pass from the producer to the consumer, trips arranged for the class to visit and study markets. Prerequisite: Principles of Agricultural Economics.

552. AGRICULTURAL ECONOMICS SEMINAR. (2-0) *Credit 2*. Current problems in Agricultural Economics discussed; topics reported by students.

713. ECONOMICS OF AGRICULTURAL PRODUCTION. (3-0) *Credit 3*. Principles of production economics applied to production of major farm products in various areas; economic geography and agriculture, national production programs and the tariff on agricultural products. Prerequisite: Principles of Agricultural Economics.

723. COOPERATIVE MARKETING OF FARM PRODUCTS. (3-0) *Credit 3*. Principles underlying the successful operation of cooperative marketing organizations; examples of successful fruit, vegetable, livestock and cotton marketing associations.

733. ADVANCED FARM MANAGEMENT. BUSINESS ORGANIZATION OF TEXAS FARMS. (3-0) *Credit 3*. Use of farm management principles in the organization and operation of Texas Farms; selecting farms, farm enterprises; planning cropping systems, equipment needs, and capital, trips to representative farms by the class. Prerequisite: Principles of Agricultural Economics.

743. LAND TENURE AND PROBLEMS. (3-0) *Credit 3*. Land as a factor of production, land utilization, tenure and income. Prerequisite: Principles of Agricultural Economics.

763. AGRICULTURAL LAND USE PLANNING. LOCAL, REGIONAL AND NATIONAL. (3-0) *Credit 3*. County, state regional and national land use programs. Submarginal, and supermarginal lands; work of the Farm Security Administration, Department of the Interior, and National Resources Board.

#### AGRICULTURAL EDUCATION

Undergraduate work equivalent to the Bachelor of Science degree in agriculture is required.

501 or 502. AGRICULTURAL EDUCATION SEMINAR. (1-0 or 2-0) *Credit 1 or 2*. Designed for all graduate students having majors in Agricultural Education. Only candidates for an advanced degree are eligible to take this course.

513. METHODS OF CONDUCTING PART-TIME AND EVENING SCHOOLS IN VOCATIONAL AGRICULTURE. (3-0) *Credit 3*. Teaching Vocational Agriculture. Permission of instructor is required. An analysis of the problems related to part-time and evening schools in Vocational Agriculture and to the development of objectives and procedures in the organization and conduct of such instruction.

523. SUPERVISED PRACTICE PROGRAM BUILDING. (3-0) *Credit 3*. Teaching in Vocational Agriculture. Permission of instructor is required. Based upon researches in project accounting and analysis.

533. EXTENSION ORGANIZATION AND PROGRAM DETERMINATION. (3-0) *Credit 3*. Best procedure to be followed in developing state, county, and community programs of work, and outlining of plans of work looking to the orderly development of specific projects; discussion of the place of local leaders in extension teaching; representative organizations of rural people studied for the purpose of discovering points of contact and interest for cooperation in the conduct of extension work.

543. EXTENSION METHODS. (3-0) *Credit 3*. Aims and objectives of extension teaching and possible ways of measuring accomplishments reviewed and critically analyzed; various means and agencies employed in extension teaching as result of demonstrations, method demonstrations, meetings, news articles, personal services, bulletins, exhibits, and circular letters; evaluated from the standpoint of their teaching functions, adaptability, relative influence, cost, inter-relationship and general effectiveness.

553. ORGANIZATION AND CONDUCT OF 4-H CLUB WORK. (3-0) *Credit 3*. Development of 4-H Club programs and organization: objectives; psychological groupings; community integration; program content; community, county, state, and Federal organization, selection and use of local leaders, annual plans of work, evaluation; methods employed in 4-H work: projects, club meetings, demonstrations, judging work, exhibits achievement days, camps, short courses, and leadership training.

562-563. SPECIAL PROBLEMS IN HOME ECONOMICS EXTENSION. (2-0 or 3-0) *Credit 2 or 3*. Extension research and other data of special significance to the organization and conduct of extension work with rural women; Current problems of home demonstration workers.

571 and 571-B. YOUNG FARMER PROBLEMS I AND YOUNG FARMER PROBLEMS II. (1-2) *Credit 1*. A correlate to 572 and 622; given on an un-assembled basis for teachers in service who are enrolled in either Agricultural Education 572 or 622. The classroom instruction in these two courses is followed up on an individual enrollee on-the-job basis.

572. METHODS OF WORKING WITH OUT-OF-SCHOOL GROUPS. (1-2) *Credit 2*. Special techniques for working with young-farmer and adult-

farmer groups on farm and community problems; integration of such work into the total program of Agricultural Education in the community.

622. SUPERVISED FARMING PROGRAM BUILDING FOR OUT-OF-SCHOOL GROUPS. (1-2) *Credit 2*. Enterprise planning, accounting and analysis; selecting and developing over-all supervised farming programs with special reference to working with young-farmer and adult-farmer groups

Ag. Ed. 613. HISTORY AND PHILOSOPHY OF EXTENSION EDUCATION. (3-0) *Credit 3*. Development of Agricultural Extension Education; socio-economic influence responsible for the establishment of extension education; development of agricultural policy that has a bearing on the philosophy of extension education.

Ag. Ed. 623. PUBLIC RELATIONS AND EXTENSION EDUCATION. (3-0) *Credit 3*. Methods and practices of acquainting the public with the scope and purposes of extension work through print, radio, visual aids, and full use of written and spoken word.

Ag. Ed. 633. PSYCHOLOGY FOR EXTENSION WORKERS. (3-0) *Credit 3*. Significance of psychology to extension workers in relation to its meaning, the job of the extension worker, the meaning of education and of teaching; problem of motivation; nature of learning; basic principles and major types of learning; and conditions favorable for learning.

Ag. Ed. 643. EXTENSION WORK EVALUATION. (3-0) *Credit 3*. Measuring results of extension work; sampling procedures, analysis and interpretation, and presentation and use of data in reference to study plans; methods of systematically appraising extension work.

712 or 713. PROBLEMS IN AGRICULTURAL EDUCATION. (2-0 or 3-0) *Credit 2 or 3*. Community-program approach to agricultural problems; scientific approximation of aims, objectives and standards; participation in field experiences and field research.

722 or 723. PRINCIPLES OF TEACHING METHODS IN AGRICULTURAL EDUCATION. (2-0 or 3-0) *Credit 2 or 3*. Logical and psychological bases for selecting methods of teaching agriculture.

SPECIAL NOTE.— *Majors in Agricultural Education will be advised to select additional courses in the field of Rural Education.*

## SCHOOL OF ARTS AND SCIENCES

### BIOLOGY

A student entering graduate study in the field of Biology should present at least an undergraduate minor, 20 hours or the equivalent, which includes: general Zoology, Botany and Physiology. It is preferable that he shall have had enough credits for an undergraduate major in Biology. It is expected that students who plan to qualify for the Master's degree shall become thoroughly grounded in the general principles of general Zoology, Botany, Physiology, Embryology, and Anatomy (comparative and microscopic).

If the transcript of the undergraduate record of a student does not meet the above qualifications, additional satisfactory undergraduate work will be required before the student is admitted to graduate status.

The offerings in Biology on the graduate level have been divided into six fields: (1) Embryology; (2) Genetics; (3) Histology; (4) Microbiology; (5) Physiology; and (6) General Biology plus Special Courses in Biology.

Students seeking a Master's Degree in Biology should present well chosen courses from three of these fields and pursue further work in one field. Programs should be outlined in consultation with the Professors of Biology.

### *I. Embryology*

504. EMBRYOLOGY. (2-4) *Credit 4*. Descriptive embryology; vertebrate development with special reference to mammals; dissections and examination of selected embryological materials, including serial sections of the fetal pig. Prerequisite: Biology 114 and 124.

554. EXPERIMENTAL EMBRYOLOGY. (2-4) *Credit 4*. Modern problems and techniques of the development of the principles and mechanisms of development; analysis in factors operating in the morphogenesis, regeneration and development of selected vertebrates. Prerequisite: Biology 414 and 504.

604. ADVANCED VERTEBRATE EMBRYOLOGY. (2-4) *Credit 4*. Deals primarily with the very early stages in the formation of the human embryo, the mechanism of its implantation in the uterus; correlated changes in the reproductive organs of the mother, organogenesis and histogenesis. Each student takes a special problem in organogenesis. Prerequisites: Biology 414 and 504.

693. BIOLOGY OF SEX. (3-0) *Credit 3*. A consideration of the biological problem of sex.

### *II. Genetics*

574. GENETICS. See Biology 254.

673. CYTO-GENETICS. (3-0) *Credit 3*. Lectures, reports and laboratory work on the finer cell structures with special reference to chromosome structure, related structures and processes involved as they affect heredity.

683. EXPERIMENTAL GENETICS. (3-0) *Credit 3*. Through experimentation to show how variations may be brought about; the techniques of mating and breeding to support accepted facts.

### *III. Microbiology*

594. GENERAL MICROBIOLOGY. See Biology 334.

614. PROTOZOOLOGY. (2-4) *Credit 4*. Structure, Taxonomy, physiology, life history, and adaptations of protozoa, especially the nonparasitic form: Prerequisite: Biology 114 and 124.

624. GENERAL PARASITOLOGY. (2-4) *Credit 4*. Morphology, life history, diagnosis and control of the important parasites affecting man and other animals. Prerequisite: Biology 614.

*IV. Histology*

514. HISTOLOGICAL TECHNIQUE. See Biology 354. In addition to the requirements of 354, the student is required to master some of the special techniques.

524. HISTOLOGY. See Biology 364.

714. CYTOLOGY. (2-4) *Credit 3*. Lectures, reports and laboratory work on the finer structure of cells and processes.

*V. Physiology*

534. GENERAL PHYSIOLOGY. (2-4) *Credit 4*. Functioning of the organ systems along with the chemical and physical processes involved; quantitative experimentation on warm blooded animals basic physiological techniques; original research on a problem. Whenever possible original research sources are consulted for information to acquaint the student with the leading workers in the field and their methods, Prerequisite: Biology 324 and elementary courses in Physics and Chemistry.

