

THE  
CLEMSON  
AGRICULTURAL  
COLLEGE

---

RECORD  
FIFTY-SIXTH YEAR

---

CATALOG NUMBER

1948-1949

---

Preliminary Announcements 1949-1950

# TABLE OF CONTENTS

COLLEGE CALENDAR 1948-1949 .....	4
COLLEGE CALENDAR 1949-1950 .....	5
PART I — PERSONNEL .....	7
Board of Trustees .....	8
Board of Visitors .....	9
Officers Clemson Alumni Corporation .....	9
Officers of Administration .....	10
Faculty .....	11
Instructional Assistants .....	27
Standing Committees of the Faculty .....	28
Other Officers and Assistants .....	30
PART II — INFORMATION .....	31
Requirements for Admission .....	32
Expenses .....	34
Financial Assistance .....	37
Buildings and Grounds .....	39
Living Conditions .....	42
Reserve Officers' Training Corps .....	43
Student Health Service .....	46
Religious Influences .....	46
Historical Statement .....	47
Location .....	49
Clemson College Alumni Corporation .....	49
PART III — STUDENT LIFE AND ACTIVITIES .....	51
Cadet Military Organization .....	52
Clubs and Societies .....	52
The Young Men's Christian Association .....	54
Athletics .....	55
Medals and Honors .....	56
PART IV — ORGANIZATION AND GOVERNMENT .....	61
Administrative Organization .....	62
Military Organization .....	63
Scholastic Regulations .....	65
PART V — DEGREES AND CURRICULA .....	73
Curricula .....	75
Description of Courses .....	116
PART VI — PUBLIC SERVICE ACTIVITIES .....	239
Personnel .....	240
Activities .....	253
PART VII — STUDENT REGISTER .....	263
INDEX .....	312

# COLLEGE CALENDAR

---

## SUMMER TERM 1948

Matriculation, and Registration .....	June 18
Classes begin .....	June 21
Independence Day Holiday .....	July 5
Examinations .....	August 17-19
Summer Term ends .....	August 19

## SESSION 1948-1949

Matriculation, new students .....	September 6
Registration, new students .....	September 8
Matriculation and Registration, former students .....	September 9, 10
Classes begin .....	September 13
State Fair holidays begin at 1 p.m. ....	October 20
State Fair holidays end at 10 p.m. ....	October 24
Thanksgiving holidays begin at 1 p.m. ....	November 24
Thanksgiving holidays end at 10 p.m. ....	November 28
Christmas holidays begin at 1 p.m. ....	December 18
Christmas holidays end at 10 p.m. ....	January 2
End of First Semester .....	January 29
Mid-Year Graduating Exercises .....	January 29
Matriculation, new students .....	January 31
Registration, new students .....	February 2
Matriculation and Registration, former students .....	February 3, 4
Classes begin .....	February 7
Easter holidays begin at 1 p.m. ....	April 14
Easter holidays end at 10 p.m. ....	April 18
Commencement .....	June 5

## SUMMER TERM 1949

Matriculation and Registration .....	June 17
Classes begin .....	June 20
Independence Day Holiday .....	July 4
Examinations .....	August 16-18
Summer Term ends .....	August 18

## SESSION 1949-1950

Matriculation, new students .....	September 5
Registration, new students .....	September 7
Matriculation and Registration, former students .....	September 8, 9
Classes begin .....	September 12
State Fair holidays begin at 1 p.m. ....	October 19
State Fair holidays end at 10 p.m. ....	October 23
Thanksgiving holidays begin at 1 p.m. ....	November 23
Thanksgiving holidays end at 10 p.m. ....	November 27
Christmas holidays begin at 1 p.m. ....	December 21
Christmas holidays end at 10 p.m. ....	January 3
End of First Semester .....	January 28
Mid-Year Graduating Exercises .....	January 29
Matriculation, new students .....	January 30
Registration, new students .....	February 1
Matriculation and Registration, former students .....	February 2, 3
Classes begin .....	February 6
Easter holidays begin at 1 p.m. ....	April 6
Easter holidays end at 10 p.m. ....	April 10
Commencement .....	June 4

The above schedule is subject to change by the Faculty.

1949

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

1950

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

**THE  
CLEMSON  
AGRICULTURAL  
COLLEGE  
RECORD**

---

**PART I**

---

**Personnel**

# PART I—PERSONNEL

## BOARD OF TRUSTEES

---

### LIFE MEMBERS

CHRISTIE BENET, <i>Chairman</i> .....	Columbia, Richland County
PAUL SANDERS .....	Ritter, Colleton County
T. B. YOUNG .....	Florence, Florence County
R. M. COOPER .....	Wisacky, Lee County
J. F. BYRNES .....	Spartanburg, Spartanburg County
EDGAR A. BROWN .....	Barnwell, Barnwell County

### TERM EXPIRES 1950

BEN T. LEPPARD .....	Greenville, Greenville County
J. F. McLaurin .....	Bennettsville, Lee County
W. A. BARNETTE .....	Greenwood, Greenwood County

### TERM EXPIRES 1952

F. E. COPE .....	Cope, Orangeburg County
T. W. THORNHILL .....	Charleston, Charleston County
J. B. DOUTHIT, JR. ....	Pendleton, Anderson County

---

A. J. BROWN, <i>Secretary</i> .....	Clemson, S. C.
-------------------------------------	----------------

---

### STANDING COMMITTEES OF BOARD

AGRICULTURAL: Douthit, *Chairman*; Young, Cooper, Sanders, Cope, Barnette, McLaurin.

(This committee is also the Veterinary Committee, the Crop Pest Commission, and the Experiment Station Board of Control.)

EXECUTIVE: \_\_\_\_\_, *Chairman*; Young, Cooper, Byrnes, Thornhill, Leppard, Brown.

FERTILIZER: Cope, *Chairman*; Barnette, Sanders, Douthit, McLaurin.

FINANCE: \_\_\_\_\_, *Chairman*; Douthit, Thornhill, McLaurin, Brown.

### STATED MEETINGS OF BOARD

3:00 P.M.—Third Friday in March  
 3:00 P.M.—Third Friday in June  
 3:00 P.M.—Fourth Monday in October

# BOARD OF VISITORS

1948

---

Roddey Reid	Rock Hill
(Hold-over member)	
Austin Busby	Charleston
R. R. Coker	Hartsville
Frank Duncan	Sharon
T. J. Mitchell	Pickens
Charles B. Nichols	Anderson
Frank P. Prettyman	Summerville
Hugo S. Sims	Orangeburg
A. B. Taylor	Spartanburg
P. A. Wallace	Bennettsville
W. L. Watkins	Anderson
Albert Simons	Charleston

## OFFICERS CLEMSON ALUMNI CORPORATION 1948-1949

---

### *President*

J. B. Caughman, '26	Columbia, S. C.
<i>First Vice-President</i>	
M. D. Berry, '13	Atlanta, Ga.
<i>Second Vice-President</i>	
John LeRoy Nichols, '23	Sumter, S. C.
<i>Secretary-Treasurer</i>	
J. H. Woodward, Ex. '03	Clemson, S. C.
<i>Assistant Treasurer</i>	
A. J. Brown, '12	Clemson, S. C.

### *Board of Directors*

District 1—E. H. Agnew, '16	Anderson, S. C.
District 2—Harold R. Turner, Ex. '23	Greenville, S. C.
District 3—W. K. Magill, '15	Chester, S. C.
District 4—W. E. Hallman, '41	Aiken, S. C.
District 5—R. A. Easterling, '07	Denmark, S. C.
District 6—George Warren, '08	Hampton, S. C.
District 7—W. L. Schacte, '34	Charleston, S. C.
District 8—Dr. Eugene D. Guyton, '38	Florence, S. C.
District 9—Dr. R. H. Fike, '08	Atlanta, Ga.
District 10—F. J. Jervey, '14	Washington, D. C.
District 11—W. M. Ballenger, '23	Chicago, Illinois
District 12—W. B. Camp, '16	Bakersfield, Calif.

### *Directors at Large*

S. C. McMeekin, '23	Columbia, S. C.
Cecil L. Reid, '02	Fredericksburg, Va.
J. M. Dunlap, '23	Cleveland, Tenn.

## OFFICERS OF ADMINISTRATION

ROBERT FRANKLIN POOLE, Ph.D., D.Sc., LL.D.

*President*

WILLIAM STEWART MORRIS, COLONEL, INFANTRY

U. S. ARMY

*Commandant and P. M. S. and T.*

ANDREW JOSEPH BROWN, B.S.

*Treasurer and Secretary of Board of Trustees*

SAMUEL WILDS EVANS

*Treasurer Emeritus and Secretary Emeritus of Board of Trustees*

JAMES CORCORAN LITTLEJOHN, B.S.

*Business Manager*

LEE W. MILFORD, M.D.

*Surgeon*

GUSTAVE ERNEST METZ, B.S., M.A.

*Registrar*

HERBERT PRESS COOPER, Ph.D.

*Dean, School of Agriculture and*

*Director, Agricultural Experiment Station*

WILLIAM BARRE AULL, B.S.

*Vice-Dean Emeritus, School of Agriculture*

RUPERT ALONZO MCGINTY, B.S., A.M.

*Vice-Director, Agricultural Experiment Station*

HOWARD LOUIS HUNTER, Ph.D.

*Dean, School of Chemistry*

FRED HARVEY HALL CALHOUN, Ph.D.

*Dean Emeritus, School of Chemistry*

FRANCIS MARION KINARD, A.B., A.M., Litt.D.

*Dean, School of Arts and Sciences*

DAVID WISTAR DANIEL, A.M., Litt.D.

*Dean Emeritus, School of Arts and Sciences*

SAMUEL BROADUS EARLE, A.M., M.E., LL.D.

*Dean, School of Engineering*

*Director, Engineering Experiment Station*

JAMES HAGOOD SAMS, JR., Ph.D.

*Vice-Dean, School of Engineering*

HOWARD EMMITT GLENN, B.S., C.E.

*Vice-Director, Engineering Experiment Station*

WILLIAM HAROLD WASHINGTON, B.S., M.S.

*Dean, School of Vocational Education*

HUGH MONROE BROWN, Ph.D.

*Dean, School of Textiles*

BRUCE DAYVAULT CLOANINGER, B.S.

*Secretary, Board of Fertilizer Control*

**\*\*ROY AIKEN MAYS, B.Sc., D.V.M.**

*Director of Livestock Sanitary Work, State Veterinarian*

DAVID WAYNE WATKINS, B.S., M.A.

*Director of Extension Service*

CORNELIA AYER GRAHAM, B.S.

*Librarian*

---

**\*\*Office:** John C. Calhoun State Office Building, Columbia, S. C.

# FACULTY †

---

## ROBERT FRANKLIN POOLE

*President*

Ph.D., Rutgers University; D.Sc., Clemson Agricultural College; LL.D.,  
University of South Carolina

---

- ADAMS, LEONARD CALDWELL, *Instructor in Electrical Engineering.*  
B.E.E., Clemson Agricultural College, 1943.
- ALEXANDER, THOMAS BENJAMIN, *Associate Professor of History and Govern-  
ment.*  
B. A., 1939, M.A., 1940, Ph.D., 1947, Vanderbilt University.
- ANDERSON, PETER MCINTOSH, *Assistant Professor of Military Science and  
Tactics.*  
Captain, Infantry, United States Army; B.S., Clemson Agricultural College,  
1935; Graduate: Company Officers Basic Course, The Infantry School, 1943.
- ARD, JAMES HAYNIE, *Assistant Professor of Agricultural Engineering.*  
B.S., Texas Agricultural and Mechanical College, 1947.
- ARMSTRONG, GEORGE MILLER, *Head of Botany and Bacteriology Department;  
Professor of Botany and Bacteriology.*  
B.S., Clemson Agricultural College, 1914; M.A., University of Wisconsin,  
1917; Ph. D., Washington University, 1921.
- ARMSTRONG, PERCY LAMAR, *Assistant Professor of Mathematics.*  
A.B., 1919; M.A., 1920, Southwestern University.
- AULL, GEORGE HUBERT, *Head of Agricultural Economics and Rural Sociology  
Department; Professor of Agricultural Economics.*  
B.S., Clemson Agricultural College, 1919; M.S., University of Virginia,  
1928; Ph.D., University of Wisconsin, 1937.
- AULL, WILLIAM BARRE, *Vice-Dean Emeritus, School of Agriculture; Profes-  
sor Emeritus of Bacteriology.*  
B.S., Clemson Agricultural College, 1907; Graduate Work, University of  
Virginia, 1909-1910; Iowa State College, Summers 1925, 1927, 1928.
- BANISTER, ROBERT ALLEN, *Instructor in Drawing.*  
B.S., Clemson Agricultural College, 1939; Graduate Work, Bradley Univer-  
sity, Summers 1947, 1948.
- BAUKNIGHT, LEHMAN M., JR., *Assistant Professor of Agricultural Economics.*  
B.S., Clemson Agricultural College, 1935; Graduate Work Iowa State College,  
1939-1940.
- BECKER, CARL LEWIS, *Assistant Professor of Electrical Engineering.*  
B.S., Brown University, 1945; M.S., Carnegie Institute of Technology, 1947.
- BELL, MARSHALL CORNETT, *Associate Professor of Mathematics.*  
A.B., 1933, M.A., 1936, University of North Carolina.
- BENNETT, JOHN ZEBULUN, *Instructor in English.*  
B.A., 1947, M.A., 1948, Vanderbilt University.
- BERNE-ALLEN, ALLAN, *Head of Chemical Engineering Department; Professor  
of Chemical Engineering.*  
B.S.E., University of Michigan, 1924; Ch.E., Columbia University, 1933;  
Ph.D., Columbia University, 1936.

---

†Faculty list compiled October 1, 1948.

- BERRY, ERNEST B., *Instructor in Weaving and Designing.*  
University of Pennsylvania, 1933-1935; Philadelphia Textile Institute, 1935-1941.
- BEYER, FRANZ WILLIAM, *Assistant Professor of Electrical Engineering.*  
B.A., Ohio State University, 1936; B.E.E., Ohio State University, 1939.
- BIGGS, GILBERT WARREN, *Assistant Professor of Economics.*  
B.S., 1946, M.S., 1947, Virginia Polytechnic Institute; Graduate Work, University of Virginia, 1947-1948.
- BLAIR, WILLIAM GARDINER, *Assistant Professor of Carding and Spinning.*  
New Bedford Textile School, 1908; Clemson Agricultural College, Summer, 1927.
- BOLEN, CLAUDE WALDRON, *Associate Professor of History and Government.*  
A.B., Emory and Henry College, 1931; M.A., 1935, Ph.D., 1941, Duke University.
- BOOKER, LEONARD ROWLAND, *Itinerant Teacher-Trainer Industrial Education.*  
B.S., Clemson Agricultural College, 1925; M.S., University of Tennessee, 1932; Clemson Agricultural College, Summers 1938, 1939.
- BOOKER, MELZAR PEGRAM, *Instructor in Architecture.*  
B.S., Clemson Agricultural College, 1948.
- BOWEN, WILLIAM CLAYTON, *Associate Professor of Vocational Education.*  
B.S., Clemson Agricultural College, 1932; M.S., Colorado State College, 1940.
- BOYD, VIRLYN ALEXANDER, *Assistant Professor of Rural Sociology.*  
B.S.A., Berry College, 1941; M.S.A., University of Kentucky, 1948.
- BRADBURY, DOUGLAS WILSON, *Assistant Professor of Drawing.*  
B.M.E., Clemson Agricultural College, 1940; Graduate Work, Virginia Polytechnic Institute, Summer, 1948.
- BRADLEY, MARK EDWARD, *Head of English Department; Professor of English.*  
A.B., Erskine College, 1898; Graduate Work, University of Chicago, Summers 1904, 1910; University of North Carolina, Summer, 1927.
- BRANNON, CARROLL CLEVELAND, *Associate Professor of Dairying.*  
B.S., Clemson Agricultural College, 1934.
- BREAZEALE, THOMAS CLARENCE, JR., *Assistant Professor of Dairying.*  
B.S., Clemson Agricultural College, 1942; Graduate Work, Iowa State College, 1946.
- BREWSTER, JAMES PENDLETON, *Associate Professor of Mathematics.*  
A.B., 1935, M.A., 1940, Duke University.
- BROCK, DEWEY CLIFTON, *Assistant Professor of Wood Shop.*  
B.S., University of South Carolina, 1925.
- BROCK, JOHN LELAND, *Acting Head of Industrial Education Department; Professor of Vocational Education.*  
B.S., Clemson Agricultural College, 1927; M.A., George Peabody College, 1936.
- BROWN, HUGH MONROE, *Dean, School of Textiles.*  
B.A., 1920, M.A., 1921, University of Denver; Ph.D., University of California, 1927.
- BROWN, JONAS WILLIAM, *Assistant Professor of Mathematics.*  
B.S., North Carolina State College, 1931; M.A., Duke University, 1948.
- BROWNLEY, FLOYD IRVING, JR., *Assistant Professor of Chemistry.*  
B.S., Wofford College, 1939; M.S., Virginia Polytechnic Institute, 1941.
- BURTNER, FRANK A., JR., *Associate Professor of Sociology.*  
B.A., M.A., University of Texas, 1939; Graduate Work, University of Texas, Summer, 1940; Harvard University, Summer, 1941; University of North Carolina, 1944; Yale University 1946-1947; University of North Carolina, 1947-1948.
- BYARS, EDWARD FORD, *Instructor in Mechanics and Hydraulics.*  
B.M.E., Clemson Agricultural College, 1946.

BYERTS, WILLIAM EDWARD, JR., *Assistant Professor of Military Science and Tactics (Air)*.

Major, United States Air Force; B.S., University of California, 1940; Graduate: The Infantry School, 1940; Air Force Primary, Basic, Advanced and Four Engine Flying Schools 1942-43; The Command and General Staff School, Air Staff Course, 1945; PAS&T Orientation Course Air Training Command, 1946.

BYNUM, WILLIAM LEWIS, *Assistant Professor of Military Science and Tactics*.

Captain, Ordnance Department, United States Army; B.S., North Carolina State College, 1937; Graduate: Ordnance General Course, The Ordnance School, 1944; Ordnance PMS&T Orientation Course, The Ordnance School, 1947.