544. ENDOCRINOLOGY. (2-4) *Credit 4*. Organs of internal secretion; embryology, phylogeny, microscopic anatomy, and physiology. Prerequisites: Biology, 114, 124, and 324.

584. SPECIAL PHYSIOLOGY OF MAMMALS. (2-4) *Credit 4*. A course including the experiments not given in the general courses.

634. NEUROLOGY. (2-4) *Credit 4*. A brief review of the brain and cranial nerves of the shark; the morphology of the spinal cord and brain of a mammal; the principal tracts and nuclei (reaction systems) of the cord and brain with special reference to the human nervous system.

*VI. General Biology and Special Courses in Biology*

564. SYSTEMATIC BOTANY. (2-4) *Credit 4*. A study of the local flora, giving training in the identification and classification of the higher plants. Prerequisite: Botany 134.

644. PLANT MORPHOLOGY. (2-4) *Credit 4*. Structure, reproduction, and relationships of algae, mosses, ferns, conifers and fungi. Prerequisite: Biology 134.

664. GENERAL INVERTEBRATE ZOOLOGY. (2-4) *Credit 4*. Classification, morphology, embryology, physiology, and life histories of invertebrates exclusive of insects. Prerequisite: Biology 124.

654. NATURAL HISTORY OF VERTEBRATES. (2-4) *Credit 4*. Fundamentals of life histories, relations with environment, and speciation of vertebrates. Introduction to classification of Southwestern species. Prerequisite: Biology 114 and 124.

704. BIOLOGY FOR TEACHERS. This course constitutes a training course for prospective teachers of Zoology and Botany. Lectures or conferences, field and laboratory work. Prerequisites: at least Biology 604 and 644.

600. RESEARCH. (*Credit Arranged*). Research may be carried on in any area listed which the student has a sufficient background.

640-650. SEMINAR IN BIOLOGICAL PROBLEMS. Required of all graduate students in the department. No credit.

## CHEMISTRY

Persons who plan to pursue the graduate degree in chemistry must fulfill the undergraduate requirements stipulated by the department. These requirements are essentially: one year of Inorganic Chemistry, one year of analytical chemistry, one year of organic chemistry, one year of physical chemistry. It is expected that the average grades in these courses and of courses in related fields be not less than a grade of C. The department reserves the right to give a qualification test to students and will make recommendations for the courses needed to enable student to do graduate work in chemistry.

At the completion of a minimum of twelve semester hours of graduate work in chemistry which have been satisfactorily completed with an average of "B" or better a formal application must be made for admission to candidacy. This application must be approved by the heads of the major and minor departments and submitted to the Director of the Graduate School for approval. Research projects for the thesis will be assigned AFTER THE STUDENT HAS BEEN APPROVED AS A CANDIDATE.

It is recommended that persons who plan to qualify for the M.S. Degree in chemistry spend at least two years in residence and that those who plan to study during the summer periods plan to spend at least one summer which can be devoted entirely to research. It is further required that the thesis be of the quality that it may be published in an accepted scientific journal. Below is a suggested outline of study for the various fields of chemistry. These, of course, represent the minimum requirements.

### *Analytical*

Course	Hrs.
Identification of Organic Compounds .....	4 Lab and Lec
Organic theory .....	3 Lec
Physical Chemistry (Advanced) .....	3 Lec
Advanced Inorganic .....	3 Lec
Advanced Analysis .....	6 Lec and Lab
Seminar .....	2
Research .....	2
<b>Total</b> .....	<b>23</b>

### *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 theory .....	3 Lec
Seminar .....	2
Research .....	2
<b>Total</b> .....	<b>23</b>

*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
Research .....	2
Seminar .....	2
<b>Total</b> .....	<b>23</b>

*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 .....	2
<b>Total</b> .....	<b>23</b>

## COURSES

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

613. ADVANCED INORGANIC CHEMISTRY. (3-0) *Credit 3.* The periodic law: several forms of the table. Quantum numbers. A brief discussion of chemical bonds and resonance. Structure and properties of typical non-metallic compounds. Behavior of electrolytes in non-aqueous solvents.

701. CHEMICAL PRINCIPLES. (1-0) *Credit 1.* Fundamental concepts and principles of chemistry; designed especially for persons interested in the teaching of chemistry. Prerequisite: Graduate or advanced undergraduate student.

704. ADVANCED ANALYTICAL CHEMISTRY. (1-6) *Credit 4.* Lecture-recitation: Theory and picture of sampling, solution of refractory materials, special methods of precipitation, use of radio active materials, water analysis, special types of calculations.

Laboratory: Gravimetric and electrolytic separation (limestones and alloys) evolution methods, gas analysis, electrometricoxidation-reduction.

713. IDENTIFICATION OF ORGANIC COMPOUNDS. (Qual. Organic Analysis). The separation and identification of pure organic compounds and mixtures.

723. QUANTITATIVE ORGANIC CHEMISTRY. (1-4) *Credit 3.* The determination of elements and functional groups by Macro-methods with an introduction to micro-methods.

743. ADVANCED TOPICS IN ORGANIC CHEMISTRY. (3-0) (a) Stereochemistry; (b) Reaction Mechanisms; (c) Terpenes and Carbohydrates. 3 hours credit for each topic.



732. **ADVANCED ORGANIC CHEMISTRY.** (2-0) *Credit 2.* A short review of elementary organic chemistry with an extension of more advanced topics. Includes assigned current subject material.

752. **INTERMEDIARY METABOLISM.** (0-4) *Credit 2.* A laboratory course concerned with a quantitative study of the intermediates formed in cellular metabolism of fats, carbohydrates, proteins, and minerals employing equipment currently used in biochemical research. Both manometric and spectrometric methods are included. Prerequisite 434, or taken concurrently with 753.

753. **INTERMEDIARY METABOLISM.** (3-0) *Credit 3.* A lecture course concerned with the intermediates formed in the metabolism of fats, carbohydrates, proteins, minerals and nucleic acids and interrelationships between the metabolic pathways in both plants and animals. Such topics as: Enzyme-substrate substrate (Michaelis' Theory) energy relationships, competitive inhibition, isotope technique, free radical nature of intermediates, enzyme kinetics, energy rich bonds, mesomeric concepts are included. Prerequisite 434 and 424.

762. **ORGANIC SYNTHESIS.** (1-4) *Credit 2.* Conferences and laboratory work dealing with the synthesis of various organic compounds. Prerequisite: one year of organic chemistry.

763. **BIOCHEMICAL AND CLINICAL ANALYSIS.** (0-6) *Credit 3.* Conferences and laboratory work dealing with analysis of blood, urine and vitamin assay. Prerequisite: Chemistry 435.

782. **TOPICS IN THE CHEMISTRY OF NUTRITION.** (2-0) *Credit 2.* Lectures, assigned readings on the most recent developments in research on vitamins, amino acids, proteins, minerals and hormones as related to human and animal nutrition. Prerequisite: Chemistry 435.

783. **ADVANCED PHYSICAL CHEMISTRY.** (3-0) *Credit 3.* A lecture course consisting of advance topics in physical chemistry; Thermodynamics, chemical kinetics, theories of solutions, phase rule. Prerequisite: Chemistry 424 and mathematics through differential and integral calculus.

802. **ELECTROCHEMISTRY.** (0-4) *Credit 2.* Conferences, assigned readings and exercises in the laboratory dealing with the fundamental theories of electrochemistry and fundamental theories of electrochemistry and the preparation of certain inorganic and organic compounds. Prerequisite: Chemistry 424.

811 and 821. **RESEARCH.** (0-2) *Credit 1.* Problems for investigation may be selected from one of the following fields of chemistry: 1. Analytical; 2. Biochemistry; 3. Inorganic Chemistry; 4. Organic chemistry.

911 and 921. **SEMINAR.** (1-0) Discussion of topics which are current in the various fields of chemistry.

### ECONOMICS

The graduate courses in Economics permit intensive research and study of the integrated undergraduate courses in the various departments of the Social Sciences.

Among the specific objectives: development of ability to use available literature, facilities and techniques of investigating current socio-economic problems; advancement of independent thought and writing necessary for further study, experimentation and living.

For course sequence or any other information consult the chairman of the department and the professor offering the course.

### ECONOMICS

513. ECONOMIC HISTORY OF THE UNITED STATES. (3-0) *Credit 3*. Development of agriculture, industry, commerce, and transportation from colonial times to the present; problems involving the economic evolution in the United States. Prerequisite: Economics 213-223 (offered in alternate years).

533-523. PRINCIPLES OF ECONOMICS. (3-0) *Credit 3*. Thorough and critical consideration of economic problems and principles; post-war economy in the American Social Order.

543. SOCIAL AND LABOR LEGISLATION. (3-0) I or II. Protective legislation dealing with wages, hours, child labor, old age benefits with unemployment compensation.

563. ECONOMIC PROBLEMS OF THE CONSUMER. (3-0) *Credit 3*. Family budgets, marketing, price controls, and other problems of consumers.

573. LABOR PROBLEMS. (3-0) *Credit 3*. Evolution of industrial society; labor movement as a "going government"; protective legislation dealing with wages, hours, and unemployment compensation; problems involving the employer-employee relationships. Prerequisite: Economics 213-223.

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

702. THE NEGRO IN THE AMERICAN LABOR MOVEMENTS. (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

## 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 AND SUPERVISION. (3-0) *Credit 3*. Work of the High School Principal; technique of organizing the high school program; history, objectives, and status of secondary education in the United States.

543. PRINCIPLES OF GUIDANCE. (3-0) *Credit 3*. Introductory course: survey of the field; emphasis on the Role of the Classroom Teacher in personnel work.

633. ELEMENTARY SCHOOL ADMINISTRATION. (3-0) *Credit 3*. Problems, organizations, administration and supervision of elementary schools.

643. SUPERVISION OF ELEMENTARY SCHOOL SUBJECTS. (3-0) *Credit 3*. The nature and philosophy of supervision, the need of supervision in elementary schools, the activities of supervisors, the promotion of teacher growth, and the appraisal of teaching efficiency.

713. FUNDAMENTALS OF SCHOOL ADMINISTRATION. (3-0) *Credit 3*. Open to graduate students who hold or are appointed to positions as principals, or supervisors, or who have consent of Director. History, principles, and practices in school administration; intensive study of problems (general and specific) involved in school administration.

723. RURAL SCHOOL SUPERVISION. (3-0) *Credit 3*. Principles underlying present-day supervision. Relationship of classroom teachers to supervisor, principal, and superintendent.

733. CHILD ACCOUNTING. (3-0) *Credit 3*. Principles and systems of child accounting. Courses, attendance, progress, achievement, classification, and guidance records and reports.

743. PRINCIPLES OF CURRICULUM BUILDING. (3-0) *Credit 3*. Open to graduate students who hold positions as principals or supervisors or who have consent of Director. Principles of curriculum construction in elementary and secondary education; investigates the sources of curriculum materials and methods of evaluation; some aspect study of the curriculum is required of all students desiring credit.

753. PRINCIPLES AND PRACTICES OF SUPERVISION. (3-0) *Credit 3.* Open to graduate students who hold or are appointed to supervisory or administrative positions, or who have consent of Director. Some practice in application of principles required of all. Principles, practices and problems of supervision. Special attention is given to organization for supervision, supervisory programs, research in supervision, cooperation of special agencies, and qualifications for supervisors.

763. PRINCIPLES OF RURAL SCHOOL ADMINISTRATION. (3-0) *Credit 3.* Open to graduate students holding administrative and supervisory position in rural areas. Principles, practices, and problems of school administration with emphasis upon problems of schools located in rural areas. Reports required of all.

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.

#### 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 problems of when the child is ready to start learning to read, and the steps in beginning reading, techniques to be followed in developing the three additional stages of reading development, and how to make the pupil efficient in reading in general in school work.

653. ARTS AND CRAFTS IN PUBLIC SCHOOL. (3-0) *Credit 3.* Teaches prospective elementary teachers how to present art to children.

663. SPECIAL PROJECTS IN PUBLIC SCHOOL ART. (3-0) *Credit 3.* Methods, procedures and phases of teaching art; problems of art education and methods of teaching art.

683. ELEMENTARY SCHOOL CURRICULUM. (3-0) *Credit 3.* Study of important developments in elementary education with particular attention to methods and materials which may be used to improve the development of pupils in elementary schools. Problems which are encountered in day-to-day teaching situations receive much attention.

743. PROBLEMS OF THE ELEMENTARY TEACHER. (3-0) *Credit 3.* Open to undergraduates who are teachers in service and to graduate students. Special projects, investigations, and reports required; attention given to problems presented by members of the class as the outgrowth of their experiences.

753. TEACHING THE LANGUAGE ARTS IN THE ELEMENTARY SCHOOL. (3-0) *Credit 3.* For those interested in guiding and directing children of

elementary school age in reading and in oral and written composition; special emphasis placed on diagnosis and remedial work in reading.

763. TEACHING SOCIAL STUDIES IN THE ELEMENTARY GRADES. (3-0) *Credit 3*. Emphasis upon improving the social learning which grow out of the entire life of children both in and out of school. Selection and organization of content, learning activities, problem solving and social action skills, building social values and developing methods of unified and correlated social studies program.

773. TEACHING OF SCIENCE IN THE ELEMENTARY GRADES. (3-0) *Credit 3*. Emphasis is placed upon the principles, materials and methods of teaching science, and its influence upon the development of children, in the elementary grades. Laboratory work is designed to help the teacher develop a background of science understanding with suitable experiments, and suggestions for appropriate equipment and suitable materials for various age levels.

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

793. DIAGNOSIS AND REMEDIAL TREATMENT OF ELEMENTARY SCHOOL SUBJECTS. (3-0) *Credit 3*. Techniques of diagnosis and remedial treatment of difficulties in the various elementary school subjects at all levels.

#### 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.

#### HISTORY OF EDUCATION

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.

## PSYCHOLOGY

523. PRINCIPLES AND PRACTICES OF EDUCATIONAL MEASUREMENT. (3-0) *Credit 3*. The place of tests and measurements in education; selection and construction of the most commonly used tests and measurements. Prerequisite: Education 433. See education 433 in undergraduate catalog.

563. MENTAL ADJUSTMENT. (3-0) *Credit 3*. Personality as an integrated force; psychology of the adjusted school child. Prerequisites: 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.

## RURAL EDUCATION

743. THE RURAL ELEMENTARY CURRICULUM. (3-0) *Credit 3*. For rural school principles, 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. RURAL 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 in the rural environment 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.

## 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. For the present, Sociology 563 is the Research course required in this department. Majors in History should register for History 563 and majors in Political Science for Political Science 563.

Arrangements should be made to take this course as early as possible after the commencement of the work for the Master's Degree.

The offerings in History on the graduate level have been divided into three fields: (1) European History; (2) American History; (3) Training and Special Courses in History.

Students seeking a Master's Degree in History should present well chosen courses from these fields and pursue further work in one field or a combination of fields in consultation with the Professor of History.



## I. EUROPEAN HISTORY

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.

653. CONTEMPORARY UNITED STATES HISTORY, 1898 TO THE PRESENT. (3-0) or (2-0) *Credit 2 or 3*. II. 20th Century American development thus: America comes of age; the quest for Social Justice; the Great Crusade (World War I); Post War Normalcy and Reaction; Democracy in Transition—the New Deal; and American Leadership in the "United Nations." Lectures, Discussions, special reports.

663. ECONOMIC HISTORY OF THE UNITED STATES. (3-0) *Credit 3*. I. Historical review of the development of agriculture, commerce, industry, and business from colonial times to the present; social and economic forces in American society with attention to various mass movements; industrialization of the country and the necessity for governmental regulation; 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 Embrogliia—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. *Credit 3*. Advanced topics of the calculus; differential equations. Prerequisites: Differential and Integral Calculus.

723. ANALYTIC MECHANICS. *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. *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. *Credit 3.* Processes of statistical methods with reference to applications in various fields. Prerequisite: Analytic Geometry.

753. THEORY OF EQUATIONS. *Credit 3.* Complex numbers, general calculations of the cubic and the biquadratic, and Horner's and Newton's method. Prerequisite: Differential and Integral Calculus.

763. DIFFERENTIAL EQUATIONS. *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. *Credit 3.* Fundamental forms; harmonic sets, perspectivity and projectivity of forms, duality, involution, Prerequisite: the calculus.

783. DIFFERENTIAL GEOMETRY. *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. *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. *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 Science with a major in Music. This degree is open to persons holding a Bachelor of Music or Bachelor of Science or Arts with concentration in music from an institution of recognized standing. These degrees presented as entrance requirements in the graduate department must represent an amount of work equivalent to that prescribed in the Division of Arts and Sciences of Prairie View A. & M. College.

Candidates for the master's degree may major in theory, 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. *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 problem 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 symphonic 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, Tschaikowsky, Rachmaninoff, etc.)

MUSIC 623—*Credit 3.* Sufficient material for two programs including three of four major compositions of the classical and romantic school. These programs should also include a varied selection of the representative modern compositions.

Bach—Italian Concerto, toccatos, transcription by Tausig, Busoni, Liszt, etc., Chromatic Fantasy and Fugue.

Beethoven—A sonata of the grade of difficulty of Op. 53, 57, 109, 110, 111, or Chopin Sonata, and an earlier sonata; or one of Mozart, or a modern one.

Romantic Composers—Schumann—(Etudes Symphoniques); Franck—(Prel., Choral and Fugue) Brahms-Handel—(Variations and Fugue); Liszt—(Sonata, etc.).

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

MUSIC 713—*Credit 3.* Must give a public recital of a concerto in its entirety; some ensemble (Chamber, if possible), and a complete piano program.

MUSIC 723—*Credit 3.* Must have two sequences in minor cognates as: Aural Theory, Written Theory, Music Literature, Music Education or non music subjects for which the student has adequate preparation. Also if desired, applied music other than piano.

## VOICE

## Requirements:

Undergraduate recital already given.

1. Two complete roles appropriate to the voice
2. Two complete oratorio roles.
3. Public performance with orchestra (an aria); one recital (artist's).

Three hours of daily practice. 2 one-hour lessons; one hour studio class if possible each week. 3 hours credit each semester.

*12 to 15 hours credit required in voice alone (30 hours total for degree)*

MUSIC 633—*Credit 3.* A minimum of 6 songs in each of the four languages (in addition to the undergraduate degree)—English, French, German, and Italian.

MUSIC 643—*Credit 3.* Four arias (Languages not specified).

753. THE TEACHING OF VOCAL AND INSTRUMENTAL MUSIC IN THE ELEMENTARY SCHOOL. (3-0) *Credit 3.* The organization and administration of rhythm bands and small instrumental groups in the elementary school.

## 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.

Majors in Political Science are required to select courses from at least four of the following six fields of concentration: (1) American Government; (2) Foreign Governments; (3) Political Parties; (4) Methodology and Theory; (5) Public Administration; and (6) International Law and Relations. Programs of study should be outlined in consultation with the Professor of Political Science.

*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) I or II. Political institutions of China, Japan and other Far Eastern Countries.

### *IV. Methodology and Theory*

703. SEMINAR IN POLITICAL THEORY. (3-0) *Credit 2 or 3.* History of political thought from the days of Ancient Greece to the present.