CALHOUN, FRED HARVEY HALL, *Dean Emeritus, School of Chemistry and Geology; Professor Emeritus of Geology and Mineralogy*.

B.S., 1898, Ph.D., 1902, University of Chicago.

CAMPBELL, THOMAS ALEXANDER, JR., *Associate Professor of Textiles*.

B.S., Clemson Agricultural College, 1928; M.Ed., Pennsylvania State College, 1947.

CARMICHAEL, MARSDEN BEVERLY, *Instructor in Mechanical Engineering*.

B.M.E., Clemson Agricultural College, 1947.

CARODEMOS, PETER, *Professor of Chemistry*.

B.S., Tufts College, 1922; Ph.D., Cornell University, 1927; Harvard University, Summer, 1932; Massachusetts Institute of Technology, Summer, 1941.

\*CARPENTER, CHARLES HAROLD, *Instructor in History and Government*.

A.B., Lenoir-Rhyne College, 1945; M.A., George Peabody College, 1946.

CARSON, ROBERT GORDON, JR., *Assistant Professor of Textiles*.

B.S., Clemson Agricultural College, 1939.

CARTEE, EUGENE FRANKLIN, *Associate Professor of Weaving and Designing*.

B.S., Clemson Agricultural College, 1925; M.S., University of Tennessee, 1937; Graduate Work, Pennsylvania State College, Summer, 1941.

CARTER, CLIFTON WALKER, *Instructor in Drawing*.

B.S., Clemson Agricultural College, 1933.

CASKEY, CLAIRE OMAR, *Instructor in English*.

B.S., Appalachian State Teachers College, 1947; A.M., Duke University, 1948.

\*CLARK, GRADY WAYNE, *Instructor in Physics*.

B.S., Clemson Agricultural College, 1944; Graduate Work, University of Virginia, 1947-1948.

CLARKE, ELWYN LORENZO, *Head of Civil Engineering Department; Professor of Civil Engineering*.

B.S. in C.E., 1902, C.E., 1931, University of Illinois.

COHEN, HENRY RUSSELL, *Assistant Coach*.

B.S., Vanderbilt University, 1917.

COAKLEY, GEORGE EDWARD, *Assistant Professor of Military Science and Tactics*.

Captain, Infantry, United States Army; B.S., Clemson Agricultural College, 1941; Graduate: The Infantry School, Basic Course, 1941; Iceland Base Command School, 1943.

COKER, EDWARD CALEB, JR., *Associate Professor of Mathematics*.

B.S., University of South Carolina, 1928; M.A., University of North Carolina, 1930; Graduate Work, Brown University, 1932; University of Chicago, Summers 1936, 1938, 1939; University of Chicago, 1939-1940.

\*On leave.

- COLLINGS, GILBEART HOOPER, *Professor of Soils*.  
B.S., Virginia Polytechnic Institute, 1915; M.S., University of Illinois, 1917; Ph.D., Rutgers University, 1925.
- COOK, JAMES CLINTON, JR., *Assistant Professor of Mechanical Engineering*.  
B.M.E., Clemson Agricultural College, 1939.
- COOK, JAMES RUSSELL, *Associate Professor of Animal Husbandry*.  
B.S., Texas Agricultural and Industrial College, 1939; M.S., Iowa State College, 1948.
- COOPER, HERBERT PRESS, *Dean, School of Agriculture; Director, Agricultural Experiment Station; Head of Agronomy Department; Professor of Agronomy*.  
B.S., Clemson Agricultural College, 1911; M.S., University of Wisconsin, 1916; Ph.D., Cornell University, 1922.
- COOPER, JAMES BRONAUGH, *Associate Poultry Husbandman*.  
B.S., University of Kentucky, 1935; M.S., University of Kentucky, 1933.
- COUCH, JAMES HOUSTON, *Assistant Professor of Forge and Foundry*.  
B.S., Clemson Agricultural College, 1941.
- \*COX, H. MORRIS, *Associate Professor of English*.  
A.B., 1937, M.A., 1939, Duke University.
- COX, JAMES TRAMMELL, *Instructor in English*.  
A.B., University of North Carolina, 1942; Graduate Work, University of North Carolina, 1945-1946.
- COX, WALTER THOMPSON, *Assistant Coach*.  
B.S., Clemson Agricultural College, 1939.
- CRONIN, EUGENE STEPHENS, *Assistant Professor of Military Science and Tactics*.  
Captain, Quartermaster Corps, United States Army; A.B., Boston College, 1937.
- CROSBY, RALPH DOZIER, *Adjutant and Assistant Professor of Military Science and Tactics*.  
Lieutenant Colonel, Infantry, United States Army; B.S., Clemson Agricultural College, 1938; Graduate: Company Officers' Basic Course, The Infantry School, 1940, The Command and General Staff School, 1946.
- CROUCH, SYDNEY J. L., *Head of Religion Department; Professor of Religion*.  
Scotch College, Western Australia, 1910; Biblical Seminary, New York, 1915; B. D. Hartford Theological Seminary, 1922; Th.D., Union Theological Seminary, Richmond, Virginia, 1937.
- CURTIS, DONALD DEXTER, *Head of Mechanics and Hydraulics Department; Professor of Mechanics and Hydraulics*.  
B.E., University of Iowa, 1919; M.S., University of Iowa, 1931.
- DANIEL, DAVID WISTAR, *Dean Emeritus, School of Arts and Sciences; Professor Emeritus of English*.  
A.B., Wofford College, 1892; M.A., Vanderbilt University, 1901; Litt.D., Wofford College, 1914.
- DEAN, JORDAN ARTHUR, *Associate Professor of French and Spanish*.  
A.B., Wofford College, 1933; M.A., Vanderbilt University, 1934; Graduate Work, University of Illinois, 1937.
- DINWIDDIE, JOSEPH GRAY, JR., *Assistant Professor of Chemistry*.  
B.S., Randolph-Macon College, 1942; Ph.D., University of Virginia, 1948.

---

\*On leave.

DUKES, JOSEPH DONALDSON, *Instructor in Chemistry.*  
B.S., Clemson Agricultural College, 1943.

DUNAVAN, DAVID, *Associate Professor of Entomology and Zoology.*  
B.S., Oregon Agricultural College, 1925; M.S., Iowa State College, 1923;  
Graduate Work, Cornell University, Summers 1929, 1931, 1935.

EARLE, SAMUEL BROADUS, *Dean, School of Engineering; Professor of Mechanical Engineering; Director, Engineering Experiment Station.*  
A.B., 1898, A.M., 1899, Furman University; M.E., Cornell University, 1902;  
LL.D., Furman University, 1932.

EATON, ROBERT KNIGHT, *Head of Carding and Spinning Department; Professor of Carding and Spinning.*  
A.B., Bowdoin College, 1905; Graduate Work, Philadelphia Textile School, 1905, 1906.

EDWARDS, GEORGE HERBERT, JR., *Associate Professor of Mathematics.*  
B.A., M.A., University of South Carolina, 1913; Graduate Work, University of Chicago, Summer, 1915; Columbia University, 1917, 1919, Summer, 1917.

EDWARDS, JAMES LEON, *Instructor in Mechanical Engineering.*  
B.M.E., Clemson Agricultural College, 1941.

EDWARDS, JOHN CALHOUN, *Assistant Professor of Textiles.*  
B.S., Clemson Agricultural College, 1942.

EPTING, CARL LAFAYETTE, *Acting Head of Social Science Department; Professor of History and Government.*  
A.B., Newberry College, 1921; A.M., University of South Carolina, 1924;  
Graduate Work, University of South Carolina, 1926, 1928, 1932-1934;  
University of North Carolina, Summers 1927, 1928.

EVANS, CARSON DEHAY, *Instructor in Chemistry.*  
A.B., Wofford College, 1940.

EZELL, HUMPHREY KAY, JR., *Instructor in Textile Chemistry and Dyeing.*  
B.S., Furman University, 1948.

FEELEY, ROBERT OLIVER, *Head of Veterinary Science Department; Professor of Veterinary Medicine.*  
D.V.S., New York University, 1906.

FELDER, HERMAN McDONALD, JR., *Assistant Professor of English.*  
A.B., Wofford College, 1930; M.A., Vanderbilt University, 1937; Graduate Work, Duke University, Summers, 1933, 1934, 1946.

FERNOW, BERNHARD EDWARD, *Head of Mechanical Engineering Department; Professor of Mechanical Engineering.*  
A.B., 1904, M.E., 1906, Cornell University.

FERRIER, WALLACE THOMAS, *Professor of Agricultural Economics.*  
A.B., Tarkio College, 1910; M.S., Colorado State College, 1930; Ph.D., University of Minnesota, 1938.

FORD, JOHN MARTIN, *Instructor in Civil Engineering.*  
B.C.E., Clemson Agricultural College, 1946.

FOSTER, CHARLES D., *Assistant Professor of Military Science and Tactics.*  
Major, Corps of Engineers, United States Army; B.S., Oregon State College, 1931; Graduate: Engineer School; Instructors Course, 1941; Divisional Course, 1943; Cadre Course, 1943.

FREEMAN, EDWIN JONES, *Head of Industrial Engineering Department; Professor of Industrial Engineering and Metallurgy.*  
B.S., 1922, M.E., 1939, Clemson Agricultural College; M.S., Virginia Polytechnic Institute, 1942.

GAGE, GASTON, *Professor of Carding and Spinning.*  
B.S., Clemson Agricultural College, 1921; M.Ed., Pennsylvania State College, 1941.

- GARRISON, OLEN BRANFORD, *Professor of Horticulture.*  
B.S., Clemson Agricultural College, 1933; M.S., Louisiana State University, 1934; Ph.D., Cornell University, 1939.
- GATES, JOHN HOBART, *Head of Architectural Department; Professor of Architecture.*  
B.S., Bates College, 1924; B.F.A., Yale University, 1928.
- GENTRY, JOHN BAKER, JR., *Associate Professor of Education.*  
B.S., Furman University, 1932; Ed.M., Duke University, 1939.
- GILES, EDWARD STARKEY, *Assistant Professor of Electrical Engineering.*  
B.S., Clemson Agricultural College, 1937.
- GILLESPIE, JOHN WILLIAM, *Instructor in Chemistry.*  
B.S., Clemson Agricultural College, 1948.
- GLENN, HOWARD EMMITT, *Vice-Director, Engineering Experiment Station, Professor of Civil Engineering.*  
B.S. in C.E., 1922, C.E., 1927, University of Kentucky; Graduate Work, Illinois Institute of Technology, Summer, 1940.
- GLENN, JOE DAVIS, JR., *Assistant Professor of Civil Engineering.*  
B.C.E., Clemson Agricultural College, 1942; Graduate Work, University of Tennessee, 1947-1948.
- GODFREY, WILLIAM EMERA, *Professor Emeritus of Physics, Head of Physics Department, Emeritus.*  
A.B., 1893, A.M., 1898, Mercer University; Graduate Work, University of Chicago, Summers 1898, 1899, 1900; Cornell University 1906-1907.
- \*GODLEY, WILLIE CECIL, *Assistant Professor of Animal Husbandry.*  
B.S., Clemson Agricultural College, 1943.
- GOODALE, BEN EDMUND, *Professor of Dairying.*  
B.S., 1922, M.S., 1929, Iowa State College.
- GOODIN, CURTIS PAUL, *Assistant Professor of Electrical Engineering.*  
B.S., University of Kentucky, 1948.
- GRAHAM, JOHN SMITH, *Assistant Professor of Research and Testing.*  
B.S., Clemson Agricultural College, 1943.
- GRAMLING, ROY MCQUEEN, JR., *Assistant Professor of Military Science and Tactics.*  
Captain, Infantry, United States Army; B.S., Clemson Agricultural College, 1940; Armored Force Maintenance School 1941-1942.
- GRANT, WALTER ERVIN, *Instructor in Chemistry.*  
A.B., Wofford College, 1948.
- \*GREEN, CLAUDE BETHUNE, *Associate Professor of English.*  
B.A., 1935, M.A., 1938, University of Georgia; Graduate Work, University of North Carolina, Summer, 1938; University of Georgia, 1938-1940; Duke University, Summer, 1941; Yale University, 1946-1947.
- GREEN, JOSEPH COLEMAN, *Professor of English.*  
B.A., 1920, M.A., 1924, Ph.D., 1937, Vanderbilt University.
- HALL, WALTER FRANKLIN, *Assistant Professor of Military Science and Tactics.*  
Major, Quartermaster Corps, United States Army; B.S., 1930, M.A., 1931, George Peabody College for Teachers; ROTC Orientation Course, 1946.
- HALLMARK, GLENN DUNCAN, *Associate Professor of Electrical Engineering.*  
B.S. in E.E., 1935, M.S. in E.E., 1946, Texas A. & M. College.
- \*HANCE, LACONLA HINSON, *Instructor in Weaving and Designing.*  
B.S., Clemson Agricultural College, 1946.
- HARDEE, A. MAYNOR, *Instructor in French and Spanish.*  
A.B., 1947, M.A., 1948, University of South Carolina.

---

\*On leave.

- HARLEY, JAMES HADLEY, *Assistant Professor of Mechanics and Hydraulics.*  
B.C.E., Clemson Agricultural College, 1946.
- HARRIS, DAVID NIVIN, *Assistant Professor Emeritus of Drawing.*  
B.S., Clemson Agricultural College, 1908.
- \*HAUSER, EDWARD RICHARD, *Associate Professor of Animal Husbandry.*  
B.S., University of Wisconsin, 1933; M.S., Oklahoma A. & M. College, 1939;  
Graduate Work, Iowa State College, Summer, 1942.
- HENDRICKS, THOMAS ANDREW, *Assistant Professor of Textiles.*  
B.S., Clemson Agricultural College, 1937.
- HENDRIX, RICHARD CALVIN *Instructor in Carding and Spinning.*  
B.S., Clemson Agricultural College, 1948.
- HEYN, ANTONIUS NICOLAAS JOHANNES, *Professor of Natural and Synthetic Fibers.*  
B.S., and M.S., Utrecht University, 1929; Ph.D., Utrecht University 1931;  
Fellowship with Rockefeller Foundation, College de France, 1932-1933.
- HIND, ALFRED THOMAS, JR., *Instructor in Mathematics.*  
A.B., 1934; M.A., 1936, Emory University; Graduate Work, Columbia University, 1937-1938.
- HOBSON, JAMES HARVEY, *Assistant Professor of Chemistry.*  
B.S., University of South Carolina, 1939; M.S., Emory University, 1947;  
Graduate Work, Emory University, 1947-1948.
- HODGE, WYLIE FORT DUPRE, *Assistant Professor of Architecture.*  
Clemson Agricultural College, 1907-1908, 1908-1909; New York School of Fine and Applied Arts, 1915-1916, 1920-1921; R.R. Gallerie di Firenze, Italy, Summer, 1931.
- HODGES, BAXTER HOWARD, *Assistant Professor of Chemistry.*  
B.S., Clemson Agricultural College, 1933; Graduate Work, University of North Carolina, Summers 1935, 1936, 1937, 1938, 1939; Virginia Polytechnic Institute, Summers 1940, 1941, 1942.
- HOLMES, ALESTER GARDEN, *Professor Emeritus of History.*  
B.S., The Citadel, 1897; Graduate Work, University of Chicago, Summer 1911.
- HOLT, ALBERT HAMILTON, *Instructor in English.*  
A.B., 1939, M.A., 1947, University of North Carolina.
- HOWARD, FRANK JAMES, *Head Coach of Intercollegiate Athletics.*  
B.S., University of Alabama, 1931.
- HROMI, JOHN DAVID, *Instructor in Mechanics and Hydraulics.*  
B.S., Carnegie Institute of Technology, 1943.
- HUBBARD, JULIUS CLIFFORD, JR., *Instructor in Weaving.*  
B.S., Clemson Agricultural College, 1942.
- HUDSON, WILLIAM GARRAUX, *Instructor in Mechanical Engineering.*  
B.M.E., Clemson Agricultural College, 1946.
- HUENERS, GEORGE WILLIAM, *Assistant Professor of Military Science and Tactics (Air).*  
Captain, United States Air Force; D.C., Ph.C., Texas Chiropractic College, 1940; Graduate: Primary, Basic, Advanced Flying Schools, 1941-42, AAF School of Applied Tactics, 1942; Command and General Staff School, Air Staff Course, 1946; PAS&T Orientation Course, Air Training Command, 1946; Transportation Refresher Course Air Defense Command, 1947.
- HUFF, LORENZ DITMAR, *Head of Physics Department; Professor of Physics.*  
A.B., 1927, M.S., 1928, Oklahoma University; Ph.D., California Institute of Technology, 1931.

---

\*On leave.

HUGHES, DAVIS GREGORY, *Instructor in Drawing.*  
B.S., Clemson Agricultural College, 1939.

\*HUMPHREYS, HAROLD WESLEY, *Assistant Professor of Mechanics and Hydraulics.*  
B.C.E., North Carolina State College, 1943.

HUNTER, HOWARD LOUIS, *Dean School of Chemistry and Geology; Professor of Chemistry.*  
B. Chem., 1925, Ph.D., 1928, Cornell University; Massachusetts Institute of Technology, Summer 1939.

HUNTER, JOSEPH EVERETT, *Professor Emeritus of Mathematics.*  
B.S., Clemson Agricultural College, 1896; Graduate Work, University of Chicago, Summers 1902, 1904, 1910; University of North Carolina, Summer 1928.

HURST, VICTOR, *Associate Professor of Dairying.*  
B.S., 1938, M.S., 1940, Rutgers University; Ph.D., University of Missouri, 1948.

HUSMANN, WERNER EMIL AUGUST, *Professor of Agricultural Economics.*  
B.S., University of Berlin, 1931; Ph.D., University of Berlin, 1933.

JAMES, ALBERT CADY, *Assistant Professor of Military Science and Tactics (Air).*  
First Lieutenant, United States Air Force; A.B., Marietta College, 1940; Graduate: Air Force Primary, Basic, Advanced Flying Schools, 1944; Air PMS&T Orientation Course, Air Defense Command, 1948.

JAMESON, LAKE HUGH, *Instructor in Textiles.*  
B.S., Clemson Agricultural College, 1942.

JARRELL, HERMAN ARNOLD, *Assistant Professor of Physics.*  
A.B., Catawba College, 1941; Ph.D., University of North Carolina, 1948.

JONES, CHAMP McMILLIAN, *Associate Professor of Agronomy.*  
B.S., Clemson Agricultural College, 1939; M.S., Cornell University, 1940.

JONES, JESS WILLARD, *Associate Professor of Agronomy.*  
B.S., Clemson Agricultural College, 1937; M.S., Cornell University, 1938.

JONES, MORRIS WILEY, *Instructor in Electrical Engineering.*  
B.E.E., Clemson Agricultural College, 1947.

JONES, ROBERT MORGAN, *Assistant Coach.*  
B.S., Clemson Agricultural College, 1930.

\*KELLY, LOUIS GRANT, *Instructor in Mathematics.*  
B.S., Clemson Agricultural College, 1937; Graduate Work, University of North Carolina, Summers 1938, 1939, 1940, 1941.

KERR, HUGH BARKLEY, *Instructor in Mechanical Engineering.*  
B.S., University of Tennessee, 1947.

KERSEY, ROBERT NOEL, JR., *Instructor in Electrical Engineering.*  
B.S., in E.E., Georgia School of Technology, 1942.

KINARD, FRANCIS MARION, *Dean, School of Arts and Sciences; Professor of English.*  
A.B., Wofford College, 1923; A.M., University of North Carolina, 1929; Graduate Work, University of North Carolina, Summer 1930; Litt.D., Wofford College, 1944.

KING, WILLIS ALONZO, *Professor of Dairying.*  
B.S., Clemson Agricultural College, 1936; M.S., 1938, Ph.D., 1940, University of Wisconsin.

\*On leave.

- KIRKLEY, FRANCIS EDWARD, *Associate Professor of Vocational Education.*  
B.S., Clemson Agricultural College, 1929; Graduate Work, Clemson Agricultural College, Summers 1938, 1939, 1940; University of Kentucky, Summers, 1942, 1943, 1946, 1947.
- KIRKWOOD, CHARLES EDWARD, JR., *Associate Professor of Mathematics.*  
A.B., Lynchburg College, 1935; M.S., University of Georgia, 1937; Graduate Work, University of North Carolina, Summer 1939; Duke University, Summer 1940.
- KLUGH, WILLISTON WIGHTMAN, *Professor Emeritus of Drawing and Designing. Head of Drawing and Designing Department, Emeritus.*  
B.S., Clemson Agricultural College, 1896; Graduate Work, Vanderbilt University, 1898; Cornell University, 1900.
- LAGRONE, JOHN WALLACE, *Associate Professor of Mathematics.*  
B.S., Clemson Agricultural College, 1932; M.A., Vanderbilt University, 1934; Graduate Work, University of Kentucky, 1939-1940.
- \*LANDER, ERNEST M. JR., *Associate Professor of History and Government.*  
A.B., Wofford College, 1937; M.A., University of North Carolina, 1939; Graduate Work, University of North Carolina, Summers 1940, 1941, 1942, 1947-1948.
- LANE, JOHN DEWEY, *Professor of English.*  
A.B., Newberry College, 1920; M.A., University of Virginia, 1924; Graduate Work, Columbia University, 1928-1929; Summer 1923; George Peabody College, Summer 1935.
- LAMASTER, JOSEPH PAUL, *Head of Dairy Department; Professor of Dairying.*  
B.S., 1913, M.S., 1928 University of Kentucky.
- LANGSTON, JAMES HORACE, *Associate Professor of Textile Chemistry and Dyeing.*  
A.B., Stephen F. Austin State Teachers College of Texas, 1937; M.A., 1939, Ph.D., 1941, University of North Carolina.
- LAW, WILLIAM PLAYER, *Assistant Professor of Agricultural Engineering.*  
B.S., Clemson Agricultural College, 1938.
- LA ROCHE EVANS ALLEN, *Instructor in Weaving.*  
B.S., Clemson Agricultural College, 1942.
- LATHEM, RALPH CRENSHAW, *Assistant Professor of Yarn Manufacturing.*  
B.S., Alabama Polytechnic Institute, 1941.
- LEE, RUDOLPH EDWARD, *Professor of Architecture; Head of Architectural Department, Emeritus.*  
B.S., 1896, M. Arch. 1928, Clemson Agricultural College; Graduate Work, Zanerian Art School, Summer 1899; Cornell University, Summer 1900; University of Pennsylvania, 1901.
- LEHOTSKY, KOLOMAN, *Associate Professor of Forestry.*  
Forest Engineer, Bohemian Technical University, Prague, Czechoslovakia, 1928.  
Ph.D., University of Michigan, 1934.
- LEWIS, ALEXANDER DODGE, *Associate Professor of Mechanical Engineering.*  
B.S. in M.E., University of Tennessee, 1939; MME, Yale University, 1946.
- LINDSAY, JOSEPH, JR., *Head of Textile Chemistry and Dyeing Department; Professor of Textile Chemistry and Dyeing.*  
A.B., Erskine College, 1919; M.S., University of Tennessee, 1945.
- LINDSEY, TATE JEFFERSON, *Professor of Physics.*  
B.S., Mississippi College, 1928; Ph.D., Indiana University, 1936.
- LITTLEJOHN, CHARLES EDWARD, *Assistant Professor of Chemical Engineering.*  
B.S., Clemson Agricultural College, 1940; M.Ch.E., North Carolina State College, 1941; Graduate Work, Virginia Polytechnic Institute, 1946-1947.

---

\*On leave.

\*LONG, JIM THOMAS, *Instructor in Electrical Engineering.*  
B.E.E., Clemson Agricultural College, 1948.

LONGSTREET, ROBERT HUDSON, *Assistant Professor of Architecture.*  
B.S., University of Virginia, 1936.

MCADAMS, WILLIAM NEWTON, *Associate Professor of Agricultural Engineering.*  
B.S., Clemson Agricultural College, 1938; M.S., University of Georgia, 1939.

MCCULLOCH, JOHN TALBOT, *Instructor in Architecture.*  
B.S., Clemson Agricultural College, 1947.

MCDONALD, PATRICK HILL, JR., *Instructor in Mechanics and Hydraulics.*  
B.S.E., North Carolina State College, 1947.

MCGARITY, HUGH HARRIS, *Director of Music; Associate Professor of Music.*  
B.F.A., University of Georgia, 1940; M.F.A., University of Georgia, 1946;  
Graduate Work, University of Southern California, Summer, 1947.

MCGEE, CHARLES M., JR., *Assistant Professor of English.*  
A.B., Furman University, 1934; A.M., Duke University, 1941; Graduate  
Work, Duke University, 1946.

McHUGH, CARL MANNING, *Assistant Professor of Drawing.*  
B.S., Clemson Agricultural College, 1936; Graduate Work, Virginia Poly-  
technic Institute, Summer, 1948.

McFADDEN, JAMES BANKS, *Assistant Coach.*  
B.S., Clemson Agricultural College, 1940.

MCGINTY, RUPERT ALONZO, *Vice-Director of Agricultural Experiment Station.*  
B.S., Alabama Polytechnic Institute, 1913; A.M., Washington University,  
1919; Graduate Work, Cornell University, 1926-1927.

McKENNA, ARTHUR ERNEST, *Head of Weaving and Designing Department;  
Professor of Weaving and Designing.*  
Graduate Rhode Island School of Design, 1922; Bradford-Durfee Textile  
School, 1925; B.S., Clemson Agricultural College, 1930; M.S., University  
of Tennessee, 1938.

McMILLAN, COVINGTON, *Assistant Coach.*  
B.S., Clemson Agricultural College, 1930; M.A., George Peabody College,  
1935.

McMILLIN, HARRY ANDREW, *Assistant Professor of Architecture.*  
B.S., Pennsylvania State College, 1948.

MACINTOSH, FRED HENRY, *Associate Professor of English.*  
A.B., University of South Carolina, 1936; M.A., Duke University, 1942;  
Graduate Work, Duke University, 1946, 1947-1948.

MANN, JOSEPH GRIFFIN, *Assistant Professor of Electrical Engineering.*  
B.E.E., Clemson Agricultural College, 1947; M.S., Massachusetts Institute  
of Technology, 1948.

MARSHALL, JOHN LOGAN, *Head of Wood Shop Department; Associate Pro-  
fessor of Wood Work.*  
B.S., Clemson Agricultural College, 1909; Graduate Work, Bradley Poly-  
technic Institute, 1919.

MARTIN, JOHN CAMPBELL, *Instructor in Electrical Engineering.*  
B.E.E., Clemson Agricultural College, 1948.

MARTIN, RHETT FELDER, JR., *Instructor in Physics.*  
B.S., Clemson Agricultural College, 1947.

MARTIN, SAMUEL MANER, *Professor Emeritus of Mathematics; Head of  
Mathematics Department, Emeritus.*  
B.S., The Citadel, 1896; Graduate Work, Cornell University, Summer, 1900;  
Harvard University, Summer 1904; University of Chicago, Summer 1908.

\*On leave.

- MATHEWS, ANDREW CLARK, *Associate Professor of Botany.*  
A.B., 1928; M.A., 1931; Ph.D., 1939, University of North Carolina.
- MAULDIN, WILLIAM LAWRENCE, *Assistant Professor of Chemistry.*  
B.S., Furman University, 1936; M.A., University of North Carolina, 1939; Graduate Work, University of North Carolina, 1939-1940.
- MEEKS, CHARLES DAVENPORT, *Instructor in Forge and Foundry.*  
B.M.E., Clemson Agricultural College, 1942.
- MENIUS, ARTHUR CLAYTON, JR., *Professor of Physics.*  
A.B., Catawba College, 1937; Ph.D., University of North Carolina, 1942.
- METZ, GUSTAVE ERNEST, *Registrar.*  
B.S., Clemson Agricultural College, 1927; M.A., University of North Carolina, 1928; Graduate Work, University of North Carolina, 1928-1929; Ohio State University, Summer 1930; Teachers College, Columbia University, 1931-1932; University of Chicago, Summer 1939.
- MILLER, WILLIAM GILBERT, *Associate Professor of Mathematics.*  
A.B., Birmingham Southern College, 1931; M.A., University of Florida, 1933; Graduate Work, University of Florida, Summer 1933.
- MILLS, FRANK COXE, *Assistant Professor of Mechanical Engineering.*  
B.M.E., Clemson Agricultural College, 1940; M.S., Georgia School of Technology, 1947.
- MITCHELL, JACK HARRIS, *Professor of Chemistry.*  
B.S., 1903, M.S., 1904, Alabama Polytechnic Institute; M.S., University of Illinois, 1911.
- MITCHELL, JAMES HARVEY, *Instructor in Physics.*  
B.S., Furman University, 1926; M. Ed., Duke University, 1936.
- MONROE, JAMES BEASLEY, *Professor of Vocational Education.*  
B.S., Clemson Agricultural College, 1915; M.S., Texas A. & M. College, 1935; Graduate Work, Cornell University, Summer 1938.
- MOORMAN, ROBERT WARDLAW, *Assistant Professor of Mechanics and Hydraulics.*  
B.C.E., Clemson Agricultural College, 1940; M.S., State University of Iowa, 1947.
- MORGAN, CHARLES LEE, *Head of Poultry Husbandry Department; Professor of Poultry Husbandry.*  
B.S., 1918, M.S., 1927, University of Kentucky; Graduate Work, University of Wisconsin, 1931-1932.
- MORRIS, WILLIAM STEWART, *Professor of Military Science and Tactics, Commandant of Cadets.*  
Colonel, Infantry, United States Army; B.S., Virginia Military Institute, 1916; Graduate: Basic Course, Signal School, 1922; Basic Course, The Infantry School, 1926; The Command and General Staff School, 1933; Army PMS&T Course, The Infantry School, 1948.
- MOSS, ALEX ANDREW, *Instructor in Civil Engineering.*  
B.C.E., Clemson Agricultural College, 1948.
- MUSSER, ALBERT MYERS, *Head of Horticulture Department; Professor of Horticulture.*  
B.S., University of Florida, 1918; Graduate Work, Michigan State College, 1930, 1933.
- MYERS, THORNTON KISE, *Assistant Professor of Military Science and Tactics.*  
Major, United States Air Force; B.S., Purdue University, 1935; Graduate: Air Force Primary, Basic and Advanced Flying Schools, 1937; Air ROTC Instructors Indoctrination Course, Air University, 1943.
- NAUCK, DONALD ADAMS, *Assistant Professor of Military Science and Tactics.*  
Captain, Signal Corps, United States Army; B.S.E.E., Montana State College, 1934; Graduate: The Signal Corps School, 1941, Army Air Force School of Applied Tactics, 1943.

- \*NORMAN, CLARENCE C., *Associate Professor of Civil Engineering.*  
B.S., in C.E., Iowa State College, 1929; M.S., Iowa State College, 1948.
- NORMAN, ABSALOM WILLIS, *Assistant Coach.*  
A.B., Roanoke College, 1913.
- NOWACK, ROBERT FRANCIS, *Instructor in Mechanics and Hydraulics.*  
B.S., Carnegie Institute of Technology, 1948.
- NUTT, GEORGE BASS, *Head of Agricultural Engineering Department; Professor of Agricultural Engineering.*  
B.S., Mississippi State College, 1930; M.S., Iowa State College, 1940.
- O'DELL, WAYNE TALMAGE, *Assistant Professor of Dairying.*  
B.S., Clemson Agricultural College, 1948.
- OWINGS, MARVIN ALPHEUS, *Associate Professor of English.*  
A.B., Wofford College, 1931; M.A., 1932, Ph.D., 1941, Vanderbilt University.
- PARK, EUGENE, *Assistant Professor of Mathematics.*  
A.B., University of Georgia, 1939; M.A., Lehigh University, 1941; Graduate Work, University of Wisconsin, 1947-1948.
- PETERSON, WEBER HJALMAR, *Professor of Agricultural Economics.*  
B.S., Montana State College, 1936; M.S., Montana State College, 1938; Ph.D., University of Minnesota, 1947.
- PETROFF, GILMER, *Assistant Professor of Architecture.*  
Yale School of Fine Arts, 1932-1933; Summer 1933; University of Wisconsin, Summer 1932; Europe, 1931, Mexico, Winter, 1934.
- POE, HERBERT VERNON, *Assistant Professor of Electrical Engineering.*  
B.S., in E. E., North Carolina State College, 1944.
- POLK, HENRY TASKER, *Associate Professor of Chemistry.*  
B.S., 1931, M.S., 1933, University of Kentucky; Ph.D., Cornell University, 1935.
- POLLARD, FRANK H., *Professor of Chemistry.*  
B.Chem., 1916, Ph.D., 1922, Cornell University.
- PURSER, D. I., *Assistant Professor of English.*  
B.A., Furman University, 1937; M.A., Duke University, 1942.
- RABE, ROBERT JAMES, *Instructor in Civil Engineering.*  
B.S.E., University of Michigan, 1947.
- RAINEY, WILLIAM THOMAS, JR., *Assistant Professor of Textile Chemistry and Dyeing.*  
B.S., Davidson College, 1939; Graduate Work, University of North Carolina, 1939-1941, 1946-1948.
- REED, ALBERT RAYMOND, *Associate Professor of Physics.*  
A.B., Wofford College, 1925; M.S., University of South Carolina, 1931; Graduate Work, University of North Carolina, Summers 1931, 1933.
- REED, CHARLES ALBERT, *Associate Professor of Physics.*  
A.B., 1926, M.S., 1929, Ph.D., 1948, University of Oklahoma.
- RHODES, SAM ROSEBOROUGH, *Head of Electrical Engineering Department; Professor of Electrical Engineering.*  
B.L., 1900, M.S., 1901, Furman University; B.S., 1907, E.E., 1928, Clemson Agricultural College.
- RHYNE, ORESTES PEARL, *Head of Modern Language Department; Professor of Modern Languages.*  
A.B., Lenoir-Rhyne College, 1907; A.B., 1908, A.M., 1909, University of North Carolina; Ph.D., Johns Hopkins University, 1913; University of Heidelberg, Summer 1914; Resident in Leipzig, 1922.

---

\*On leave.

- RICHARDSON, DRAYTFORD, *Assistant Professor of Animal Husbandry.*  
B.S., Clemson Agricultural College, 1938.
- RICHARDSON, JOE BYRON, *Associate Professor of Agricultural Engineering.*  
B.S., Mississippi State College, 1937; M.S., Iowa State College, 1938.
- \*RITCHIE, ROBERT RUSSELL, *Professor of Animal Husbandry.*  
B.S., 1926, M.S., 1938, Iowa State College.
- ROBINSON, DAVID HUNTER, *Assistant Professor of Mechanics and Hydraulics.*  
B.C.E., Clemson Agricultural College, 1941.
- ROBINSON, GILBERT CHASE, *Associate Professor of Ceramic Engineering.*  
B. Cer. E., North Carolina State College, 1940.
- ROGERS, ERNEST BRASINGTON, *Assistant Professor of Agricultural Engineering.*  
B.S., Clemson Agricultural College, 1948.
- ROSENKRANS, DUANE BENJAMIN, *Professor of Botany.*  
A.B., Upper Iowa University, 1911; M.A., University of Wisconsin, 1917.
- ROSTRON, JOSEPH PRUGH, *Assistant Professor of Civil Engineering.*  
A.A., Pasadena Junior College, 1935; B.S. in C.E., Southern Methodist University, 1941.
- RUSH, JOHN MILLARD, *Associate Professor of Bacteriology.*  
A.B., Indiana University, 1928; M.S., Illinois University, 1935; Ph.D., Purdue University, 1947.
- RUTLEDGE, RAY WATSON, *Associate Professor of Botany.*  
B.S., Union University, 1923; M.A., George Peabody College, 1924; Ph.D., University of Chicago, 1930.
- SALLEY, JAMES RAWORTH, JR., *Instructor in Chemistry.*  
B.S., College of Charleston, 1937.
- SAMS, JAMES HAGOOD, JR., *Vice-Dean, School of Engineering; Professor of Mechanical Engineering.*  
B.S., Clemson Agricultural College, 1924; E.E., Cornell University, 1926; M.S., 1931, Ph.D., 1937, University of Michigan.
- SCHIRMER, FRANK BONNELL, JR., *Associate Professor of Chemistry.*  
B.S., Clemson Agricultural College, 1934; Ph.D., Cornell University, 1939.
- SEFICK, HAROLD JOHN, *Associate Professor of Horticulture.*  
B.S., 1935, M.S., 1937, Rutgers University; Graduate Work, Michigan State College, 1941-1942.
- SENN, TAZE LEONARD, *Assistant Professor of Horticulture.*  
B.S., Clemson Agricultural College, 1939; Graduate Work, University of Tennessee, 1941-1942.
- SHACKELFORD, MACFARLAND, *Assistant Professor of Physics.*  
B.S., Virginia Polytechnic Institute, 1920.
- SHAW, PHILIP MARTIN, *Professor of Architecture.*  
B.A., University of Michigan, 1921; B. Arch., Columbia University, 1929.
- SHELDON, DAWSON C., *Head of Mathematics Department; Professor of Mathematics.*  
B.S., State College of Washington, 1925; M.A., 1927, Ph.D., 1929, University of California.
- SHELLEY, ROBERT CLIFTON, *Associate Professor of Agronomy.*  
B.S., Clemson Agricultural College, 1940.