563. BIBLIOGRAPHY AND METHODS OF RESEARCH. (3-0) *Credit 3.* Bibliographies; studies in the use of public documents and other sources of materials; investigation and reports on special research problems. This course is required of all majors in Political Science and is offered as Sociology 563. Political Science majors register for Political Science 563.

### *V. Public Administration*

563. SOCIAL LEGISLATION. (3-0) *Credit 3.* Federal and state laws; administration of these laws; degrees of social security.

633 and 603. AMERICAN CONSTITUTIONAL LAW. (3-0) *Credit 3.* I and II. Principles of American constitutional law; political theories and national development.

563. SEMINAR IN PUBLIC ADMINISTRATION. (3-0) *Credit 3.* II. The American administrative system; and common problems underlying branches of administration; lectures, individual and group reports on some aspect of Texas Administration. Each member of the class will be required to make a written term report on some phase of public administration.

### *VI. International Law and Relations*

743. SEMINAR IN COMPARATIVE GOVERNMENT AND ADMINISTRATION. (3-0) *Credit 3.* II. British political institutions; contemporary government forms and functions in Europe and America; political theories and philosophies.

713. SEMINAR IN COLONIAL GOVERNMENT AND PROBLEMS OF IMPERIALISM. (3-0) *Credit 3.* The historical imperial system; colonial governments and the problems of imperialism today.

503. SEMINAR IN INTERNATIONAL ORGANIZATION. (3-0) *Credit 3.* Agencies and procedures of international cooperation during the past 100 years with emphasis on the period since World War I.

533 and 543. AMERICAN FOREIGN RELATIONS, 1775 TO THE PRESENT. (3-0) *Credit 3.* I and II. The United States in its relation with the world; public opinion, the economic, social and political forces that have determined American foreign policy; and agencies through which policy has been executed.



613 and 623. PUBLIC INTERNATIONAL LAW. (3-0) *Credit 3.* I and II. The law of the international community; historic developments.

### SOCIOLOGY

Students seeking a Master's degree in Sociology should consider the following objectives and requirements:

1. A development of knowledge sufficient to make community surveys necessary for the formulation of programs of community organization.
2. A development of interest and ability of the student in the field of scientific sociology.
3. The development of an appreciation of and ability to interpret native and folk culture of the Nation and the Southwest.
4. The development of the ability to interpret mass behavior so as to make such interpretation functional in leadership.

### REQUIREMENTS

Students who major in Sociology must present a minimum of 9 semester hours in undergraduate Sociology with substantial credits in History, Political Science or Economics. Students who have had fewer than 18 hours will be required to complete additional undergraduate hours in Sociology before receiving a Master's Degree.

Students who minor in Sociology should present a minimum of 9 undergraduate hours in any of the Social Sciences.

403. INTRODUCTION TO SOCIAL CASE WORK. (3-0) *Credit 3.* I and II. Presents the point of view of the social case worker regarding human relationships, and appreciation of needs and problems causing individuals to seek help of social agencies and some understanding of the basic process of social case work practice; broad cultural as well as practical value to students going into social work, teaching (especially visiting teaching), medicine, and related professions.

423. INTRODUCTION TO SOCIAL GROUP WORK. (3-0) *Credit 3.* I or II. Fundamentals of professional group work. Deals specifically with group process and behavior, interpersonal relations, the contribution of allied fields, leadership, program, and agencies as a background for employment, in-service training, or professional education.

503. INTRODUCTION TO SOCIAL WELFARE. (3-0) *Credit 3.* I or II. Historical development of social work; fields of specialization; functions of agencies; job opportunities; and contributions of outstanding leaders. Prerequisites: Nine hours of sociology.

513. SOCIAL THEORY. (3-0) *Credit 3.* I. Historical development of theories of social science; the process by which sociology and the various social sciences came into systematic bodies of knowledge. Prerequisites: Twelve hours of sociology.

523. JUVENILE DELINQUENCY. (3-0) *Credit 3*. II. Nature, extent, and conditions giving rise to Juvenile delinquency; outstanding literature surveyed; programs treating delinquency discussed. Prerequisite: Six hours of Sociology including Criminology.

533. INTRODUCTION TO THE FIELD OF SOCIAL WORK. (3-0) *Credit 3*. I or II. An Orientation Course in the history and field of Social Work. Case work, group work, and social welfare planning as well as professional organization are considered. Required for majors and minors in Social Service.

543. URBAN SOCIOLOGY. (3-0) *Credit 3*. I. Considers the city and its hinterland as a sociological entity; urban neighborhoods, population groupings and movements, social processes, trends, and problems are treated in the light of historical, ecological and social factors.

563. SOCIAL RESEARCH. (3-0) *Credit 3*. II. A study of the various methods of social investigation, such as the social survey, the case study methods, historical, statistical and ecological techniques. Emphasis is placed on the collection, analysis and interpretation of different types of information in connection with special problems of social research. Students are required to complete an individual piece of social investigation.

573. SOCIAL STATISTICS. (3-0) *Credit 3*. II. Techniques of calculating values common to statistical analysis; simple measures of central tendencies through correlation and regression; speed and accuracy on calculating machine emphasized.

583. ANTHROPOLOGY. (3-0) *Credit 3*. I or II. A study of the origin and development of human culture. Special emphasis is placed upon schools of culture and contemporary culture. Prerequisites: Nine hours of Sociology.

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.

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 HOME ECONOMICS

### GENERAL HOME ECONOMICS

Prerequisites: Students desiring to major in Home Economics must present undergraduate subject matter credits in certain of the following: Social sciences, physical sciences, biological sciences, Art, and Education, which shall be satisfactory to the adviser under whose direction the major work is to be done. In addition the student must have adequate undergraduate training in that field of Home Economics in which she wishes to specialize.

A "split major" may be taken in Home Economics Education and General Home Economics; a minor may be selected in General Education, Administration and Supervision, or Rural Education. Students may also major in Home Economics Education and minor in General Home Economics, or in General Education, or in Administration and Supervision, or in Rural Education.

#### GENERAL HOME ECONOMICS COURSES

701. SEMINAR IN FOODS. (3-0) *Credit 3.* I and II. Reviews and interpretations on the field of foods and experimental food preparation, involving individual assignments and oral and written reports.

703. SEMINAR IN NUTRITION. (3-0) *Credit 3.* I and II. Review and interpretation of the literature of this field, emphasizing recent advances and involving individual assignments and reports.

753. CLOTHING ECONOMICS. (3-0) *Credit 3.* I. Aspect of clothing which directly or indirectly affect the consumer.

763. PROBLEMS IN HOME ECONOMICS. (3-0) *Credit 3.* II. Investigation of selected problems in a particular area. Independent study, and written and oral reports.

773. ADVANCED CLOTHING. (3-0) *Credit 3.* Advanced problems in garment construction; selection, design and construction of suitable clothing for both children and adults.

#### HOME ECONOMICS EDUCATION

523. RESEARCH PROBLEMS. (3-0) *Credit 3.* I or II. Methods used in collection, treatment and interpretation of data in the field of Home Economics. (Formerly called "Organization and Presentation.")

723. EDUCATIONAL MEASUREMENT. (3-0) *Credit 3.* II. Home Economics subject matter tests, scales, construction and evaluation of objective devices.

743. STATISTICAL TECHNIQUES. (3-0) *Credit 3.* I or II. Methods of interpretation and utilization of test data.

793. HOME ECONOMICS CURRICULA. (3-0) *Credit 3.* I. The objectives of home economics in high schools; recent surveys and other methods used in determining content of curricula.

3X3. RESEARCH. (3-0) *Credit 0.* I or II. Thesis involving extensive study of chosen problems.

## SCHOOL OF ENGINEERING

In the School of Engineering, advanced work is offered leading to the degree of Master of Science, in the fields of Engineering and Industrial Education.

Prerequisite to major graduate work in these fields, is the completion of a four-year curriculum, substantially equivalent to that required of undergraduates in the School of Engineering.

For advanced work in the School, good library facilities and laboratory equipment are provided to carry on the work suggested. Certain research problems may be made available in cooperation with other departments of the College.

## ARCHITECTURE

713-723. ADVANCED ARCHITECTURE. (0-9) *Credit 3.* I and II. Advanced problems in Architectural design; creative and functional use of materials.

733-743. CITY PLANNING. (0-9) *Credit 3.* II. Relation of urban elements to the city; residential, business, industrial, recreational, and municipal areas; transportation, traffic and street systems.

## CIVIL ENGINEERING

503. EARTH MASONRY STRUCTURES. (2-3) *Credit 3.* I, II. Design and construction of dams, retaining walls, abutments and piers, culverts, grain elevators and bins.

513. PUBLIC HEALTH ENGINEERING. (3-0) I. Design of water purification works and principles of sanitation.

533. REINFORCED CONCRETE DESIGN. (2-3) *Credit 3.* I. Theories of action of beams, slabs, and columns of reinforced concrete; codes and specifications and their influence on design; effect of continuity.

563. STATICALLY INDETERMINATE STRUCTURES. (1-6) *Credit 3.* II. Outer forces, reactions, moments and shears for fixed and moving loads, the use of influence lines, the determination of deflections of structures by methods of moment areas, elastic loads, virtual work and Williot diagrams; methods of solution for stresses in statically indeterminate structures by virtual work, slope deflection, and moment distribution; continuous beams, trusses, building frames and arches. Prerequisite: Civil Engineering 353.

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 networks in steady-state and transient conditions.

533. ULTRA-HIGH FREQUENCIES. (3-0) *Credit 3*. I, II. Radio transmission and reception, including ultra-high frequency techniques.

533. ELECTRIC POWER GENERATION. (3-0) *Credit 3*. I, II. Economics and technique of electric power generation. Effect of load curve on costs; thermal efficiency and commercial economy of various heat cycles; general layout of the generating station; division of load among generating units; by-products generation.

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) I, II. Original investigation of special problems in the field of electrical engineering; problem selected by the student with the approval of the Department.