\*On leave.

- SHIGLEY, JOSEPH EDWARD, *Head of Drawing and Designing Department; Professor of Drawing and Designing.*  
B.S. in E.E., 1931, B.S. in M.E., 1932, Purdue University; M.S., University of Michigan, 1946.
- SMITH, CHESTER ROLAND, *Assistant Professor of Economics.*  
B.S., University of Alabama, 1941; M.A., University of Virginia, 1947; Graduate Work, University of California, 1947-1948.
- SMITH, RUSSELL BATCH, *Assistant Professor of Military Science and Tactics.*  
Lieutenant Colonel, Infantry, United States Army; B.S., United States Military Academy, 1935; Graduate: The Infantry School, Regular Course, 1940; The Command and General Staff School, 1945.
- SMITH, WILLIAM ELMER, *Assistant Professor of Military Science and Tactics.*  
Captain, Infantry, United States Army; B.S., Clemson Agricultural College, 1941; Graduate: Officers Advanced Course, The Infantry School, 1946-47.
- STANLEY, EDWARD L., *Assistant Professor of Mathematics.*  
B.S., East Tennessee State College, 1930; M.S., University of Tennessee, 1935; Graduate Work, George Peabody College, Summer 1938; University of Missouri, Summers 1940, 1941, Spring 1941.
- STARKEY, LAWRENCE VINCENT, *Head of Animal Husbandry Department; Professor of Animal Husbandry.*  
B.S., University of Illinois, 1914; M.S., University of Wisconsin, 1917; Graduate Work, University of Wisconsin, 1930.
- STENSTROM, EDWARD FARNUM, *Assistant Professor of Industrial Engineering.*  
B.S., Clemson Agricultural College, 1943.
- STEPP, JAMES MARVIN, *Professor of Agricultural Economics.*  
A.B., Berea College, 1937; M.A., 1938, Ph.D., 1940, University of Virginia.
- ST. HUBERT, ROBERT LAMONTAGNE, *Visiting Professor of Architecture.*  
Ecole des Beaux Arts, Paris; University of Paris.
- STRIBLING, BRUCE HODGSON, *Associate Professor of Vocational Education.*  
B.S., Clemson Agricultural College, 1918; M.S., Ohio State University, 1945.
- STUART, CHARLES MORGAN, *Assistant Professor of Mathematics.*  
A.B., Wofford College, 1920; M.A., Duke University, 1935; Graduate Work, University of South Carolina, 1938, 1945.
- SUDDETH, JIMMIE ALAN, *Instructor in Physics.*  
B.S., Clemson Agricultural College, 1948.
- SULLIVAN, JOHN RUSSELL, *Instructor in Mathematics.*  
A.B., Georgetown University, 1939; Graduate Work, Georgetown University, 1939-1940.
- \*SUTTON, JAMES FRANKLIN, *Assistant Professor of Mechanical Engineering.*  
B.M.E., Clemson Agricultural College, 1944; M.S. in M.E., University of Michigan, 1948. Graduate Work, University of Michigan, 1948-1949.
- TARRANT, WILLIAM EDWARD, SR., *Associate Professor of Weaving.*  
B.S., Clemson Agricultural College, 1927; M.Ed., Pennsylvania State College, 1947.
- TAYLOR, RUPERT, *Professor of English.*  
A.B., 1903, A.M., 1906, University of Arkansas; Ph.D., Columbia University, 1911.
- THODE, FREDERICK WILBUR, *Assistant Professor of Horticulture.*  
B.S., Clemson Agricultural College, 1940.
- THOMSON, DANIEL PARK, JR., *Assistant Professor of Carding and Spinning.*  
B.S., Clemson Agricultural College, 1927; Graduate Work, Furman University, Summer, 1936, Clemson Agricultural College, Summer 1938; George Peabody College, Summer 1938.

---

\*On leave.

- TINGLEY, FREEMAN THAYER, *Professor of Electrical Engineering.*  
B.S., 1922, E.E., 1935, Bucknell University; M.S., University of Illinois, 1929.
- TREVILLIAN, WALLACE DABNEY, *Assistant Professor of Economics.*  
B.S., 1940, M.A., 1947, University of Virginia.
- TRIVELY, ILO ALLELY, *Associate Professor of Civil Engineering.*  
B.S., 1928, M.S., 1941, University of Nebraska.
- TURNER, THOMAS JENKINS, *Instructor in Physics.*  
B.S., University of North Carolina, 1947.
- TUTTLE, JACK EDWIN, *Instructor in History and Government.*  
B.A., 1940, M.A., 1948, Pennsylvania State College.
- TYNER, RAYMOND ELLIS, *Instructor in English.*  
A.B., Berry College, 1945; M.A., University of Georgia, 1948.
- VAN BLARICOM, LESTER OSCAR, *Associate Professor in Horticultural Manufactures.*  
B.S., 1938, M.S., 1940, Oregon State College.
- VAN ESELTINE, WILLIAM PARKER, *Associate Professor of Bacteriology.*  
A.B., Oberlin College, 1944; M.S., Cornell University, 1947; Graduate Work, Cornell University, 1947-1948.
- VAUSE, ROBERT ZENO, JR., *Instructor in Mathematics.*  
B.S., University of South Carolina, 1943; M.A., Duke University, 1947; Graduate Work, George Washington University, Summer, 1948.
- WAITE, E. EMERSON, JR., *Associate Professor of Sociology and Psychology.*  
B.S., Middlebury College, 1929; M.A., Duke University, 1940.
- WALTERS, JOHN VERNON, *Assistant Professor of Textiles.*  
B.S., Clemson Agricultural College, 1933; Graduate Work, Clemson Agricultural College, Summer 1938; Pennsylvania State College, Summers 1940, 1941.
- WARE, ROBERT EDWARD, *Associate Professor of Zoology and Entomology.*  
B.S., Iowa Wesleyan College, 1929; Graduate Work, Iowa State College, Summers, 1931, 1932, 1938, 1940.
- WARNHOFF, EDWARD HERMAN, JR., *Associate Professor of Entomology.*  
B.S., Clemson Agricultural College, 1946; M.S., Texas A.&M. College, 1947.
- WASHINGTON, WILLIAM HAROLD, *Dean, School of Vocational Education; Professor of Vocational Education.*  
B.S., Clemson Agricultural College, 1920; M.S., Iowa State College, 1922; Graduate Work, Georgia School of Technology, Summer 1925; George Peabody College, Summers 1928, 1929; 1932-1933.
- WATKINS, JOHN MAULDIN, JR., *Instructor in Physics.*  
B.S., Clemson Agricultural College, 1947.
- WATSON, CHARLIE HUGH, *Instructor in English.*  
A.B., Wofford College, 1933; A.M., Duke University, 1945.
- WATSON, ERNEST CHISOLM, *Assistant Professor of Military Science and Tactics.*  
Lieutenant Colonel, Infantry, United States Army; B.S., Clemson Agricultural College, 1926; Graduate: The Armored School Advanced Tactics, 1942; Aerial Observers School, 1943; The Command and General Staff College, 1947.

WATSON, SAMUEL McIVER, JR., *Associate Professor of Mechanical Engineering.*

A.B., Elon College, 1936; B.S., 1937, M.S., 1942, North Carolina State College.

WEBB, WILLIAM EDWARD, *Instructor in History and Government.*

A.B., Hampden Sydney College, 1943; M.A., Duke University, 1947.

WHEELER, RICHARD FERMAN, *Assistant Professor of Animal Husbandry.*

B.S., Clemson Agricultural College, 1947; Graduate Work, Mississippi State College, 1948, Summer, 1948.

WHITE, THOMAS ARLINGTON, *Professor of Vocational Education.*

B.S., 1924, M.S., 1929, North Carolina State College; Ph.D., Cornell University, 1933.

WHITNEY, JOHN BARRY, JR., *Associate Professor of Botany.*

B.S., University of Georgia, 1935; M.S., North Carolina State College, 1938; Ph.D., Ohio State University, 1941.

WHITTEN, WILLIAM CLYDE, JR., *Instructor in Textiles.*

B.S., Clemson Agricultural College, 1947.

WILLIAMS, JACK KENNY, *Instructor in History and Government.*

A.B., Emory and Henry College, 1940; M.A., Emory University, 1947; Graduate Work, University of Kentucky, Summer, 1948.

WILLIAMS, WILLIAM BRATTON, *Assistant Professor of Weaving and Designing.*

B.S., Clemson Agricultural College, 1925; Graduate Work, Pennsylvania State College, Summers 1939, 1940.

WILSON, HAROLD BETTS, *Assistant Professor of Textiles.*

B.S., Clemson Agricultural College, 1941.

WILSON, MILNER BRADLEY, JR., *Assistant Professor of English.*

A.B., Wofford College, 1924; A.M., Columbia University, 1936.

WINTER, JAMES PAUL, *Assistant Professor of English.*

A.B., Marshall College, 1930; M.A., Columbia University, 1932; Graduate Work, Columbia University, 1932-1933, Summers 1939, 1940; New York University, Summers 1936, 1938; Tulane University, Summer 1935.

WOOD, KENNETH L., *Assistant Professor of Physics.*

B.S., Carson Newman College, 1932; M.S., University of Tennessee, 1934; Graduate Work, Duke University, Summer 1940.

WOOD, ROY, *Instructor in Economics.*

B.A., 1943, M.A., 1948, University of Virginia.

## INSTRUCTIONAL ASSISTANTS\*

---

- BULTMAN, PHELPS HERBERT, *Architecture*
- NICHOLSON, ROBERT WALTER, *Architecture*
- PUTNAM, SAMUEL RUFUS, B.S., *Architecture*
- WARNER, CLYDE KING, JR., B.C.E., *Architecture*
- ARONSON, ARTHUR AARON, A.B., *Chemistry*
- BRUNER, GEORGE EVANS, III, B. S., *Chemistry*
- ADAMS, JOHN HAROLD, *Civil Engineering*
- DEMOSTHENES, STRATTON ALECK, *Civil Engineering*
- FLOYD, PHIL REESE, *Civil Engineering*
- DARGAN, ARCHIE SHAW, JR., *Drawing*
- SWEENEY, HALE CATERSON, *Drawing*
- STEPHENS, WALTER MURPH, JR., *Drawing*
- HARRELSON, MCLEOD WILSON, B.M.E., *Mechanical Enigneering*
- JONES, CLARENCE ROLLINS, JR., B.M.E., *Mechanical Enigneering.*
- PERRY, ROBERT LINDSAY, B.M.E., *Mechanical Engineering*
- CAUBLE, RAY NEWMAN, A.B., *Physics*
- JACQUES, JAMES ROBERT, B.S., *Physics*
- KINCAID, WILLIAM LEO, A.B., *Physics*
- LIPTON, MOREY, B.S., *Zoology and Entomology*

---

\*List of Instructional Assistants compiled October 1, 1948.

# STANDING COMMITTEES OF THE FACULTY—1948-1949

---

## ATHLETICS:

Milford, *Chairman*; Gage, Mitchell, J. H., Morgan, T. W., Rhodes, Frank Howard, Coach, *ex officio*; J. C. Littlejohn, Business Manager, *ex officio*; G. E. Metz, Registrar, *ex officio*.

## BUILDINGS AND GROUNDS:

Watson, D. J., *Chairman*; Gates, Glenn, H. E., Hill, H. H., McGinty, Musser, Nutt, Rhodes, Sams, Webb, H. J.

## CALENDAR:

Osborne, *Chairman*; Cole, Crouch, Donelon, Gribbin, Hardin, Hill, H. H., Holtzendorff, Metz, Morgan, T. W., Miss Shanklin, Simons, Woodward, The Commandant, Editor of the Tiger, President of the Senior Class, President of Tiger Brotherhood, President of Blue Key, President of Central Dance Association.

## CATALOG:

Metz, *Chairman*; Epting, Glenn, H. E., Kinard.

## CONCERT SERIES:

Metz, *Chairman*; Burtner, Freeman, Hill, G. H., McGarity, Morgan, C. L., Osborne, Miss Shanklin, Watson, D. J., President of Mu Beta Psi, President of the Senior Class, Editor of The Tiger.

## CURRICULA, COURSES, AND ENTRANCE REQUIREMENTS:

Earle, *Chairman*; Bradley, Brown, H. M., Cooper, H. P., Hunter, H. L., Metz, Sheldon.

## DEFICIENT STUDENTS:

Kinard, *Chairman*; Gentry, Green, J. C., Hobson, LaGrone, Stanley, Starkey, Tingley.

## ETHICS AND RELIGION:

Crouch, *Chairman*; Cole, Donelon, Gribbin, Hardin, Holtzendorff.

## FOOD AND NUTRITION:

LaMaster, *Chairman*; Lease, Littlejohn, Morgan, C. L., Musser, Nutt, Patrick, Starkey, Van Blaricom, Mess Officer, *ex officio*.

## GRADUATE WORK:

-----, *Chairman*; Arndt, Aull, G. H., Brown, H. M., Carodemos, Collings, Cook, J. M., Freeman, Glenn, H. E., Green, J. C., Huff, Hunter, H. L., King, Sams, Schirmer, Taylor, R., Webb, H. J., White.

## LIBRARY:

Bradley, *Chairman*; Alexander, Aull, G. H., Berne-Allen, Bolen, Bryan, Carodemos, Collings, Earle, Lindsay, J., Rosenkrans, Stanley, Taylor, R., Watkins, Whitney, Miss Graham, Librarian, *ex officio*.

## LOANS:

Littlejohn, *Chairman*; Brown, A. J., Hill, G. H., Howard, Vickery, Woodward.

## PUBLIC LECTURES:

Bolen, *Chairman*; Bradley, Cloaninger, Freeman, Green, J. C., Goodale, Langston, Lindsey, T. J., Stribling, B. H.

**PUBLICATIONS AND RADIO:**

McGinty, *Chairman*; Califf, Cole, T. A., Eleazer, Lane, Osborne, Seabrook, Simons, Stribling, S. C.  
(J. D. Lane, Faculty Adviser for student publications.)

**RECREATION:**

Webb, H. J., *Chairman*; Cannon, Epting, Gage, Glenn, H. E., Godbey, Hill, G. H., Kirkley, Miller, Musser, Nutt, Patrick, Roark, Watson, D. J.

**KRESS RESEARCH:**

McGinty, *Chairman*; Carodemos, Lease, Lindsay, J., Sheldon, Stepp, Tingley, Miss Graham, Librarian, *ex officio*; J. C. Littlejohn, Business Manager, *ex officio*.

**RESEARCH, PLANNING AND DEVELOPMENT:**

Brown, H. M., *Chairman*; Arndt, Carodemos, Heyn, LaMaster, Musser, Nutt, Peterson, Robinson, G. C., Sams, Watson, D. J.

**SCHEDULE:**

LaGrone, *Chairman*; Brock, J. L., Brownley, Epting, Gage, Huff, Jones, J. W., McGee, Metz, Morgan, C. L., Pollard, Smith, W. E., Tingley.

**SCHOLARSHIP AWARDS:**

Metz, *Chairman*; Brown, A. J., Gage, Kinard, Rutledge, Shigley, White.

**SCHOLARSHIP AND HONORS:**

Sheldon, *Chairman*; Carodemos, Curtis, Green, J. C., Lindsay, J., McGinty, McIntosh, McKenna, Monroe, Schirmer.

**SOCIAL FUNCTIONS:**

Edwards, G. H., *Chairman*; Bowen, Brewster, Coakley, Cox, W. T., Curtis, Dinwiddie, Goodale, Green, J. C., Harley, Hill, G. H., Holtzendorff, Menius, Paden, Purser, D. I., Tingley, Tuttle, Williams, J. K., Williams, W. B., Wilson, H. B., The Commandant.

**STUDENT GOVERNMENT:**

Goodale, *Chairman*; Armstrong, Lane, Marshall, Metz, Owings, The Commandant.

**STUDENT ORGANIZATIONS (Including Honor Societies):**

Schirmer, *Chairman*; Brock, Cloaninger, Collings, Freeman, Goodale, Marshall, Sheldon, Taylor, R., Vickery.

**STUDENT WELFARE:**

Lane, *Chairman*; Aull, G. H., Bell, Blair, Coker, Cook, J. C., Hill, G. H., Hunter, H. L., Jones, R. M., LaMaster, Mauldin, Metz, Sams, Washington.

**UNIFORMS:**

Littlejohn, *Chairman*; Brown, A. J., Lathem, The Commandant, Senior ROTC Quartermaster Instructor, Douthit, Trustee Member.

**VISITORS:**

Woodward, *Chairman*; Califf, Goodale, Hill, G. H., Hill, H. H., Holtzendorff, Miss Shanklin, Watson, D. J., The Commandant.

**Y. M. C. A.**

Martin, *Chairman*; R. F. Poole, President, *ex officio*; Aull, G. H., Cloaninger, Earle, Goodale, Green, J. C., Hunter, J. E., Kinard, Littlejohn, J. C., McGinty, Douthit, J. B., Trustee Member; Young, T. B., Trustee Member; Folger, T. A., Alumni Member; Henry, J. A., Alumni Member; Morris, Earle E., President Y.M.C.A., *ex officio*; Holtzendorff, P. B., Jr., General Secretary Y.M.C.A., *ex officio*.