#### GENERAL ENGINEERING DRAWING

513. ADVANCED SHOP PRACTICE. (0-9) *Credit 3*. I. Heat treatment, machine tool work, welding, jig, fixtures, pattern making, and any shop work that may be of special interest to student. All assignments must be approved by the Dean of the School of Engineering.

723. GRAPHICS OF FORMULAS. (3-0) *Credit 3*. Simple empirical equations; curve tracing and fitting; diagramming of formulas; the construction of nomographic or alignment charts, interpolation, numerical and graphical integration and differentiation, and special slide rules.

#### GENERAL ENGINEERING DRAWING

562. ADVANCED DESCRIPTION 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. 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. Study of methods devices, techniques as applied to teaching industrial subjects; analysis and evaluation of student learning difficulties and teaching responsibilities in industrial classes; also study of the nature, preparation and use of instruction sheets.

542-3. TRADE AND JOB ANALYSIS. (2-0) (3-0) *Credit 2 or 3*. II. Analysis technique as it has been developed by various leaders in Industrial Education; job analysis for the purpose of determining the content of training for an occupation; related content analysis for determining what should be taught as classroom material; analysis of a trade, industry or industrial plant for determining the general outline of a program of trade or industrial training.

563. THE GENERAL SHOP. (3-0) *Credit 3*. II. The general shop organization, its contribution to attainment of cardinal objectives on the modern high school, current practices as to type of shops, equipment, instructional materials and procedures.

583. INDUSTRIAL ARTS FOR THE ELEMENTARY SCHOOL. (2-0) *Credit 2*. I and II. A course designed for teachers, supervisors, principals of elementary schools. Fundamental concepts, philosophies of Industrial Arts in the elementary school; function and scope, organization, administration, activities and methods of teaching Industrial Arts on the elementary level.

593. AUDIO AND VISUAL EDUCATION. (3-0) *Credit 3*. II. Study of the various audio and visual aids with emphasis on selection, evaluation and technique of educational use; construction and development of various aids and devices; sources of available materials in the field; practical experience in use of aids as movie projectors, slides, film strips, opaque projects, etc.

712-3. ADMINISTRATION AND SUPERVISION OF INDUSTRIAL ARTS EDUCATION. (2-0) (3-0) *Credit 2 or 3*. I. How to organize, supervise and administer functioning programs of Industrial Arts; the duties of a supervisor and director of Industrial Arts; special problems of supervision and Administration of Industrial Arts; relationships to local, state and federal educational authorities, correlating Industrial Arts with other phases of education.

722-3. ADMINISTRATION AND SUPERVISION OF VOCATIONAL-INDUSTRIAL EDUCATION. (2-0) (3-0) *Credit 2 or 3*. II. The administration and supervision of Vocational-Industrial Education in all day, part-time and evening programs, apprenticeship, school-industry programs, vocational rehabilitation; relation of federal to state, state to local each to the other; a study of the legal administrative and supervisory aspects of Vocational-Industrial Education as it operates under the Smith-Hughes and George-Borden Act; also, the State Plan for Vocational Education.

732-3. PHILOSOPHY OF INDUSTRIAL EDUCATION. (2-0) (3-0) *Credit 2 or 3*. I. Fundamental concepts of progressive Industrial Education; principles, beliefs, and assumptions in regard to Industrial Education; its objectives and relationship to other phases of education; its justification in the total scheme of modern education.

743. THE HISTORY OF INDUSTRIAL EDUCATION. (3-0) *Credit 3*. II. A survey of the early movements, experiments and writings concerning leaders of the United States and European countries. Intensive study of developments in Industrial Education since 1850. A comparative study of leaders, movements, institutions and literature in the field of Industrial Education.

753. PRACTICES IN INDUSTRIAL EDUCATION. *Maximum credit 6 hours*. Development of current problems as reflected through the merging of practical experience with theoretical and scientific concepts.

763. RESEARCH AND THESIS WRITING. (3-0) *Credit 3*. I and II. Required of all majors in Industrial Education. Methods and techniques of research writing and reporting. Designed especially for students who are to write thesis or lesser reports.

783. PROBLEMS IN INDUSTRIAL EDUCATION. (3-0) *Credit 3*. I and II. Conferences and advisement in selection and preparation of an acceptable term paper or essay. Prerequisite: I.E. 763.

792-4. THESIS IN INDUSTRIAL EDUCATION. (2-0) (4-0) *Credit 2 or 4*. Conferences and advisement in relationship to the selection and preparation of an acceptable thesis for the Master of Science Degree. Prerequisite I. E. 763.

#### MECHANICAL ENGINEERING

503. REFRIGERATION. (3-0) *Credit 3*. I or II. The application of thermodynamics to problems of refrigeration; types of refrigerating machines and plants, refrigerants, icemaking, cold storage, cooling of air, liquids, and solids, construction details of commercial and household refrigerating plants and their economic operation.

523. FLOW OF FLUID AND HEAT TRANSFER. (3-0) *Credit 3*. I or II. Review of first and second laws of thermodynamics, compressors, refrigeration cycles. The design of apparatus for heat transfer by conduction, convection, and radiation, with particular reference to heat exchangers, air preheaters, economizers, evaporators, boilers and condensers.

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

713. ADVANCED ENGINEERING THERMODYNAMICS. (3-0) *Credit 3.* I, II. Advanced phases of engineering thermodynamics, including the examination of the validity of recent data, theories and formulations for their adaption to engineering practice.

723. ADVANCED MACHINE DESIGN. (3-0) *Credit 3.* I or II. Material selection, working stresses, factors of safety, machine frames, fastenings, universal joints, gears, shafts, couplings, clutches, brakes and bearings.

733. DYNAMICS OF MACHINERY. (3-0) *Credit 3.* II. Advanced dynamics of machinery; inertia effects, torque characteristics, flywheel design and the balancing of multiple cylinder engines and compressors; critical speed and the design of turbine drums.

793. RESEARCH IN MECHANICAL ENGINEERING. *Maximum credit 9 hours.* Original investigation or advanced study in the field of Mechanical Engineering.

## 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 semesters of 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; funddamental principles in the selection and adaption of activities in corrective procedure; abnormal physical conditions that come to the care or attention of the physical director; lectures, recitations, demonstrations, reports. Prerequisites: Physical Education 354 and 364.



623. PHYSIOLOGY AND EXERCISES. (3-0) *Credit 3*. I or II. Effects of physical education activities on the individual; general effects of exercise upon bodily functions and effects 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. Prerequisites: senior standing and varsity participation in football, basketball or track.

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; administration 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.

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 materials in elementary grades.

793. SUPERVISORS WORKSHOP. *Credit 3*. (Credit granted in areas of elementary and secondary education.)

## MASTERS DEGREES CONFERRED—1938-1949

### 1938-1939

Harrison, Arnye J. Major—Administration and Supervision Minor—Rural Sociology  
 THESIS: A Case History of Pickard High School, Brenham, Texas, 1939

Rhone, Frieda E. Major—Rural Sociology Minor—Rural Education  
 THESIS: The Recreational Activities of Rural Youth in Waller County, Texas, 1939-40

Davis, William L. Major—Administration and Supervision Minor—General Education  
 THESIS: A Coordinating Community Program

Gooden, John Eddie Major—Administration and Supervision Minor—Sociology  
 THESIS: A Comparative Study of the Family Background

- Mayfield, Charlotte Major—Administration and Supervision Minor—Sociology  
 THESIS: Improving the Curriculum
- Punch, Ossalee V. Major—Administration and Supervision Minor—Rural Sociology  
 THESIS: A Tentative Guidance Program
- Williams, Willie Lee Major—Administration and Supervision Minor—Rural Sociology  
 THESIS: History of Booker T. Washington High School

## 1940-1941

- Andrews, Robert Major—Administration and Supervision Minor—Rural Sociology  
 THESIS: Availability of Education to Negroes in Waller County, Texas
- Armstrong, Ira E. Major—Administration and Supervision Minor—General Education  
 THESIS: Historical Study of Public Elementary School in San Antonio, Texas
- Brady, Arthur E. Major—Administration and Supervision Minor—General Education  
 THESIS: An Appraisal of the Reorganization of the San Antonio Schools
- Clater, Marie Major—Administration and Supervision Minor—English  
 THESIS: An Analysis and Appraisal of the Aims of Negro Teacher-Colleges in Texas
- Collins, William Major—Agricultural Education Minor—Rural Sociology  
 THESIS: Health Conditions of One Hundred Negro Households in Schulenburg, Texas
- Herald, A. Clyde Major—Chemistry Minor—Education  
 THESIS: The Formation and Study of Certain Alkamine Esters of Substituted Cinnamic Acids
- Jones, Laura Nichols Major—Administration and Supervision Minor—Rural Education  
 THESIS: A Survey of the Visual Aids Used In Waller County Schools
- Perry, Virginia B. Major—Rural Education Minor—Rural Sociology  
 THESIS: Recreational Activities of Blackshear Elementary School
- Wells, Thelma N. S. Major—Administration and Supervision Minor—Rural Education  
 THESIS: Some Reading Deficiencies of Negro Children of Waller County
- Williams, Samuel B. Major—Chemistry Minor—Physics  
 THESIS: The Formation and Study of Certain Benzoin and Some of Their Derivatives