## \*OTHER OFFICERS AND ASSISTANTS

---

JACOB HENRY WOODWARD	Assistant to the President
VIRGINIA EARLE SHANKLIN, A.B.	Secretary to the President
KENNETH NOTLEY VICKERY, B.S.	Assistant Registrar
REGINALD JUSTIN BERRY, B.S.	Assistant to the Registrar
HELEN COKER, A.B.	Assistant to the Registrar
JOHN GOODMAN, B.S., A.B. in L.S.	Assistant Librarian
JAMES MITCHELL REAMES, B.A., B.S. in L.S.	Reference Librarian
MARGY ALBERTA HARTKOPF, A.B.	Acquisition Librarian
ANGELINA HALL WAY, A.B., B.S. in L.S.	Circulation Librarian
EMMA BISHOP BISHOP, B.A.	Cataloger
SIDELLE ELLIS, B.S.	Assistant Cataloger
FAYE MITCHELL, A.B.	Assistant to Circulation Librarian
EDWARD L. B. OSBORNE, B.S.	Director, News Bureau
GRAHAM HAMILTON HILL	Assistant Business Manager
VIRGINIA POOLE, A.B.,	Assistant to the Business Manager
KENNEY R. HELTON	Personnel Clerk, Business Manager's Office
HENRY HUGHES HILL, Jr., B.S.	Manager, Housing Project
TRESCOTT NEWTON HINTON, B.A.	Assistant Bookkeeper
JOSEPH SHELOR WALKER, B.S.	Assistant Bookkeeper
HELEN MORRISON	Assistant to the Treasurer
RALPH DOZIER CROSBY, Lt. Col., U. S. Army	Adjutant
HENRY HAMMOND MEDLOCK, Master Sergeant, U. S. Army	Sergeant Major
IRENE JULIAN, R.N.	Director of Nurses
MYRTLE DEAN	X-Ray and Laboratory Technician
GLADYS MITCHELL, R.N.	Clinical Supervisor
LOIS WRIGHT, R.N.	Bedside Supervisor
DAVID JOSEPH WATSON, B.S.	Supt. of Buildings and Grounds
WILLIAM ERNEST MCGUIRE	Asst. Supt. of Buildings and Grounds
JAMES G. LINDSAY	Mess Officer
FRED LEONARD ZINK, JR.	Asst. Mess Officer
MARGARET CROWTHER, B.S.	Dietitian
ALDRICH A. ATKINSON, B.S.	Asst. to Mess Officer
PRESTON BROOKS HOLTZENDORFF, JR., LL.B.	General Secretary, Y.M.C.A.
JOHN ROY COOPER, B.S., M.A.	Associate Secretary, Y.M.C.A.
HAROLD COLE, A.B., B.D.	Pastor, Baptist Church
ROBERT EMMET GRIBBIN, JR., B.A., S.T.B.	Rector, Episcopal Church
SYDNEY J. L. CROUCH, B.D. Th.D.	Pastor, Presbyterian Church
ELLIOTT WANNAMAKER HARDIN, A.B., B.D.	Pastor, Methodist Church
JOHN M. DONELON, B.A.	Pastor, St. Andrews Catholic Church
JAMES L. SPANGENBERG, A.B., B.D.	Minister to Baptist Students

\*List of other officers and assistants compiled October 1, 1948.

**THE  
CLEMSON  
AGRICULTURAL  
COLLEGE  
RECORD**

---

**PART II**

---

**Information**

## PART II—INFORMATION

---

### GENERAL INFORMATION

Clemson is a land-grant college, a state institution, and one of the A. and M. colleges which emphasizes agriculture and mechanical industries. Clemson is fully accredited by the Southern Association of Colleges and Secondary Schools.

The twenty-six curricula under the Schools of Agriculture, Arts and Sciences, Chemistry, Engineering, Textiles, and Vocational Education form a background of training for the hundreds of occupations in which Clemson graduates engage. In addition to the training for a specific occupation, each curriculum is broadened to include fundamental training in the occupational area as well as the worthwhile values of general education. Although the College is organized on the university plan of various schools, it retains its entity through the inter-relationships of schools and departments in providing a well-balanced educational program.

The enrollment of Clemson has grown from 446 students in the opening of the college in 1893 to a pre-war peak of 2,381 and a current enrollment of 3,277 for the first semester, 1948-1949. During this period 26,777 students have attended Clemson and of this number 7,763 have been awarded the bachelors degree.

### REQUIREMENTS FOR ADMISSION

*Entrance Requirements.* The requirements for entrance to Clemson include graduation from an accredited high school with at least sixteen units; of the units presented for admission, at least three must be in English, one and one-half in algebra, one in plane geometry, and one in history.

Students who cannot fulfill the requirements outlined above may be considered for admission as follows:

(1) Applicants who have qualified for a South Carolina High School Certificate by examination are given very careful consideration. The final decision is dependent upon the quantity and

quality of such work as has been completed in high school as well as upon the fact that the applicant has qualified for the certificate.

(2) Mature students who cannot meet the formal requirements indicated above but who have an adequate educational background for scholastic work in college may qualify for admission by passing the entrance examinations. Further information will be furnished on request.

*Application Blanks.* Blanks to be used in applying for admission may be obtained from the Registrar, Clemson College, Clemson, South Carolina.

*Placement Tests.* Placement tests, required of all students are given within a day or two after matriculation. The placement tests consist of examination on basic information in mathematics and English. The purpose in giving the tests is to determine which students are in need of review courses in mathematics and English before attempting college courses in these important subjects. It is in the interest of the student that he is required to take such a review course if he does not make a qualifying score on the placement test. Such students may begin taking their other freshman subjects, but will postpone freshman mathematics, English, or both, until after they complete satisfactorily the review course or courses required. All new students will be required to take the placement tests, but those who have previously completed college courses in mathematics and English will not be required to take the review courses in these subjects.

*Admission to Advanced Standing.* Work that has been completed in other colleges will be carefully considered and evaluated in terms of equivalent courses in the curriculum at Clemson selected by the student. The applicant must present for consideration: (a) a statement of honorable dismissal from the institution last attended, (b) an official transcript of his record, including entrance credits and (c) an official statement that he is eligible to return to the institution last attended. College credits given by transfer are provisional and may be cancelled at any time if the student's work is unsatisfactory. A student coming from another institution must spend at least one regular session in the College before he is eligible to apply for a degree.

*Matriculation.* Students upon arrival at the College at the opening of the session must report at once to the Registrar's Office. New students will be directed in the procedure necessary to complete their enrollment. A student's matriculation with the College is equivalent to his pledge to conform to the rules of the institution. Any admission gained or matriculation made irregularly is subject to cancellation.

## EXPENSES

*Settlement of College Fees.* The Treasurer of the College is the fiscal officer and all transactions relating to payments must be conducted through him. The entrance payment includes the full cost of uniform plus fees and living expenses for the first quarter and must be made before a student can be assigned to a room in barracks or permitted to begin work. Other payments are due as indicated. Remittances should be made in cash, money order, cashier's check, or by local check made payable to A. J. Brown, Treasurer. All remittances made by mail must be addressed to: The Treasurer, Clemson College, Clemson, South Carolina. A personal check which is given in payment of dues and is returned by the bank unpaid automatically cancels a student's reservation and automatically drops from class rolls a student who is in school.

*Expenses.* The cost to South Carolina barracks students for board, laundry, room, all fees, and tuition will amount to \$527.00 for the 1948-1949 session. Students from other states pay an additional \$170.00. The State Law requires that all non-resident students pay the out-of-state tuition. The bona fide residence of the parent, or legal guardian, determines the residence of the student. The college reserves the right to adjust expenses to current costs.

In addition to the expenses indicated above, each freshman cadet will pay to the College Treasurer the cost of the uniform. For the 1948-1949 session the cost of the uniform was \$114.40.

The 1948-1949 payments for regular cadets, including room, board, laundry, all fees, tuition, and uniform are indicated below.

	South Carolina	Non-Resident
Payments Due	Students	Students
At entrance	*\$234.15	*\$276.65
November 8	*143.75	*186.25
February 3	131.75	174.25
March 31	131.75	174.25

\* Based on cost of uniform for 1948-1949.

The payments for room, board, and laundry, for qualified non-ROTC veterans staying in the barracks are given below:

Payments Due	Qualified Veterans in Barracks
At Entrance	\$85.60
November 8	85.60
February 3	85.60
March 31	85.60

For veterans qualified for benefits under the G. I. Bill or Veteran's Vocational Rehabilitation, the Veterans Administration pays tuition fees and the costs of necessary books and supplies. The veteran pays his own living expenses but the subsistence checks to be received by the veteran will more than reimburse him for the cost of living in the barracks at Clemson.

Information concerning payments for Day Cadets will be furnished on request.

*Books and Supplies.* The cost of books is not included in the figures given above. Freshman books and supplies cost approximately \$40.00 at the beginning of the regular session. For veterans, qualified for benefits under the G. I. Bill or Veterans Vocational Rehabilitation, books and educational supplies will be issued, the cost to be paid by the Veterans Administration.

*Uniforms.* Clemson cadets are wearing a distinctive gray uniform of a design and material similar to that worn in prewar days. The garments required are: 1 gray service coat, 2 gray service trousers, 2 service caps, 1 blue mackinaw, 1 web waist belt, 1 coat belt, 6 gray cotton shirts, and 1 raincoat. Insignia are purchased by the individual in addition to these major items.

The costs for 1949-1950 should not exceed those for 1948-1949.

After the first year, the cadets will be required to purchase only needed articles. Based on prior usage factors, the minimum requirements for each successive year will be \$13.70.

In this connection, parents are advised that those students who are successful in entering ROTC receive a substantial amount from the United States government in the form of commutation of uniform; specifically, \$9.00 each year for the Freshman and Sophomore years and \$94.77 for the Junior and Senior years combined.

*Refunds.* No refunds will be made on Tuition and Fees other than living expenses after five weeks attendance during the semester. Refunds for periods of attendance during the semester of less than five weeks will be based upon a charge of 20% for less than two weeks, 40% between two and three weeks, 60% between three and four weeks and 80% between four and five weeks.

Living expense items will be refunded on a prorata basis, holidays excepted, for periods unused in excess of two weeks.

*Lost or Damaged Articles:*

1. The College will not be liable for articles lost or stolen in the barracks.

2. The College will not be liable for lost or damaged laundry unless reported within two days after the date upon which the laundry was due to be delivered, and then not more than the actual depreciated value of such articles as have been lost or damaged.

*Student Banking Accounts.* For the convenience of students the College operates a banking department in the Treasurer's Office where money can be deposited and withdrawn as the occasion may demand. This service is purely local. Students are urged to deposit their money in the bank and not to keep it in their rooms.

*Books and Supplies.* The L. C. Martin Drug Co., Inc., conducts a store near the campus and maintains a book and supply

store where students may purchase textbooks, drawing instruments and other supplies. A complete list of the textbooks used in each course, together with their prices will be furnished on application to the book store.

Each student will be required to own his textbooks and necessary equipment. All students shall submit their textbooks and other equipment for inspection at such times as are ordered.

*Optional Expenses.* It is not possible to give an estimate of a student's expenditures for such amusements as dancing, moving pictures, etc. This depends largely upon the disposition of the young man. The College endeavors to reduce to a minimum the temptation to spend money needlessly, but the authorities cannot be responsible for a student's private expenditures. This must be a matter between him and his parents.

*Transcripts.* Official transcripts of scholastic records are issued on request. One transcript is furnished free; additional copies are issued for one dollar each. Remittances for transcripts should be made payable to The Treasurer, Clemson College, but should accompany transcript requests and should be mailed to The Registrar.

*Student Aids.* A number of young men secure positions as waiters in the mess hall, for which service they are paid at the rate of about thirteen dollars a month. These positions are filled by the Mess Officer, to whom all correspondence should be addressed.

## FINANCIAL ASSISTANCE

*The William Wilson Finley Loan Fund.* The sum of \$1,000 has been deposited with the College to be used as a loan fund to students living in counties traversed by the Southern Railway or the Blue Ridge Railway.

*The George Cherry Foundation.* Mrs. Mary Cherry Doyle has donated \$1,000 to aid worthy and needy students from Oconee County and that part of Anderson County including Pendleton. This fund is not available for first-year students.

*Clemson Student Loan Association Fund.* A number of interested teachers, officers, alumni, and friends of Clemson College have contributed \$2,500 to be loaned to worthy Clemson students.

*The Wade Stackhouse Loan Fund.* A gift of \$20,000 from Dr. Wade Stackhouse of Dillon, whose father, the late Hugh Milton Stackhouse, was a trustee of Clemson has been deposited with the College. The fund is designed to furnish assistance through loans to ambitious Clemson graduates who give promise of becoming leaders in research.

*Daniel Memorial Loan Fund.* Interest on \$10,000 given by Daniel Construction Company as a memorial to the late James Fleming Daniel and Fred Adams Daniel, father and brother respectively, of the officers of the corporation.

*The Alexander P. Anderson and the Lydia Anderson Fellowship.* Mr. and Mrs. Anderson have given to the Clemson Agricultural College the sum of \$12,500 for the purpose of establishing a fellowship fund. The income from this trust fund is to be used for the purpose of awarding a scholarship or fellowship to one or more Clemson graduates for advanced work in biological sciences including bacteriology and entomology. The scholarship is to be awarded annually by the faculty of the Clemson Agricultural College to an outstanding student. The name of the beneficiary is reported to the Board of Trustees, and an accounting of the funds by the Treasurer of the College is made annually.

*The Sears Roebuck Agricultural Foundation* has made funds available for freshman agricultural scholarships at Clemson for the past several years. There were twenty one-hundred-dollar Sears Roebuck Scholarships available for 1948-1949 for freshmen who took the agricultural course. The scholarships are awarded on the basis of a competitive examination. Further information concerning these awards may be secured from Dr. H. P. Cooper, Dean, School of Agriculture, Clemson College, Clemson, South Carolina.

The College is in need of funds to lend worthy students. Donations for this or other purposes may be made to the Board of Trustees of Clemson College, or to the Trustees of the Clemson

Alumni Foundation. The President of the College or the Secretary of the boards named above will be glad to communicate with any person who is interested in establishing such a fund.

*Warwick Chemical Foundation in Memory of Manfred Caranci.* The sum of \$3,000 to be held as part of the general capital endowment funds and the income to be used from time to time as the governing board shall from time to time designate, primarily for scholarships to encourage education and research in chemistry and to enable worthy students to pursue graduate studies in chemistry, and otherwise to promote chemical education.

*Howard Carlisle Copeland Memorial Fund.* The family of Howard Carlisle Copeland, who gave his life during the recent war, has set up a permanent memorial fund to be known as the Howard Carlisle Copeland Fund. Each year the interest from the fund shall be given to the boy who has made the greatest endeavor financially to stay in college. In 1948 this award was made to Purvis Hobson Bedenbaugh, Jr. of Leesville, South Carolina.

*Ben and Kitty Gossett Scholarship Fund.* A trust fund of \$10,000 administered by the President of the College and Trustees of the Clemson College Foundation, the interest from which is available for scholarships. First consideration in awarding these scholarships is to be given to young men whose families are employed in the textile mills of South Carolina.

### BUILDINGS AND GROUNDS

*Buildings.* Tillman Hall houses the offices of the President, the Registrar, the Commandant, the Treasurer, the Business Manager, the Professor of Military Science and Tactics, and the Dean of the School of Arts and Sciences. This building also has over twenty classrooms. At the north end of the building is Memorial Hall, the College Auditorium, with a seating capacity of about eighteen hundred.

The Library Building, located in approximately the center of the campus, houses the Main Library, the Agricultural Reference Department, the Museum, the Recreational Reading Room and the Music Room. The Social Science Department uses four

class rooms on the second floor, and the Mailing Room for the Experiment Station and Extension Departments is on the basement floor.

The Library contains 101,737 bound volumes, consisting of books, periodicals and U. S. Government Publications. In addition to the bound volumes the Library contains 780,672 unbound Federal, State, Experiment Station and Extension Service publications; 6,948 unbound periodicals and 38,000 pamphlets and clippings in the vertical subject file. A grant from the General Education Board is enabling the Library to greatly strengthen its holdings of scientific and technical periodicals, journals and books.

The Museum is located on the balcony of the Main Reading Room. It contains many interesting items—Indian Relics, mounted birds and animals, and World War I and II relics, all of which were gifts from friends and alumni.

The Recreational Reading Room is located in the basement of the Library Building, is beautifully and comfortably furnished, and contains many popular and attractive books, current magazines, and daily newspapers.

The Music Room, also located on the basement floor, contains a Carnegie Collection of 1,068 recordings of classical and semi-classical music, an RCA record player, along with music scores and other books relating to music.

The Library Staff consists of seven professionally trained Librarians and several other non-professional assistants and clerical workers. A trained Librarian is always on duty to assist faculty and students.

The Library is open daily from 8 A. M. until 11 P. M., Monday through Friday, from 8 A. M. to 6 P. M. Saturdays, and from 2 P. M. to 11 P. M. Sundays, with the exception of holidays.

The instructional work of the institution is maintained largely in the departmental buildings. The Schools of Agriculture, Engineering, Textiles, Vocational Education, and Chemistry have individual buildings especially designed for their purposes. The School of Arts and Sciences is located in the Administration

Building with additional classrooms in the Library and the Physics Building. Certain laboratory work is conducted at the greenhouses, live stock barns, poultry plant, veterinary hospital, and other buildings on the college farm.

The cadet barracks consist of nine large brick buildings—five of which were constructed since 1935 and three temporary wooden structures erected during 1946. All barracks are steam-heated, electrically-lighted, and supplied with hot and cold water. The one thousand and twenty-six rooms in the barracks are furnished with single-width iron cots and other necessary equipment.

The Hospital, located about a quarter of a mile from the barracks, is a wooden building, especially designed for the purpose. The equipment includes a Victor X-ray machine, a new Burdick ultra-violet ray machine, and a sorensen machine of the latest design for ear, eye, nose, and throat treatments.

The Y. M. C. A. building is a four-story structure equipped with club rooms, lounge rooms, game rooms, and has in addition, thirty rooms available for permanent roomers, guests, and transients. Some of these rooms are reserved for members of the Extension Department and other visitors and guests, and are equipped with connecting or private baths. All the rooms are furnished with Simmons beds and Beautyrest mattresses. Having an auditorium, gymnasium, and swimming pool, the YMCA building is admirably fitted to serve as a center of social activities and voluntary religious work. Two auditoriums equipped with heating and cooling systems provide accommodations for numerous conferences, especially during the summer months when fewer students are in school.