## 1941-1942

- Archia, Ernest A. Major—School Administration Minor—Political Science  
 THESIS: A Ten Year Follow-Up Study of the Sixty Graduates and Ninety-Two Drop-Outs of the George Washington Carver High School, Goose Creek, Texas
- Burton, T. H. Major—Administration and Supervision Minor—Rural Education  
 THESIS: A Recommended Program of Principal-Teacher Supervision For Center Point School, Pittsburg, Texas
- Caldwell, Herman Major—Administration and Supervision Minor—Rural Education  
 THESIS: Some Causes of Irregular Attendance in the Negro Public Schools of Texarkana, Arkansas
- Collins, Stella Major—Administration and Supervision Minor—History  
 THESIS: A Comparative Study of the Compulsory Attendance Laws of the Southern States With Special Emphasis Upon the Attendance Laws of Texas
- Fuller, Ruby W. Major—Home Economics Minor—Administration and Supervision  
 THESIS: The Effect of Home Produced Foods Upon the Eating Habits of Pre-School Children in Henderson County, Texas
- Hall, Olivia W. Major—General Home Economics Minor—General Education  
 THESIS: Homemaking Unit For Adults Based On A Study of the Residents of the D. N. Leathers Slum-Clearance Project at Corpus Christi, Texas
- Hayes, Jennie V. Major—History Minor—Political Science  
 THESIS: History of the United Transport Service Employees of America
- Hines, Lillie Belle Major—Rural Education Minor—General Education  
 THESIS: A Comparative Study of Some Current Practices in Elementary Education As Found in Negro Schools in Travis County
- Johnson, A. Soders Major—English Minor—General Education  
 THESIS: A Proposed Program of Language Arts for Ninth Grade of Booker T. Washington High School, Marlin, Texas

- Livingston, Lora Major—General Education Minor—Rural Education  
 THESIS: A Study of the Needs and Possibilities for the Teaching of Art in the Negro Elementary Schools of Houston, Texas
- Luter, Buckner S. Major—Agricultural Education Minor—Administration and Supervision  
 THESIS: Organizing New Farmers of America For Proficiency in Agricultural Vocations
- McDonald, A. W. Major—Administration and Supervision Minor—Political Science  
 THESIS: A Status Study of the Graduates of Central High School for the Five-Year Period, 1932-1936, With Implication for Curriculum Reorganization
- Poole Jones, Sadie N. Major—Rural Education Minor—Rural Sociology  
 THESIS: A Study of Methods and Materials As Can Be Applied To The Improvement Junior High School
- Reynolds, Lois Major—Sociology Minor—Economics  
 THESIS: Subtenance Position of Texas Negro Domestic Servants in the Texas Economy
- Richards, Bessye Major—Home Economics Education Minor—Sociology  
 THESIS: A Study of the Effects of Part-Time Employment Upon the Scholastic Achievement of Home Economics Students at Prairie View State College, 1926-1940
- Sasser, Annie G. H. Major—Mathematics Minor—Rural Education  
 THESIS: Functions and Functional Relationships in Secondary Mathematics
- Taylor, Samuel B. Major—Political Science Minor—Economics  
 THESIS: The Administrative Organization of the State of Texas
- Thomas, Bessie Major—Rural Education Minor—Rural Sociology  
 THESIS: A Study of the Advantages and Disadvantages of the Consolidated Negro Schools in Waller County, Texas
- Turner, Falbia A. Major—Sociology Minor—History  
 THESIS: Some Factors Giving Rise to Differential Grouping Among the Pupils of Trinity Garden Elementary School of Houston, Texas

## 1942-1943

- Alexander, Zelemor Major—Administration and Supervision Minor—General Education  
 THESIS: A Study of the Records Used in Twenty-Five Representative Negro High Schools of Texas
- Anderson, Cora Belle Pasley Major—Administration and Supervision Minor—Elementary Education  
 THESIS: The Current Attitude of Teachers Regarding Disciplinary Problems in the Negro Elementary Schools of Houston, Texas
- Barnett, Jewel Lovetta Major—Rural Education Minor—General Education  
 THESIS: Education Availability for Negro Girls and Boys in Lincoln County, Oklahoma
- Brown, Annie Lois Major—Home Economics Education Minor—General Education  
 THESIS: A Study of the Interests and Aversions of Homemaking Pupils in seventy-four Vocational Schools of Texas
- Cameron, Bella Holley Major—Administration and Supervision Minor—General Education  
 THESIS: An Analysis of Progressive Elementary Education With Proposals for the Improvement of Instruction in Cuney Elementary School, San Antonio, Texas
- Harris, Cornelius Alfred, Jr. Major—Administration and Supervision Minor—General Education  
 THESIS: An Analysis of Some Factors Affecting Attendance At Booker T. Washington School in Galveston, Texas
- Johnson, Valerie Bertina Major—Biology Minor—General Education  
 THESIS: Studies in Abdominal Distention
- Johnson, Bessie 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, Michael 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 in Agriculture in Houston County, Texas
- Malone, Vera E. **Major**—General Education **Minor**—Rural Education  
 THESIS: A Suggested Plan for the Education of the Physically Handicapped Children in the Waco Elementary School

- Merrick, Portia Conrad Major—Administration and Supervision Minor—Sociology  
 THESIS: A Comparative Study of Factors Probably Relating To Attendance in East Baton Rouge Negro Rural Schools
- Phillip Jimmie Ruth Major—Homemaking Minor—General Home Economics  
 THESIS: A Proposed Survey Course for Freshmen Home Economics Students at Prairie View Normal and Industrial College
- Randle, Irene Ethelind Major—Administration and Supervision Minor—Rural Education  
 THESIS: A Comparative Study of Common Schools for Negroes in Brazos County
- Robertson, Athal Ximinia Major—Biology Minor—Education  
 THESIS: The Effects of Colchicine on Germination and Polyploid Development of Watermelons
- Sanders, Reta Mae Major—Rural Education Minor—Administration and Supervision  
 THESIS: The Development of the Work shop 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, Bearegard 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
- Wall, 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
- Downs, Wallace E. Major—Agricultural Economics Minor—Agricultural Economics  
 THESIS: Influences of Soil Conservation on the Farming Program of 100 Farmers in the Grambling Area, Lincoln Parish, Louisiana, 1940-45
- Gaston, Jonnie L. Major—Sociology Minor—Education  
 THESIS: Relation of Scio-Economic Status and General Intelligence
- Gee, Ruth Ella Major—Administration and Supervision Minor—Home Economics  
 THESIS: The History and Development of Prairie View Training School From 1916-1946
- Hardman, Veoria M. Major—English Minor—Education  
 THESIS: An Analysis and Evaluation of the Freshman Reading Program of Prairie View University for the Year 1945-1946

- Hines, Vivienne P. Major—General Education Minor—Rural Education  
 THESIS: An Analysis of the Status of the Negro Teachers of West Texas
- Hogan, Wilma R. Major—English Minor—Education  
 THESIS: The Negro in Contemporary American Fiction
- Humphrey, Thomas W. Major—Administration and Supervision Minor—Agricultural Education  
 THESIS: A Survey of the Vocational Guidance Practices in 103 Negro Schools of Texas
- Johnson, Blanche E. Major—Education Minor—Political Science  
 THESIS: An Analysis of In-Service Teacher Traits Preferred by Students, Parents and Student Teachers of the Prairie View University Training School, 1945-1946
- Johnson, Jesse W. Major—Biology Minor—Chemistry  
 THESIS: An Algeological Study of the Vicinity of Prairie View, Texas
- Johnson, Walter L. D. Major—Administration and Supervision Minor—Elementary Education  
 THESIS: An Investigation in Pupil Achievement in Relation to Intelligence and Personality Patterns of Two Hundred Twenty-Eight Pupils of Jack Yates Senior High School, Houston, Texas
- Kenyon, Harry C. Major—Administration and Supervision Minor—Political Science  
 THESIS: The Relation Between Intelligence Rating and Teachers' Marks: A Study of Freshmen at Prairie View University, Prairie View, Texas
- Lee, Wister M. Major—Administration and Supervision Minor—Physical Education  
 THESIS: An Evaluation of the Physical Education Program at Prairie View University  
 Prairie View, Texas
- McDonald, Eloise S. Major—Administration and Supervision Minor—Physical Education  
 THESIS: A Suggested Recreation Program for the Lufkin Community
- Millard, Ethel K. Major—Administration and Supervision Minor—Elementary 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, Mozzelle Major—Elementary Education Minor—Biology  
 THESIS: A Survey of The Health Records and Their Implication in the Negro Elementary Schools of Houston, Texas

- Armstrong, William L. Major—Education Minor—English  
 THESIS: A Survey of Errors in Senior Grammar at Lincoln High School, Dallas, Texas
- Austin, Effie B. Major—Administration and Supervision Minor—English  
 THESIS: A Study of the Attitudes of Parent-Teachers Toward Modern Education in the Negro Elementary School of Tyler, Texas
- Blanchette, Jacob S. Major—Administration and Supervision Minor—Elementary Education  
 THESIS: Status of Negro Teachers of Creek County, Oklahoma
- Boyer, Jacob L. Major—Administration and Supervision Minor—Agricultural Education  
 THESIS: A Survey of Certain Personnel Aspects of the Cooperative Extension for Negroes in Texas
- Breeding, Fidelus Dell Major—Administration and Supervision Minor—Industrial Education  
 THESIS: A Study of the Status of Prairie View Veterans
- Burns, Andrew Jackson Major—Agricultural Education Minor—Administration and Supervision  
 THESIS: A Study of the Educational Status and Responsibilities of Negro Teachers of Vocational Agriculture in Texas
- Busby, Jerome Major—Administration and Supervision Minor—Elementary Education  
 THESIS: Some Factors Involved in Failure at Jack Yates High School, Houston, Texas
- Carroll, Willie H. Major—English Minor—Administration and Supervision  
 THESIS: A Study of Functional Grammar
- Coss, Robert W. Major—Agricultural Economics Minor—Agricultural Education  
 THESIS: The History, Types of Projects, Plans and Policies of the Farm Security Administration
- Evans, Edward B. Jr. Major—Physical Education Minor—Administration and Supervision  
 THESIS: A Suggestive Plan for the Reorganization of Interscholastic Athletics
- Hamilton, General E. Major—Biology Minor—Administration and Supervision  
 THESIS: A Study of the Structure of Hair With Special Reference to a Negro Child During First Years of Growth
- Harrington, Jaunita S. Major—Political Science Minor—History  
 THESIS: War Propaganda in the United States Through Foreign Bureaus of Information
- Henry, Ira Corine Major—Education Minor—English  
 THESIS: A Study of Speed Defects in the Vilden High School, Gladewater, Texas With Suggestions of Improvement
- Jackson, Mary Chambers Major—Administration and Supervision Minor—Sociology  
 THESIS: An Analysis of the Leisure-Time Interest of Children, Teen Agers, 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, Calaucus P. Major—Administration and Supervision Minor—Elementary Education  
 THESIS: A Proposed Plan for Vocational Guidance For the Anderson High School, Austin, Texas
- Richardson, Willie Y. Major—Elementary Education Minor—Administration and Supervision  
 THESIS: A Comparative Study of Reading Abilities of Anglo-American, Negro American, and Latin-American of San Antonio Public Schools, San Antonio, Texas
- Sadberry, Edgar L. V. Major—Physical Education Minor—Administration and Supervision  
 THESIS: A History of Major Sports in the Southwestern Negro Athletic Conference from 1920-1947
- Smith, Allen Franklin Major—Physical Education Minor—Administration and Supervision  
 THESIS: A Health and Physical Education Program for the Mineola School
- Stubblefield, Cedric T. Major—Chemistry Minor—Mathematics  
 THESIS: A Chemical Investigation of the Senna Bean (*Sesbania Macrocapa*)
- Sutton, George D. Major—Administration and Supervision Minor—Agricultural Education  
 THESIS: A Study of the Causes of Irregular Attendance in the Negro Public Schools of Fort Worth, Texas
- Warner, Dillard Major—Music Education Minor—Piano  
 THESIS: The Status and Problems of Music Appreciation in the Negro High Schools of Texas with Remedial Measures
- Warren, Gloria Gerald Major—Home Economics Education Minor—Administration and Supervision  
 THESIS: College Home Economics as a Functional Factor in Home Management Based on Opinion of Some Married Graduates
- White, Carrie B. Major—History Minor—Education  
 THESIS: The Development of Higher Education for the Negro in the South From 1890 to 1914 with Special Reference to Land-Grant Colleges
- White, Gazzella M. Major—Administration and Supervision Minor—Rural Education  
 THESIS: A Proposal For Development of A Training School at The Sabine Farms, Harrison County, Texas

## 1947-1948

- Adams, Fred E. Major—Sociology Minor—Education  
 THESIS: The Variation of Socio-Economic Characteristics of Counties According to Per Cent Negro Population of Each County
- Blanks, Columbus M. Major—History Minor—Education  
 THESIS: San Antonio, The Inland Gate
- Bradley, Mable Frances Major—English Minor—Education  
 THESIS: A Study of Eugene O'Neil's Contribution to American Drama
- Carey, Ora Lee Major—English Minor—Education  
 THESIS: Improving the English Usage of the Students of Jarvis Christian College
- Cary, Reby Major—History Minor—Education  
 THESIS: The Development of the Negro Chamber of Commerce Movement in Texas
- Chumley, Leo B. Major—History Minor—Education  
 THESIS: Negro Labor and Property in Shelby County, Texas
- Clay, Samuel C. Major—Administration and Supervision Minor—Sociology  
 THESIS: A Brief Survey of Guidance Work and the Program of Guidance in Blackshear School at San Angelo, Texas
- Collins, Curtis M. Major—Administration and Supervision Minor—Elementary Education  
 THESIS: A Tentative Guidance Program for the Kealing Junior High School, Austin, Texas
- Dade, Billye E. Major—Administration and Supervision Minor—Elementary Education  
 THESIS: A Professional Investigation of the Teachers of the Booker T. Washington and Lincoln High Schools of Dallas, Texas

- Davis, Charles Etta Owens Major—Elementary Education Minor—Administration and Supervision  
 THESIS: A Study of Primary Techniques and Procedures with a View of Improving Activities as Learning Situations for the First Grade in Douglass Schools, Lawton, Oklahoma
- Ewell, Marjorie Morris Major—Elementary Education Minor—Health Education  
 THESIS: An Improved Reading Program in the Carver High School Frankston, Texas
- Franklin, Theophilus Clay Major—Administration and Supervision Minor—Elementary Education  
 THESIS: The Development of C. W. Carver High School, Karnack, Texas, as a Consolidated School
- Gray, Velma Land Major—Education Minor—Biology  
 THESIS: A Study of Health Knowledge, Practices, Misconceptions, and Superstitions of 7th and 8th Grade Students in Hopkins County
- Harden, Ruby Browne Major—Home Economics Education Minor—Administration and Supervision  
 THESIS: A Follow Up Study of Two Groups of Home Economics Students Who Withdrew From Prairie View A. & M. College Before Graduation 1933 and 1943
- Harrison, Richard Wagner Major—Music Education Minor—Music Theory  
 THESIS: Three Pastoral Scenes
- Hayes, James Dean Major—History Minor—Administration and Supervision  
 THESIS: The Congress of Industrial Organizations Movement Into The South With Special Reference to Texas
- Hearn, R. D. Major—History Minor—Administration and Supervision  
 THESIS: The Development of Higher Education For Negroes With Special Reference to the Denominational Schools
- Henderson, Mae Ella Major—Elementary Education Minor—Administration and Supervision  
 THESIS: An Experiment Conducted in Spelling Among the Prairie View Freshmen, 1947-48
- Hollins, Arntie Edward Major—History Minor—Economics  
 THESIS: The Colored Teachers State Association of Texas as Revealed in the Texas Press
- Jones, Henry Vinie Major—Administration and Supervision Minor—History  
 THESIS: The Causes of Discipline Problems and Their Treatment in the Fred Douglass High School of Jacksonville, Texas
- Lewis, Lillian M. Major—Home Economics Education Minor—Administration and Supervision  
 THESIS: A Study of the Eating Habits and Related Factors of Some Pupils in Grades 4, 5, and 6 in Selected Schools in Texas
- Madison, William Mack Major—Biology Minor—Chemistry  
 THESIS: A Histological Study of the Malpighian Tubules of the Gryllus Domesticus
- Moon, Clara Eva Major—Elementary Education Minor—Administration and Supervision  
 THESIS: A Revised Curriculum of Dunbar Elementary School, Sulphur, Oklahoma, to Meet the Needs of Pupils and Community
- McClennan, Walter D. Major—Mathematics Minor—Chemistry  
 THESIS: Distributive Operators:  $R(A \text{ plus } B) \text{ equal } RA \text{ plus } RB$
- McDonald, Lucy Mae Major—English Minor—Administration and Supervision  
 THESIS: An Error Analysis of the Result of an Achievement Test in English Given at Dunbar High School, Ferris, Texas, 1947-1948
- Owens, Emiel W. Major—Agricultural Economics Minor—Agricultural Education  
 THESIS: A Survey of the Economic Status of Forty Negro Farmers in Leon County, Texas
- Owens, Jennie L. Major—English Minor—Administration and Supervision  
 THESIS: Paul Lawrence Dunbar's Treatment of Plantation Life
- Pannell, Orvella Tatum Major—Administration and Supervision Minor—History  
 THESIS: A Study of Negro Schools in Bell County, Texas
- Powell, John R. Major—Administration and Supervision Minor—Agricultural Education  
 THESIS: A Study of the Development of Education For Negroes in Walker County

- Prince, Cecil L. Davis **Major**—Administration and Supervision **Minor**—Home Economic  
 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: Student Withdrawals From the Independent High School of Bastrop County, Texas, During the Period 1936-1946
- Smith, Allie R. Hall **Major**—English **Minor**—Administration and Supervision  
 THESIS: A Study of the Letter Writing of High School Students in Cuney High School
- Smith, Raymond Clyde **Major**—English **Minor**—Administration and Supervision  
 THESIS: A Recommended Program of Health and Physical Education For Alex S. Terrell High School Anderson, Texas
- Taylor, Almus Lamar **Major**—Agricultural Economics **Minor**—Agricultural Education  
 THESIS: The Extent to Which Negro Farmers in Waller County Depend Upon Watermelons for their Cash Income
- Thomas, Curtis Augustus **Major**—Administration and Supervision **Minor**—Sociology  
 THESIS: A Suggested Supervisory Program for the Improvement of Learning and Teaching in the Luling Rosenwald School
- Thomas, Verlie Augusta **Major**—Music Education **Minor**—Piano  
 THESIS: A Transcription for Symphony Orchestra of Beethoven's Piano Sonata, Opus 31, No. 2—First Movement
- Tubbs, Luther Frederick **Major**—Administration and Supervision **Minor**—Elementary Education  
 THESIS: A Status Study of Pupil Participation in School Control in Fourteen Accredited Negro High Schools of Texas by the Southern Association of Secondary Schools and Colleges
- Wheadon, John Randolph **Major**—Agricultural Economics **Minor**—Agricultural Education  
 THESIS: An Analysis of the Programs of Fourteen FSA Farms at Prairie View, Texas
- Windom, Frances Louise **Major**—English **Minor**—Sociology  
 THESIS: The Development of Thomas Wolfe

## 1948-49

- 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 Quince **Major**—Administration and Supervision **Minor**—History  
 THESIS: A Study of Negro Education in Kaufman County
- Armstrong, Annybelle **Major**—Elementary Education **Minor**—Health Education  
 THESIS: Guiding Child Development as a Means of Curbing Juvenile Delinquency
- Barlow, Eva Jane **Major**—Administration and Supervision **Minor**—Elementary Education  
 THESIS: A Study of Attendance at Four Corners in Sugarland, Texas
- Board, Edna Theresa **Major**—General Education **Minor**—Home Economics  
 THESIS: The Historical Development of the Public Schools for Negroes in Liberty County, Texas from 1918 to 1948
- Boyer, Faye McClellan **Major**—Sociology **Minor**—Elementary Education  
 THESIS: The Association of Mental Health and Behavior Characteristic of Elementary School Pupils