The Physical Education Building consists of a central office and dormitory section, a field house, and a gymnasium.

The Laundry, which is operated exclusively for the students, is a brick building, equipped with improved modern machinery.

The Clemson College Hotel, a frame building, is situated on a hill overlooking the campus. This building and numerous brick and frame residences furnish homes for a number of the college teachers and officers.

Fort Hill, the former home of John C. Calhoun, is located on the Clemson campus. In accordance with the provisions of Mr. Clemson's will, this residence has been made a shrine in honor of Mr. Calhoun. Several pieces of furniture and other interesting relics, formerly the property of Mr. Calhoun, are carefully preserved in this home, where they may be seen by visitors to the college.

*Grounds.* The college grounds comprise about 1,645 acres, including the campus, the farm, and the Experiment Station grounds. The two-hundred acre campus is laid out in walks, drives, and lawns, and is shaded by a beautiful grove of native forest trees.

### LIVING CONDITIONS

At Clemson cadets live in barracks under military discipline. A cadet must at all times be present or accounted for. The barracks or dormitories are divided into "halls" for military purposes, a unit being assigned to a hall under the supervision of a cadet officer.

Cadet officers remain on duty both day and night at the guard room, in which is located a long-distance telephone with twenty-four hour service.

Each student room is equipped with necessary furniture. The beds are single width. Bed linen, bed covers, pillows, and towels must be furnished by the students. All students are required to provide themselves with two laundry bags.

The dining hall, or mess hall, is located in Barracks No. 1. It is equipped and is under the supervision of the mess officer. The kitchen and cold storage plant are among the best in the South. All students living in the barracks eat in the dining hall.

Three hundred and forty-eight houses for veteran students with families are also provided. These houses are the prefabricated type and are equipped with space heater, cooking range, hot water heater and ice boxes. Furniture for the homes is available at a low rental rate. Applications should be submitted to the Clemson Housing Project, located in the Administration Building.

## *RESERVE OFFICERS' TRAINING CORPS*

All cadets of the college are required to take military training. Subject to the allotment of sufficient funds by the War Department and to the maintenance of good records by cadets, all physically qualified cadets of Clemson College are members of the Reserve Officers' Training Corps during the first two years of residence, unless they have completed the basic course in other senior units. Qualified veterans of World War II are excused from all military functions, but may elect to become a member of the ROTC with permission of the PMS&T.

The Department of the Air Force and the Department of the Army maintains a Senior Division of the ROTC at Clemson Agricultural College. This institution is classified by the Department of the Air Force and the Department of the Army as a Military College. The mission of the Reserve Officers Training Corps is to produce junior officers who have qualities of leadership and attributes essential to their progressive and continued development as officers in the Air Force and Army of the United States. The Military Department at Clemson Agricultural College places emphasis upon leadership to assist Clemson men in meeting any situation in life with success and honor.

The Department of the Air Force maintains two branches at Clemson as follows: Air Force Maintenance and Air Force Transportation.

The Department of the Army maintains six branches at Clemson as follows: Armored Cavalry, Engineers, Infantry, Ordnance, Quartermaster and Signal Corps.

The ROTC at Clemson consists of two parts; the Elementary Course (Freshmen and Sophomore Military Science) and the Advanced Course (Junior and Senior Military Science). The Elementary Course consists of two hours of scheduled classroom work; two hours of drill and one hour of inspection per week. This course of instruction is applicable to the Army as a whole and is not specialized for branches of the Army. The Advanced Course consists of four hours of scheduled classroom work, two hours of drill and one hour of inspection per week. This course is specialized training applicable to a particular branch of the

service. For each semester Elementary ROTC training successfully completed, the student receives one credit hour and for each semester Advanced ROTC successfully completed, the student receives three credit hours—all of which are counted as approved credits in the curricula toward a degree.

*Summer Camp.* Members of the Advanced Course are required to attend camp one summer, normally between the junior and senior years. All students going to camp receive mileage for the round trip from school at the rate of five cents per mile, and are messed, housed, uniformed, and given medical attention at government expense while at the camp. The duration of camp is six weeks and it begins about June 15 each year.

The military training will consist of practical and theoretical instruction of a specialized branch-type, emphasizing field work and special equipment that cannot readily be housed or maintained on the campus. In addition to this training, the student has an opportunity to participate in healthy outdoor sports of all kinds and in competition with young men from other colleges. A well-arranged religious program is conducted at each camp by experienced chaplains.

*Distinguished Military Graduates.* Those students who have completed the prescribed ROTC course and who have been selected by the President of Clemson Agricultural College and the PMS&T may be designated by the PMS&T as Distinguished Military Graduates, if they have acquired outstanding grades in Military Science courses and possess outstanding qualities of leadership, character and aptitude for military service. Such Distinguished Military Graduates may apply for an appointment as a Second Lieutenant in the Regular Air Force or Regular Army.

*Enrollment and Continued Requirements.* The general requirements for enrollment and continuance in the ROTC are that the student be a citizen of the United States, physically qualified as prescribed by the War Department, accepted by the institution as a regularly enrolled student, be not less than fourteen years of age and must not have reached twenty-three years of age at the time of enrollment except for veterans of World War II enrolling at college prior to January 1, 1950; in addition, the student must

successfully complete such general survey screening tests as are given to determine eligibility for admittance to the elementary and advanced courses and agree in writing upon admission to the Advanced ROTC course to complete the course of instruction offered unless released by the War Department. Should a student fail to continue the prescribed course while a student at Clemson College, he may be required to refund to the Government any sums previously paid. The contract will expire if the student's attendance at school is interrupted for more than two calendar years. All students formally enrolled in the Advanced Course must not have reached twenty-seven years of age at the time of enrollment.

*Emoluments.* Elementary students are paid commutation in lieu of uniforms at the rate of \$9.00 per year (freshman and sophomore years).

Advanced students are paid commutation in lieu of uniform at the rate of \$94.77 for the entire Advanced Course (both junior and senior years combined), and in addition commutation in lieu of subsistence at the rate of \$0.79 for a total of not to exceed 570 days during Junior and Senior years. In considering emoluments of Advanced students, it should be remembered that they are paid for service at summer camp at the rate of private in the Army; at present this amounts to a little over \$100.00.

ROTC subsistence allowance is paid to veterans who are enrolled in the Advanced Course in addition to subsistence allowance under Section 400(b), Serviceman's Readjustment Act of 1944.

*Texts and Equipment.* The Federal Government will provide the necessary texts and equipment to carry out the ROTC program.

*Band.* The Corps of Cadets has a splendid band composed of about one hundred members; it is organized as a cadet company. Both the War Department and the college have provided instruments; however, potential members of the Band are encouraged to bring their instruments to college with them. The college is fortunate in having an accomplished director to train the Band.

*Rifle Team.* A rifle team chosen through individual competition is selected to represent the ROTC in Hearst Matches, Army Matches, and in matches with other colleges and universities throughout the country. Shoulder-to-shoulder matches are fired each year. The firing is conducted with modern small-bore target rifles on an indoor range.

### STUDENT HEALTH SERVICE

The Surgeon, who has complete charge of the hospital, is one of the regular officers of the College, and his special duty is to look after the health of the students.

At a specified time every day, students who desire may consult the Surgeon, and those who are admitted to the hospital are cared for by experienced nurses in the college hospital. In case of necessity students are allowed to consult the Surgeon at any time, or to send for him in an emergency.

The Surgeon cannot undertake to notify parents every time a student reports to the hospital for medicine, or for rest on account of some slight complaint. However, they may rest assured that they will be notified at once of sickness of any consequence.

The medical fee paid by each student is intended to cover all ordinary cases of sickness and their treatment. It is not intended to cover fees of doctors or specialists called into consultation, for performing operations, for special nurses, or for any medical or surgical attentions performed away from the College; and the College does not assume any responsibility for accidents that happen away from the College. Such expenses must be borne by the parents. The right of the College Surgeon, with the approval of the President of the College, to incur in behalf of any student under his care any of these extra services is hereby expressly reserved.

### RELIGIOUS INFLUENCES

Clemson cooperates with the various churches and the Y. M. C. A. in the religious training of its students. The Y. M. C. A., located on the campus, provides accommodations for all denominational groups not having church homes on the campus and is

used a great deal by campus church groups, often because it is so convenient and accessible. Numerous union services and cooperative meetings of young people's societies of the campus churches, of the Y. M. C. A. Councils, and Cabinet afford a united front for religious services.

Five denominations: Baptist, Episcopal, Methodist, Presbyterian, and Roman Catholic, have erected churches in the community. Arrangements are made for services for students of other denominations. Sunday schools and young people's church societies are maintained by the local churches. Attendance upon the services of these organizations is voluntary.

Courses in Religion, which are credited as free electives, are offered. This work is not financed by the College. For information regarding these courses see the description of courses.

### *HISTORICAL STATEMENT*

In 1889, the General Assembly of South Carolina accepted the bequest of Thomas G. Clemson, which set aside the bulk of the Clemson estate for the founding of a scientific and technical college. The institution was also established under the Morrill Land-Grant Act passed by the National Congress in 1862. Clemson College, therefore, is the Agricultural and Mechanical College of South Carolina and is a member of the national system of Land-Grant Colleges and Universities.

The nature of the institution is outlined in Mr. Clemson's will and its acceptance by the legislature.

The will in part reads:

"Feeling a great sympathy for the farmers of this State, and the difficulties with which they have to contend in their efforts to establish the business of agriculture upon a proper basis, and believing that there can be no permanent improvement in agriculture without a knowledge of those sciences which pertain particularly thereto, I have determined to devote the bulk of my property to the establishment of an Agricultural College upon the Fort Hill Place. My purpose is to establish an Agricultural College which will afford useful in-

formation to the farmers and mechanics; therefore it should afford thorough instruction in agriculture and the natural sciences connected therewith; it should combine, if practicable, physical with intellectual education; and should be a high seminary of learning in which the graduate of the common schools can commence, pursue and finish a course of studies terminating in thorough theoretic and practical instruction in those sciences and arts which bear directly upon agriculture. \* \* \* \* but to always bear in mind that the benefits herein sought to be bestowed are intended to benefit agriculture and mechanical industries. \* \* \* \* I trust I do not exaggerate the importance of such an institution for developing the material resources of the State, by affording its youth the advantages of scientific culture.

"The desire to establish such a school or college, as I have provided for in my said last will and testament, has existed with me for many years past, and many years ago I determined to devote the bulk of my property to the establishment of an Agricultural School or College. To accomplish this purpose is now the one great desire of my life."

This will gave all that part of the Fort Hill Estate inherited by Mrs. Clemson from her mother and the bulk of Mr. Clemson's other real and personal property. The latter amounted to a sum, which, considering the purchasing power at the time, probably has been only a few times exceeded in a public benefaction in South Carolina.

A Board of Trustees of seven members was provided for: R. W. Simpson, D. K. Norris, M. L. Donaldson, R. E. Bowen, B. R. Tillman, J. E. Wannamaker, and J. E. Bradley, who with those chosen by the General Assembly, should constitute a governing board in case the State accepted the bequest; but, who, in case the State declined the bequest, should alone constitute a governing board for a private institution.

These seven trustees, along with other friends of the movement, and the agricultural groups in the State developed and organized a public opinion favorable to the plan.

In November, 1889, the General Assembly of South Carolina accepted the terms of the will, and, following the decision

of the United States Supreme Court to uphold the will, the State of South Carolina and the full Board of Trustees proceeded to convert the dream of Thomas G. Clemson into the reality of Clemson College.

The College was formally opened in July, 1893, with an enrollment of 446 students. The first graduating exercises were held in December, 1896, with a graduating class numbering thirty-seven—fifteen in the agricultural courses and twenty-two in the engineering courses.

### *LOCATION*

The College is located on the Fort Hill homestead of John C. Calhoun, in the foothills of the Blue Ridge Mountains. It has an elevation of 800 feet above sea level and commands an excellent view of the mountains to the north and west, some of which attain an altitude of over five thousand feet.

The College is located at Clemson, S. C., on the main line of the Southern Railway, and four miles from Pendleton, on the Blue Ridge Railway. State Highways numbers 13 and 28 pass through Clemson, and daily bus service at regular intervals is available.

### *CLEMSON COLLEGE ALUMNI CORPORATION*

The Alumni Corporation has established a permanent office on the campus. The office is in charge of a secretary, who is elected by the Board of Directors of the Corporation. The Clemson office is a clearing house for all matters concerning the alumni. In addition to keeping accurate records of addresses and information concerning alumni, the Corporation has established at the Clemson headquarters a bureau for repairing Clemson class rings, and for securing duplicates of these rings.

The Corporation holds its regular annual meeting at the College on Saturday of Commencement. At this meeting all officers are elected. The Secretary is elected by the Board of Directors which is in turn responsible to the general Corporation for the conduct of its business. The purpose of the Alumni Corpora-

tion is to serve the College and the alumni in every possible way. All correspondence regarding its affairs is conducted through the Clemson office.

Graduates and former students are requested to keep the Alumni Office informed as to change of address, occupation, and other matters that will be of interest to those in charge of Alumni Records and mailing lists.

The Alumni Corporation is now raising a fund to be used in educating the sons and daughters of Clemson men who were killed in World War II. The fund now stands at approximately fifty-thousand dollars. Anyone interested in contributing to this fund should contact the Alumni Secretary, Clemson College, Clemson, South Carolina.

The Alumni Corporation is also raising a fund as an endowment for the College, known as the Clemson College Foundation. This fund will be used for the benefit of Clemson College, its students, faculty and alumni.

**THE  
CLEMSON  
AGRICULTURAL  
COLLEGE  
RECORD**

---

**PART III**

---

**Student Life And Activities**

## PART III—STUDENT LIFE AND ACTIVITIES

---

### CADET MILITARY ORGANIZATION

Clemson College is operated as a military school,—not for the purpose of making soldiers, but in order that the students may learn the importance of loyalty and obedience to authority, and acquire the habit of being courteous, systematic, and punctual.

The military system places every student on an equal standing. All cadets wear the uniform, live under the same conditions, and are subject to the same privileges and restraints.

The military system does not in any way interfere with the regular college work, but on the other hand enables it to maintain a higher level of efficiency. Military training is a feature that gives to Clemson's graduates an advantage which is an important factor in their future progress and success.

### CLUBS AND SOCIETIES

*Honor Fraternities.* Honor scholarship organizations, including Tau Beta Pi, Sigma Tau Epsilon, Phi Psi, Alpha Zeta, Alpha Tau Alpha, Iota Lambda Sigma, Alpha Chi Sigma, and the Minaret Club, give recognition to superior work done by Engineering, Arts and Sciences, Textile, Agricultural, Agricultural Education, Industrial Education, Architecture, and Chemistry students respectively.

The Phi Kappa Phi, honor society, and the Phi Eta Sigma fraternity both have chapters at Clemson. The former is an all-college honor organization composed of members of the senior class. The latter is a freshman organization with members selected from students who attain a high scholastic standing during the first semester of the freshman year.

The military activities of the cadet officers of the corps are recognized in membership in the Society of Scabbard and Blade, a national military honor fraternity. The Pershing Rifles, a national honorary military organization, also has a chapter at Clemson.

The Blue Key, a national fraternity based upon leadership, has a chapter at Clemson, as does Alpha Phi Omega, a national fraternity for former Boy Scouts. The Tiger Brotherhood is a local organization at Clemson which stresses the qualities of leadership.

*Student Clubs.* Students majoring in various courses of instruction have organized clubs. Among such clubs are included the Agricultural Economics Society, the Dairy Club, the Horticultural Club, and Iota Epsilon (Industrial Education) and the Animal Husbandry Club.

The Calhoun Forensic Society and the Strawberry Leaf promote literary activities among the students; and the Gamma Alpha Mu recognizes superior journalistic service rendered by students.

The Y. M. C. A. and the Clemson Churches are recognized through organizations of the Baptist Student Union, Brandeis Club, Canterbury Club, Newman Club, Presbyterian Students Association, Wesley Foundation, Y. M. C. A. Cabinet, and the "Y" Council representing each of the four classes.

*Engineering Societies.* Outstanding students majoring in engineering courses are selected for membership in the Student Chapter of the American Institute of Electrical Engineers, American Society of Mechanical Engineers, American Society of Civil Engineers and the American Society of Agricultural Engineers.

*Music Activities.* The Clemson College Glee Club is composed of approximately sixty students under the musical leadership of the Director of Music. The organization performs the best in choral literature and makes appearances at various student functions on the campus. Students interested in the organization may become members by satisfactorily completing a simple audition. Previous experience and the ability to read music are not required.

In the spring of each year, the Glee Club makes a short tour of nearby institutions. Another highlight of the year is the participation by the Glee Club in a three hundred voice mixed choir of South Carolina College students in a performance with

the Southern Symphony Orchestra. This concert is given annually in Township Auditorium, Columbia, South Carolina.

*The Senior Platoon.* The Senior Platoon is a Fancy Drill unit composed of cadet officers of the Senior class. This Platoon was activated in 1931 for the purpose of increasing proficiency and developing pride among the cadet officers. Frequent exhibitions of fancy drill are given by this Platoon at football games and other celebrations and ceremonies.

### THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The Y. M. C. A. partakes of the nature of a small city Y. M. C. A. While it is recognized as a student association, the tremendous volume of community service undertaken in the building might easily qualify it as a community building. The Athletic Association has granted permission for the Y. M. C. A. to sponsor basketball and volley ball games in the Field House. Hundreds of basketball and volley ball games are participated in by students, Faculty, Campus children, and visitors from neighboring communities. Saturday morning games are sponsored for children of the community. A picture program is provided for boys and girls of the community as well as students and the swimming pool is available during the winter and summer months for campus children and visitors such as scout groups, 4-H groups, FFA and others. Social functions sponsored by the Y. M. C. A., or with the Y. M. C. A. cooperating, and Open House programs are almost daily occurrences in the club rooms, scout rooms, and cabinet rooms. It is here that many visiting groups are entertained with, and for, students and campus organizations. Evening Watch prayer group, forum groups, freshmen, sophomore, junior, and senior councils all cooperate with, and under, the leadership of the Y. M. C. A. senior cabinet to make possible a real spiritual and mental development in the lives of all the students. Sixty-two faculty members and others visited with students in their evening watch or forum meetings in barracks last year and many student leaders took part in these meetings.