- Bradley, Charles O'Neil Major—Administration and Supervision Minor—Elementary Education  
 THESIS: A Study of Attendance in the Temple High School, Diboll, Texas
- Bridges, Esther H. Major—Elementary Education Minor—Health Education  
 THESIS: A Suggested Organization for a Program of Recreation to Meet the Needs of the Youth of Walker County
- Brown, Enos E. Major—Agricultural Education Minor—Administration and Supervision  
 THESIS: A Comparative Study of Urban and Rural Schools in Six Texas Counties
- Brown, Pauline R. Major—Home Economics Education Minor—Supervision  
 THESIS: Analytical Study of the Activities and Problems of County Home Demonstration Agents in Texas
- Burley, Ecomet Major—Education Minor—Health  
 THESIS: A Study of the Health Status of Fifty Negro Families in the Evans Springs Community
- 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 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, Seventh, 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 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
- 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, Tommie Mayes Major—Home Economics Education Minor—Administration and Supervision  
 THESIS: A Study of the Occupational Status of the Prairie View Home Economics Graduates—1922-1948
- Mosby, Cottrell M. Major—Administration and Supervision Minor—Elementary Education  
 THESIS: The Availability of Educational Opportunities for Negroes in Hunt County
- Mosley, Thomas W. Major—Administration and Supervision Minor—Health Education  
 THESIS: A Survey of the Health Conditions of the Negroes in Trinity County and A Proposed Program of Health Education
- Lee, Escar Robert Major—Agricultural Education Minor—Rural Education  
 THESIS: Some Aspects of an Activity Program of All Day Boys Studying Vocational Agriculture in the Crockett District, Texas
- Muckleroy, Effie H. P. Major—Education Minor—Health Education  
 THESIS: Conservation of Human Resources in Smith County

- Oliver, Joseph Green Major—Administration and Supervision Minor—Elementary Education  
 THESIS: The Availability of Educational Opportunities for Negroes in Leon County, Texas
- Payne, Ruth M. Major—Home Economics Education Minor—Administration and Supervision  
 THESIS: An Evaluation of Diet Surveys and a Determination of Their Value as a Devise 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 in Higher Education
- White, Inman Major—Agricultural Economics Minor—Administration and Supervision  
 THESIS: A Study of the Soil Conservation Practices of Fifty Negro Farmers in Waller County, Texas
- Wilson, Dorothy B. Major—Elementary Education Minor—Administration and Supervision  
 THESIS: A Diagnostic Study of Reading Deficiencies and Corrective Measurer of Grades Four Through Ten of Carver High School, Prackettville, Texas

# INDEX

<p>Administration and Staff .. 1- 11            Instructors ..... 5- 10            Officers of Administration 1- 4</p> <p>Admission</p> <p>Advanced Standing ..... 29            Certificate ..... 28- 29            Examination ..... 29            General ..... 28            Individual Approval ..... 30            Irregular Student ..... 30            Veteran ..... 30            Agricultural School ..... 38- 49            Alumni Association ..... 13            Arts and Sciences School 50- 99            Athletics ..... 17</p> <p>Calendar, College ..... (iv)</p> <p>Certificates</p> <p>Teaching ..... 37            Trade ..... 36</p> <p>Correspondence Course .... 153</p> <p>Course Descriptions</p> <p>Agricultural Economics.. 46            Agricultural Education.. 44            Agricultural Engineering 46- 47            Agronomy ..... 44- 45            Animal Husbandry ..... 45- 46            Architecture ..... 127            Art ..... 105            Auto Mechanics ..... 138            Biology ..... 47 and 85            Broom Making ..... 138            Business Administration 56            Carpentry ..... 139            Chemistry ..... 88- 89            Civil Engineering ..... 128-129            Clothing ..... 105            Cooking and Baking ..... 108            Dairying ..... 47- 48            Dietetics ..... 103-104            Distributive Education . 104            Drawing, Engineering .. 133            Dry Cleaning ..... 139</p>	<p>Economics ..... 56- 57            Education ..... 59-60            Electrical</p> <p>Engineering ..... 130-131            Electricity ..... 139-140</p> <p>Engineering</p> <p>Civil ..... 128-129            Electrical ..... 130-131            General ..... 132            Mechanical ..... 136-138</p> <p>English ..... 62            Entomology ..... 48            Foods and Nutrition .... 104-105            French ..... 63            Government (see Political Science)            Health Education ..... 95            History ..... 66- 68            Home Economics</p> <p>Education ..... 101, 102, 106</p> <p>Horticulture ..... 48            House ..... 105            Ind. Education ..... 133-135            Language, Foreign            (see French, Spanish)</p> <p>Laundering ..... 140            Library Service Education 68            Machine Shop ..... 140-141            Mathematics ..... 74- 75            Mattress Making ..... 138            Mechanical Engineering... 136-138            Military Science ..... 100            Modern Foreign Language            (See Spanish, French)</p> <p>Music ..... 78- 82            Natural Science (See Biology,            Chemistry, Physics, Science)</p> <p>Nursing Education ..... 150-152            Painting ..... 142            Parental Education ..... 105            Philosophy ..... 71            Physical Education ..... 93- 95            Physics ..... 90- 91</p>
---	---

Plant Science .....	49	Diploma and Trade	
Plumbing .....	142	Certificates .....	21
Pilittical Science .....	69- 71	Initial .....	23
Poultry .....	48- 49	Key Deposit .....	24
Printing .....	143-144	Laboratory .....	21
Psychology .....	59	Music .....	22
Radio Repair .....	144-145	Nurses .....	24- 25
Science .....	86	Extension .....	21
Sheet Metal Work .....	145	Fellowships	
Shoe Making .....	145-146	Graduate .....	11
Social Science .....	56	General Information	
Sociology .....	97- 99	History .....	14- 16
Spanish .....	63	Location .....	14
Stationery Engineering .....	146	Purpose .....	14
Tailoring .....	146	Guidance Center .....	12
Veterinary Science .....	49	Hazing .....	20
Vocational Industrial		Home Economics School .....	101-106
Education .....	135-136	Instructional Organization .....	14
Welding .....	146-147	Library, W. R. Banks .....	16- 17
Woodwork .....	147	School of Engineering .....	109-147
Discipline .....	19- 20	Non-Residence Student	
Degrees .....	34- 35	Registration Fees .....	26- 27
Bachelor of Arts .....	34	Nursing Education .....	148-152
Bachelor of Music .....	34	Prizes .....	17- 18
Bachelor of Science .....	34	Recognition .....	(ii)
Bachelor of Science in		Regulations	
Agriculture .....	34	Automobiles .....	20
Bachelor of Science in		Discipline .....	19- 20
Education .....	34	Hazing .....	20
Bachelor of Science in		Marriage .....	20
Home Economic .....	34	Scholastic .....	30- 36
Bachelor of Science in		Religious Order .....	17
Engineering .....	34	Requirements, Degrees,	
Bachelor of Science in		Diplomas and Certificate .....	35- 36
Nursing Education .....	34	English and Arithmetic .....	36
Master of Science		Essay .....	36
(See Graduate Bulletin)		Extension Limitation .....	35
Enrollment .....	188-189	Government .....	35
Examinations and Tests		Graduation Honors .....	36
Absence From .....	33	Off-Campus Teaching .....	36
Deficiency .....	34	Second Degree .....	36
Mid-Semester .....	33	Semester hours and	
Semester .....	33	Grade Points .....	35
Expenses and Fees .....	20- 27	Skills .....	36
Activity .....	27	Teaching Certificates .....	37
Board and Maintenance .....	23	Trade Certificates .....	36
Commercial .....	21		
Correspondence .....	21		
Deduction and Refunds .....	22-23		



Scholastic		Grade Report .....	33
Classification .....	31	Honor Roll .....	32- 33
Change in Program .....	31- 32	Incomplete Class Work ..	32
Class Attendance .....	31	Symbols of Grading .....	32
Failures—Probation .....	33	Unit of Credit .....	30
Explanation of Course		Student Organizations .....	17
Numbers .....	31	Veterans .....	12, 30, 34
Extra Loads .....	32	Withdrawals	
Failing to Pass .....	33	Armed Services .....	34
Grade Points .....	32	General .....	22

## GRADUATE STUDY

Agricultural Education .....	196-198	Industrial Education .....	224-225
Agricultural Economics .....	195-196	Master's Degrees	
Architecture .....	222	Conferred .....	226-239
Biology .....	198-201	Mathematics .....	212-213
Chemistry .....	201-203	Mechanical Engineering ..	225-226
Civil Engineering .....	222	Music .....	213-217
Course Credits .....	191	Education .....	214-215
Economics .....	203-204	Piano .....	216
Education		Theory .....	215-216
Administration and		Voice .....	217
Supervision .....	205-206	Physical Education .....	226-227
Elementary Education .....	206-207	Political Science .....	217-218
Health Education .....	208	Americal Government .....	217
History of Education .....	207	Foreign Government .....	218
Psychology .....	208	International Law and	
Rural Education .....	208	Relations .....	218
Secondary Education .....	207	Methodology and Theory ..	218
Electrical Engineering .....	223	Political Parties .....	217
English .....	209-210	Public Administration .....	218
English Usage .....	191	Requirements .....	191
Fields of Study .....	194	Residence .....	191
Final Examination .....	192-193	Rules and Regulations for	
General Engineering .....	223	Scholarships .....	195
Health Education .....	208	Schools	
History .....	210-212	Agriculture .....	195-198
American .....	211-212	Arts and Sciences .....	198-220
European .....	211	Home Economics .....	220-221
Training and Special		Engineering .....	222-226
Courses .....	212	Sociology .....	219-220
Home Economics .....	220-221	Thesis .....	192
General .....	221	Time Limit .....	193
Education .....	221		

2402