The Y. M. C. A. has supervision of voluntary religious activities of the students and endeavors to contribute to the religious, social, and physical life of the college community.

There are two Vesper services in the Y. M. C. A. auditorium each Sunday. Usually 400 or more attend the afternoon Vesper and often 550 or 600 attend the evening Vesper. Outstanding speakers and many visiting deputation groups are supplemented by local speakers, ministers, and campus leaders. Many educational, news, and travel reels are shown for the students over the weekend. In recent years a number of outstanding speakers have returned to the campus. Included in this group have been many graduates of Clemson who have achieved distinction in the field of education, religion, industry, science, and agriculture.

The college swimming pool at Clemson is located in the Y. M. C. A. Swimming classes, life saving, and instructor's courses are given. Members of the freshman and varsity swimming teams train here and many company swimming meets are scheduled. The pool is heated throughout the winter months and it is filtered and chlorinated with electric equipment.

Intramural athletics are encouraged and sponsored by the Physical Education Department and the Y. M. C. A. All of the companies with military organization and athletic officers have teams in such sports as basketball, volleyball, swimming, baseball, and soccer. These competitive games receive hearty support from many students and afford an opportunity for active participation. Practically all of the students at Clemson participate in some form of recreation or an intramural sport. Quite a number take part in many intramural sports. Participation is voluntary, but the majority of the students take advantage of this opportunity for wholesome recreation and physical direction. A director and trained student leaders are provided by the YMCA and these cooperate with A & R officers and with interested veterans.

### ATHLETICS

It is the policy of the College to sanction and encourage athletics so long as participation does not interfere with studies and other duties. Football, baseball, basketball, and track are the most popular sports.

The College is a member of the Southern Conference and of the South Carolina Intercollegiate Athletic Association. In

order to participate in inter-collegiate athletics, the student must meet the requirements of the Southern Conference as well as the requirements of the College.

No member of an athletic team is eligible for a managerial position in any other branch of sport.

No team is allowed to leave the College grounds to participate in any match game unless accompanied by the authorized coach or other member of the faculty, who shall be responsible to the College for the conduct of the players while away.

No student is eligible to participate in an inter-collegiate contest who is away from the College without proper authority or without having complied with all the rules or orders issued by the President regarding such matters.

### MEDALS AND HONORS

*Trustees' Medal.* The Board of Trustees has provided for a gold medal to be awarded annually at Commencement to the best speaker among the representatives of the literary societies.

The medal was awarded in 1948 to Harold Fochone Landrith, of Seneca, South Carolina.

*Norris Medal.* The following is from the will of the Hon. D. K. Norris, a life trustee of Clemson, who died in 1905:

"I give \$500 face value, Norris Cotton Mill stock . . . on condition the dividend thereon shall be applied annually to the purchase of a gold medal, to be known as the 'Norris Medal', to be awarded to the student of Clemson meriting the same at graduation, under such rules and conditions as may be prescribed by the said Board of Trustees, and which medal shall have engraved on it 'Honor habet onus' (Honor brings responsibility)."

In 1948 this medal was awarded to James Henry Walker, III of Griffin, Georgia.

*R. W. Simpson Medal.* A medal designated as the "R. W. Simpson Medal" is awarded annually to the best drilled cadet in the freshman, sophomore or junior class.

In 1948 the medal was awarded to Guinn R. Timmerman of Charleston, South Carolina.

*Andrew Pickens Medal.* An award designated as the Andrew Pickens Medal is awarded annually to the outstanding cadet in Military achievement, leadership, soldierly bearing and loyalty.

In 1948 this medal was awarded to Brice Elliott Lytle of Fort Mill, South Carolina.

*Arnold R. Boyd English Honor Key.* Arnold R. Boyd, '14, now a lawyer in New York, donates this Honor Key annually to the student in the graduating class who makes the best record in English during his college course.

In 1948 this award was given to Harold Fochone Landrith of Seneca, South Carolina.

*Architect's Medal.* The South Carolina Chapter of the American Institute of Architects each year awards a medal to the outstanding junior or senior in Architecture.

In 1948 the medal was awarded to Melzar Pegram Booker of Clemson, South Carolina.

*Agricultural Certificates of Merit.* Beginning with the session of 1914-1915 certificates of merit have at times been awarded to two farmers in South Carolina who have rendered distinguished service in the agricultural development of the State.

*National Association of Cotton Manufacturers Medal.* For several years this medal has been awarded to the outstanding graduate in Textile Engineering, both in February and in June.

In 1948 these awards were given to William Stillwell Vincent of Spartanburg, South Carolina, and Robert Erwin Christenberry of Greenville, South Carolina.

*The American Association of Textile Chemists and Colorists Award.* This award for the best work done in Textile Chemistry and Dyeing by a member of the graduating class was given in 1948 to John M. Nesius, Utica, New York.

*Phi Psi Award.* This award is made by the National Honor Council of the Phi Psi Textile Fraternity to the textile graduate who has attained the highest scholastic record in textile courses.

In 1948 this award was given to James Henry Walker, III of Griffin, Georgia.

*Anderson Fellowship.* This fellowship, providing the sum of \$400 annually for pursuing graduate study in agriculture, was awarded in 1948 to Leon Hunter Moore of York, South Carolina.

*Quartermaster Association Annual Awards.* The Quartermaster Association, Washington, D. C., sponsors annual awards to the outstanding First Year Advanced Quartermaster Cadet and to the outstanding Second Year Advanced Quartermaster Cadet. The outstanding First Year Advanced Quartermaster Cadet receives a medal of appropriate design upon which is superimposed the insignia of the Quartermaster Association. The outstanding Second Year Advanced Quartermaster Cadet will be presented a scholastic key of similar design.

Candidates for the awards will be selected by the Professor of Military Science and Tactics and the Quartermaster ROTC Instructor.

*Ordnance Association Annual Award.* The Ordnance Association, Washington, D. C., sponsors annually an award to the outstanding Second Year Advanced Ordnance Cadet. This cadet will be selected by the Professor of Military Science and the Ordnance ROTC Instructor.

*James Lynah Merit Awards.* Income from fund established by Mr. James Lynah in memory of distinguished professors who were teaching at Clemson when the members of the Class of 1902 were undergraduates shall be used to grant prizes. A sum of money not to exceed the income shall be allotted equally to five young men out of each graduating class who in the opinion of the faculty meet the specific requirements.

The 1948 recipients of the awards of \$50 each were: The Mark Bernard Hardin prize in Chemistry to Francis Baird Hutto, Jr. of Jacksonville, Florida. The Charles Manning Furman prize in English to Harold Fochone Landrith of Seneca, South Carolina.

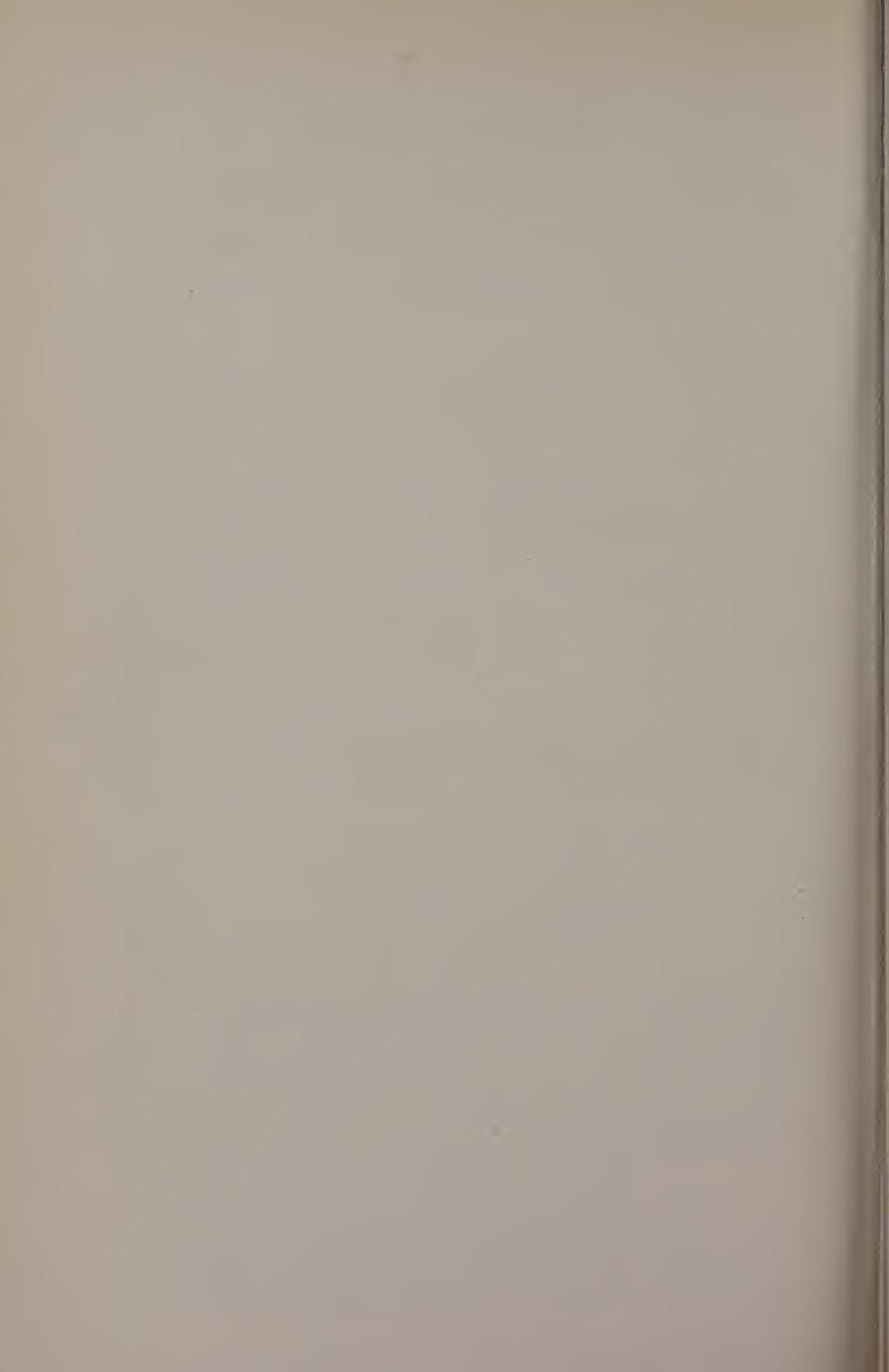
The William Shannon Morrison prize in History to Harold Fochone Landrith of Seneca, South Carolina. The Walter Merritt Riggs prize in Electrical Engineering to Henry Thompson Cannon, Jr. of Newberry, South Carolina. The Augustus G. Shanklin prize in Military Science and Tactics to Alfred Burgess Robinson of Easley, South Carolina.

*Sears-Roebuck Award.* An award of \$200 given to the Sophomore who makes the highest scholastic average as a Freshman Sears-Roebuck Scholar.

*The Borden Agricultural Scholarship.* The Borden Company Foundation awards annually the sum of \$300 to the eligible Senior achieving the highest average grade on all college work preceding the Senior year. To be eligible for this award, the student must have included in his curricula two or more Dairy subjects.

In 1948 this award was given to William McKay of Hendersonville, North Carolina.

*Alpha Zeta Award.* An annual award given to the sophomore in agriculture having the highest grade-point ratio for the first three semesters. This award was first given in 1947 and the recipient was Samuel Parker Young of Dalzell, South Carolina.



**THE  
CLEMSON  
AGRICULTURAL  
COLLEGE  
RECORD**

---

**PART IV**

---

**Organization And Government**

## PART IV—ORGANIZATION AND GOVERNMENT

---

### ADMINISTRATIVE ORGANIZATION

*Board of Trustees.* The government of the College is vested in a Board of thirteen members, six of whom are elected by the Legislature, and seven life and self-perpetuating under the Clemson will. The function of this Board is legislative and not executive. The Board determines the general policy of the College, makes the laws for its government, and directs the expenditure of its funds.

*The President* is the chief executive and administrative officer appointed by the Board of Trustees. He is the head of the College and is responsible for its satisfactory working and success.

*The College* is divided into schools of Agriculture, Arts and Sciences, Chemistry, Engineering, Textiles, and Vocational Education. A dean is at the head of each school and is responsible to the President for its conduct and success. The schools are comprised of departments. Each department is in charge of a professor who acts as its head. The President conducts all official business with each department through its dean.

*The Faculty* consists of all officers of instruction in the College. The voting members are the deans, professors, associate professors, and assistant professors.

The faculty meets once a month, or whenever called by the President, and is an advisory body to the President, on the instructional work of the College and such other business as he may bring before it.

The deans and directors of the various schools and departments meet weekly or when called by the President for consideration of matters affecting the welfare of the College. Departmental faculty meetings are held periodically.

*Faculty Committees.* In order to aid him in his executive duties and to carry on the instructional work of the College,

the President appoints committees from the faculty. To these are assigned certain specified lines of work and the committees are clothed with full authority.

### MILITARY ORGANIZATION

*The President.* The President of the College shall have general command and government of the institution, watching over its administration, discipline, and instruction. He shall have authority to make rules from time to time, governing the granting of permits and furloughs to cadets; to inspect anything in a cadet's room or personal baggage; to suspend or modify these regulations, or to publish special regulations when he considers it necessary, which shall have the authority of the Board of Trustees until they shall act on the same. He shall prescribe the hours of study, drill, and recreation.

*Commandant.* The Commandant of Cadets, under the President, has supervision of the discipline of the Corps of Cadets. He shall prescribe the order in which the furniture, bedding, books, clothing, equipment, etc., shall be arranged throughout the barracks and shall make a thorough inspection of the rooms, furniture, arms, equipment and uniforms of the cadets at least once each week. He shall have the right to inspect anything in a cadet's room or personal baggage. He shall perform such other duties as are prescribed in the regulations. He shall have the rank of Colonel.

*Assistant Commandants.* The Assistant Commandants shall perform such duties as may be prescribed for them by the President or Commandant.

*Military Instruction.* All students, excepting such students as are excused by the President, must take a minimum of three hours military instruction per week during the first three years. All who pass the required physical examination must take the Elementary Course prescribed by the War Department for the R. O. T. C. during their freshman and sophomore years.

*Cadet Officers and Non-commissioned Officers.* The cadet officers and non-commissioned officers are appointed by the Pro-

fessor of Military Science and Tactics, subject to the approval of the President. When practicable they shall be appointed from members of the R. O. T. C. who have been most studious and soldier-like in the performance of their duties and most exemplary in their conduct. No cadet may decline any office to which he may be appointed.

As a rule the officers shall be appointed from the senior class; the non-commissioned officers, except corporals, from the junior class; and the corporals from the sophomore class.

*Study Hours.* Study hours are those parts of the day which are designated for study and shall be prescribed in orders. All hours at which a student has no classes or other duties may be used as study hours and students are expected to use vacant hours during the day as well as the assigned period after supper for study.

*Furloughs.* Every cadet is responsible for his class absences whether he is on a furlough or at the College. Restrictions regarding class absences are explained in the class attendance regulations. Any cadet who has been granted a furlough and who stays over the time stipulated, unless for sickness or other reason acceptable to the Commandant, will be administered a punishment not to exceed one month's arrest and twenty demerits. In case a cadet is prevented by sickness from returning at the stipulated time, he must submit a certificate from his attending physician. However, no such certificate will be accepted unless the President or the Commandant has been notified in advance of the expiration of the furlough.

Cadets returning late on furlough are placed in room arrest pending an investigation of the reason of the late return.

All communications from parents requesting furloughs for their sons must be addressed or sent directly to "The Commandant," and must set forth fully the reason for the request. No furlough will be granted unless the reasons given are considered satisfactory and sufficient justification for any loss of time from college duties; every student is held responsible for his class absences in accordance with the provisions of the class attendance regulations. Telegrams which do not explain fully will not be

accepted as complying with the rules. In any case in which business is given as a reason, the nature of the business must be explained fully.

A parent has the right to demand a discharge from College at any time and for any reason, but the College authorities reserve the right to grant or refuse furloughs.

*Week-End Leaves.* Week-end leaves will be granted under conditions prescribed by the President.

*Demerits.* Any regular cadet who may receive within any one semester more than 90 demerits during his freshman year, or more than 70 demerits during his sophomore year, or more than 60 demerits during his junior year, or more than 50 demerits during his senior year; or any day cadet who may receive within any one semester more than 80 demerits during his freshman year, or more than 60 demerits during his sophomore year, or more than 50 demerits during his junior year, or more than 40 demerits during his senior year shall be required, by the President, to withdraw immediately from College.

*Discharge.* No cadet unless twenty-one years of age and paying his own way at college shall be honorably discharged except on the written application of his parents or guardian addressed to the President, or for reasons satisfactory to the President.

## SCHOLASTIC REGULATIONS

1. *Credits.* The semester hour shall be the basis of all credits. One recitation hour or three laboratory or shop hours a week constitute a semester hour. The standing of a student in his work at the end of a semester shall be based on daily class work, tests or other work, and the final examinations. Written examinations shall be required in all subjects at the end of each semester, except in certain laboratory or practical courses where not deemed necessary by the department faculty. A semester grade once reported to the Registrar shall be the final grade for the period covered.

2. *Grading System.* The grading system is as follows:

A—*Excellent*. Indicates that the student is doing work of a very high character. The highest grade given.

B—*Good*. Indicates work that is satisfactory, though not of the highest order.

C—*Fair*. Indicates work of average or medium character.

D—*Pass*. Indicates work below average and unsatisfactory. The lowest passing grade. For graduation a student must complete his course with such grades as to give him twice as many grade points as the number of credit hours required.

E—*Conditioned*. Indicates a failure to satisfy the requirements as to daily recitations, tests or other work, as well as to the final examination, which condition in the opinion of the instructor may be made up by reexamination at some fixed time.

F—*Failed*. Indicates that a student knows so little of the subject that it must be repeated in order that credit may be received.

I—*Incomplete Work*. Indicates that a relatively small part of the semester's work remains undone. A Grade I is not to be given a student who has made a grade F on his daily work.

"I-Abs. Ex." Indicates absence from examination on account of sickness or other satisfactory reason.

WP—*Withdrew Passing*. This grade indicates that the student withdrew from the course while doing satisfactory work. The credit hours of a subject on which the grade of WP is received are counted as credits taken in computing the student's grade point ratio.

WF—*Withdrew Failing*. Indicates that the student withdrew from the course while doing unsatisfactory work. The credit hours of a subject on which the grade of WF is received are counted as credits taken in computing the student's grade-point-ratio.

*Reports and Grades*. Semester reports are mailed to parents after the end of each semester (usually within two or three weeks.) Mid-semester reports do not form a part of the perma-

ment record in the Registrar's Office, but are sent to parents for their information.

*Grade Points.* Nine grade points are assigned for each credit hour on which the student receives the grade of A; six grade points for each credit hour of grade B; and three for each credit hour of grade C. No grade points are assigned for grades D, E, or F. In calculating a student's grade-point ratio, the total number of grade points accumulated by the student is divided by the total number of credit hours taken by the student during the semester, session, or other period for which the ratio is calculated.

*Dropping Class Work.* A subject dropped after the first four weeks of class work is recorded as "Withdrew Passing" or "Withdrew Failing" depending upon the student's grade in the course at the time the subject was dropped.

Upon the recommendation of the instructor and the dean concerned, a student's standing will be investigated and he may be required to drop a subject because of neglect, or lack of application or preparation. No student will be dropped under this rule without approval by the President.

*Removal of Grade I.* All incomplete grades (I's) for a semester not removed within thirty days after the beginning of the next semester shall become F's unless an extension of time is approved by the instructor concerned and the Registrar.

A student who, for reasons satisfactory to the faculty, is absent from any examinations will be graded I-Abs. Exam. and will be allowed to make up these examinations at such time as is designated for this purpose.

3. *Academic Standards.* Proper discharge of all duties is required at Clemson College, and a student's first duty is his scholastic work. All students should be thoroughly acquainted with and cognizant of these basic requirements.

*Minimum Requirements to Continue Enrollment.* A student in his first semester of attendance in college to be eligible to continue his enrollment must pass a minimum of six semester credit hours\* of work.

A student in his second semester of attendance in college to be eligible to continue his enrollment must pass a minimum of nine semester credit hours\* of work.

A student in his third or any later semester of attendance in college to be eligible to continue his enrollment must pass a minimum of twelve semester credit hours\* of work.

Any student who fails to meet these minimum standards will be suspended for at least a semester.

*Class Attendance Regulations.* The class attendance regulations are as follows:

*A. For Students Classified as Freshmen.*

(1) While a student's first duty in college is his class work and except for special reasons any student should be in every class on schedule, the college recognizes several justifiable reasons for class absences and authorizes absences for these. In addition, restricted provision is made for a few minor personal emergencies. Rigid penalties are provided for abuse of these regulations.

(2) Absences for the following will be officially authorized:

(a) *Sickness.* Certified by the college surgeon on the hospital report or by another doctor and endorsed by the college surgeon.

(b) *Guard Duty.* Certified by the Commandant as the guard detail for the day.

(c) *Official representation in intercollegiate athletic contests.* Certified by the head coach and proper forms submitted in advance to the Attendance Officer.

(d) *Educational trips.* Certified by the dean of the school concerned and proper forms submitted in advance to the Attendance Officer.

(e) *Personal emergencies of a serious nature, such as death or serious illness in the family, emergencies such as make it absolutely necessary that the student be absent from college, and*

\*These minimum totals shall be exclusive of courses graded E and exclusive of courses graded I unless there are extenuating circumstances for the I.

very serious emergencies while on the campus. Approved in advance by the Commandant for ROTC students or by the Attendance Officer for veteran students not in the military organization.

(3) To provide for minor personal emergencies a student will not be penalized for one unauthorized absence per semester in each course. These are not to be regarded as "cuts." For any additional unauthorized absence, the student will be dropped from the course.

(4) Any student, who by being dropped for excessive absences, reduces his load below twelve semester credit hours shall be suspended from the college at least for the remainder of that semester and the semester following.

(5) Students shall not request instructors to excuse them from class or to change class periods or examinations. Instructors have no authority to grant such requests. All class work missed on account of authorized absences shall be made up to the satisfaction of the instructor concerned. Instructors will not be obligated to permit a student to make up any work missed during unauthorized absences. If the unauthorized absence is from a previously announced quiz or examination, the student will not be permitted to make that work up and will be given a grade of zero on that assignment.

(6) A student, who for any reason including emergencies as well as sickness and authorized missions, is absent from more than the equivalent of four weeks' work in a subject will be dropped from the subject unless his continuance is authorized by the President's Council.

(7) These regulations will be administered by The Class Attendance Officer.

#### *B. For Students Classified As Sophomores or Higher.*

For students who are classified as sophomores or higher more responsibility is placed on the student, and no specific penalties for individual class absences are prescribed. Daily reports of all absences will be recorded. After warning, the Attendance Officer will report any cases of habitual negligence or other abuse of privileges. A student whose record, attendance

or scholastic, is generally unsatisfactory may be required to withdraw from the college at any time. To be eligible to continue his enrollment any student who has been in college two or more semesters must pass in each semester a minimum of twelve semester credit hours of work (exclusive of courses graded E and exclusive of courses graded I unless there are extenuating circumstances for the I).

4. *Promotion and Classification.* Effective in September, 1947, and so long as the institution reclassifies students every semester, the following new classification rules will apply:

A. To be classified as a senior, a student must have completed sufficient scholastic work toward his degree to enable him to complete the requirements for graduation by completing not more than 42 additional credits. To be classified as a senior, a student must also have earned twice as many grade points as the minimum number of credit hours required in his case for senior classification.

B. To be classified as a junior, a student must have completed at least 64 semester credit hours and must have earned at least 128 grade points.

C. To be classified as a sophomore, a student must have completed at least 30 semester credit hours.

D. All new students are classified as freshmen unless they have attended another college prior to entrance and have completed sufficient scholastic work as to enable them to complete the requirements for graduation from Clemson in not more than three regular sessions.

E. *Requirements for Graduation.* For graduation a student must complete his course with such grades as to give him twice as many grade points as the number of credit hours required. All work must be completed before 5 P. M. on the Thursday preceding Commencement. Residence of at least one regular session shall be required for graduation.

F. *Seniors Failing to Graduate.* A senior who fails to graduate because of one F on a subject or one or more grades of E or I shall have an opportunity of removing the unsatisfactory grades

by examination after commencement provided that he can furnish evidence of having done satisfactory study. A senior who qualifies for graduation under this regulation will be awarded his degree on the next regular date for the award of degrees.

5. *Removal of Conditions.* Only one opportunity shall be given a student to remove a condition (E) by a reexamination. A student who fails to pass such a reexamination shall be required to repeat the subject hour for hour in class. Not more than twelve credit hours of conditions for a session shall be removed by reexamination. A student shall not receive a grade higher than D when a deficiency is removed by reexamination.

Reexaminations shall be held as scheduled by the schedule committee. All conditions (E's) not removed during the time set aside for reexaminations shall become failures.

6. *Removal of Failures.* A student who has failed (made a grade F) in a subject cannot receive credit for that subject until it has been satisfactorily repeated hour for hour in class, except that in the case of correlated laboratory work, the number of hours to be taken shall be determined by the instructor. Where separate grades for class and laboratory work are given, that part of the subject shall be repeated in which the failure occurs.

7. *Special Examinations.* Any request for a special examination must be approved by (1) the instructor concerned, (2) the head of the department concerned, (3) the dean of the school, and (4) the registrar.

8. *Maximum Credit Load.* The normal schedule for a student includes only as many credit hours as are required for the class and course in which he is registered. Students should schedule this amount of work unless their credits are restricted as a result of a poor scholastic record. Students are advised not to exceed the normal schedule except upon approval by the class advisor.

The number of credits which a student may schedule during either semester of the session is governed by his grade point ratio—the most recently calculated cumulative or semester ratio,

whichever is higher: Until such time as a grade-point ratio is available, a freshman is restricted to the requirements of his course or to 20 semester hours, whichever is higher.

Grade-Point Ratio Required	Maximum Credit Hours Which May Be Scheduled
0.00 to 0.99 -----	18
1.00 to 1.99 -----	19
2.00 to 2.99 -----	20
3.00 to 3.99 -----	21
4.00 to 4.99 -----	22
5.00 to 5.99 -----	23
6.00 to 6.99 -----	24
7.00 to 7.99 -----	25
8.00 or above -----	26

If any student schedules excessive credits, he will be automatically dropped from a sufficient number of subjects to reduce his total credits within the limits. If for any reason a student's excessive registration continues throughout the semester, his credit on one or more subjects passed will be cancelled at the end of the semester.

**THE  
CLEMSON  
AGRICULTURAL  
COLLEGE  
RECORD**

---

**PART V**

---

**Degrees and Curricula**

## PART V—DEGREES AND CURRICULA

---

### BACHELORS' DEGREES

The degree of Bachelor of Science is awarded to those students who satisfactorily complete one of the four-year curricula offered under the Schools of Agriculture, Arts and Sciences, Chemistry, Textiles, Vocational Education, and to those students who complete the four-year course in Architecture or Architectural Engineering under the School of Engineering. The five-year course in Architecture leads to the Bachelor of Architecture degree. The degrees of Bachelor of Ceramic Engineering, Bachelor of Chemical Engineering, Bachelor of Civil Engineering, Bachelor of Electrical Engineering, and Bachelor of Mechanical Engineering are awarded to the graduates of these respective four-year courses.

The total semester credit hours required for graduation amount to 150 in each of the regular four-year curricula. These credits include the prescribed subjects in each curriculum and an appropriate number of approved electives or technical electives as outlined in the regular four-year curricula.

For graduation a student must complete his course with such grades as to give him twice as many grade points as the number of credit hours required. Nine grade points are assigned for each credit hour on which the student receives the grade of *A*; six grade points for each credit hour of grade *B*; and three for each credit hour of grade *C*. No grade points are assigned for grades *D*, *E*, or *F*. Candidates for the degrees listed above are required to apply for their degrees at least two months prior to the date the degrees are to be awarded. These applications should be filled out in the Registrar's Office on the regular blanks provided.

All work for a degree must be completed by 5 P. M. on the Thursday preceding graduating exercises. Residence of at least one regular session is required for graduation. Every candidate for a degree must pay to the Treasurer of the College the cost of his diploma before 5 P. M. on the Thursday preceding graduation.

If all work toward a degree is not completed within five years after entrance, the student may be required to take additional courses.

## GRADUATE DEGREES

The College offers graduate work in certain fields to properly qualified applicants from this and other institutions. Students interested in graduate work should consult with the chairman of the Committee on Graduate Work, the Registrar, and the Dean of the school or the head of the department concerned.

## PROFESSIONAL DEGREES

The College offers the following professional engineering degrees: Civil Engineer, Electrical Engineer and Mechanical Engineer.

The requirements for these degrees are: (a) a Bachelor's degree from Clemson College in one of these three branches in engineering, (b) five years of subsequent professional experience, one year of which must have been in responsible charge of engineering or engineering instruction, (c) the preparation of a thesis demonstrating distinct technical ability. (Detailed information regarding professional degrees may be obtained from the Registrar.)

## CURRICULA

Twenty-seven undergraduate curricula are offered under the Schools of Agriculture, Arts and Sciences, Chemistry, Engineering, Textiles, and Vocational Education. The curricula under each school are listed below:

### SCHOOL OF AGRICULTURE

Agricultural Economics  
Agricultural Engineering  
Agronomy  
Animal Husbandry  
Botany  
Dairy  
Entomology  
Horticulture  
Poultry

### Pre-Forestry

### SCHOOL OF ARTS AND SCIENCES

Arts and Sciences  
Industrial Physics  
Pre-Medicine

### SCHOOL OF CHEMISTRY

Chemistry

### SCHOOL OF ENGINEERING

Architecture  
Architectural Engineering

Ceramic Engineering	
Chemical Engineering	Textile Manufacturing
Civil Engineering	SCHOOL OF VOCATIONAL
Electrical Engineering	EDUCATION
Mechanical Engineering	Education
SCHOOL OF TEXTILES	Industrial Education
Textile Chemistry	Vocational Agricultural Edu-
Textile Engineering	cation

While the College is glad to assist all who ask for help in securing employment, it does not guarantee positions to those who complete any of the courses of study.

In the curricula which follow are given the official title and number of the course, the descriptive title, the number of semester hours credit, and in parentheses the number of hours per week in class and laboratory, respectively.

### SCHOOL OF AGRICULTURE

Organized under the School of Agriculture are nine curricula, including Agricultural Economics, Agricultural Engineering, Agronomy, Animal Husbandry, Botany, Dairying, Entomology, Horticulture, and Poultry. In general, the work of agricultural graduates may be classified in six rather broad fields: Farming, both general and specialized; agricultural extension service, including county agent work and extension specialists; research, especially work with the agricultural experiment stations; government regulatory work, such as plant inspection with the U. S. Bureau of Entomology and Plant Quarantine; teaching in college after appropriate graduate work is completed; and a host of occupations with commercial concerns, such as seed companies, meat packers, fertilizer companies, florists, canneries, agricultural implement concerns, etc. To illustrate the types of work in which graduates of each curriculum engage, a few of the many occupations of agricultural graduates are given below.

### AGRICULTURE

#### *Basic Curriculum*

*Required of all agricultural students except those in Agricultural Engineering and Pre-Forestry.*

## FRESHMAN YEAR

*First Semester**Second Semester*

A H 101 Types and Breeds.....	2 (2,0)
A H 103 Types and Breeds Lab.....	1 (0,3)
Bot 101 General Botany.....	3 (3,0)
Bot 103 Gen. Bot. Lab.....	1 (0,3)
Chem 101 General Chemistry.....	4 (3,3)
Engl 101 Comp. and Lit.....	3 (3,0)
Math 101 College Algebra.....	3 (3,0)
M S 101 Military Drill.....	0 (0,3)
M S 103 M. S. & T.—Basic.....	1 (2,0)
	<hr/>
	18

Agron 101 Farm Crops.....	3 (3,0)
Chem 102 General Chemistry.....	4 (3,3)
Engl 102 Comp. and Lit.....	3 (3,0)
Math 102 Trigonometry.....	3 (3,0)
Zool 101 General Zoology.....	3 (3,0)
Zool 103 Gen. Zool. Lab.....	1 (0,3)
M S 102 Military Drill.....	0 (0,3)
M S 104 M. S. & T.—Basic.....	1 (2,0)
	<hr/>
	18

## SOPHOMORE YEAR

Ag Ec 201 Agric. Economics.....	3 (3,0)
Ag En 201 Farm Machinery.....	3 (2,3)
Engl 203 Survey of Engl. Lit.....	3 (3,0)
Geol 201 Agric. Geology.....	3 (3,0)
Hort 201 Gen. Horticulture.....	3 (2,3)
Phys 201 General Physics.....	3 (3,0)
Phys 203 Gen. Phys. Lab.....	1 (0,3)
M S 201 Military Drill.....	0 (0,3)
M S 203 M. S. & T.—Basic.....	1 (2,0)
	<hr/>
	20

Agron 202 Soils.....	3 (2,3)
Chem 220 Organic Chemistry.....	4 (3,3)
Dairy 201 Dairying.....	3 (2,3)
Engl 204 Survey of Engl. Lit.....	3 (3,0)
Phys 202 General Physics.....	3 (3,0)
Phys 204 Gen. Phys. Lab.....	1 (0,3)
M S 202 Military Drill.....	0 (0,3)
M S 204 M. S. & T.—Basic.....	1 (2,0)
	<hr/>
	18

## AGRICULTURAL ECONOMICS AND RURAL

## SOCIOLOGY

Training in Agricultural Economics and Rural Sociology prepares students wholly or in part for farming; managing farms; appraising land, marketing activities; supervising agricultural loan departments in private banks; directing farmer cooperatives such as the production credit and farm loan associations affiliated with the Farm Credit Administration; educational work as teachers or extension workers; public relations research and sales work for the manufacturers of agricultural implements, fertilizers, etc.; organizational and publicity work for farm organizations and cooperative associations; positions in state, county and local government service; research work in farm management, farm credit, taxation, marketing, farm population and rural life trends; farm planning work for the Soil Conservation Service; and for operating numerous enterprises where a knowledge of economic principles is an essential supplement to knowledge of the technical requirements of the business.

## AGRICULTURAL ECONOMICS MAJOR

For additional requirements see *Basic Agricultural Curriculum*

### JUNIOR YEAR

Ag Ec 301 Rural Sociology.....	3 (3,0)	Ag Ec 302 Farm Management.....	4 (3,3)
Ag Ec 305 Farm Accounting.....	2 (1,3)	Ag Ec 352 Public Finance.....	3 (3,0)
Ag Ec 309 Marketing.....	3 (2,3)	or Ag Ec 356 Agri. Ind. Rel.....	3 (3,0)
Engl 305 Expository Writing.....	3 (3,0)	Engl 301 Public Speaking.....	3 (3,0)
Hist 301 U. S. since 1865.....	3 (3,0)	P H 301 Farm Poultry.....	3 (3,0)
M S 301 Military Drill.....	0 (0,3)	P H 303 Farm Poul. Lab.....	1 (0,3)
Approved Electives .....	5	M S 302 Military Drill.....	0 (0,3)
		Approved Electives .....	5

#### Suggested Electives:

Bact 301 Gen. Bacteriology.....	3 (3,0)
Bact 303 Gen. Bact. Lab.....	1 (0,3)
M S M. S. & T.—Adv.....	3 (4,0)
Y M 305 Cotton Marketing.....	1 (0,3)

#### Suggested Electives:

Dairy 352 Advertising & Mktg.....	3 (3,0)
Ent 301 Elem. & Econ. Ent.....	3 (2,3)
M S M. S. & T.—Adv.....	3 (4,0)

### SENIOR YEAR

Ag Ec 401 Statistics.....	3 (2,3)	Ag Ec 406 Seminar.....	1 (1,0)
Ag Ec 405 Seminar.....	1 (1,0)	Ag Ec 452 Agric. Policy.....	3 (3,0)
Ag Ec 451 Econ. of Coop.....	3 (3,0)	Ag Ec 456 Prices.....	3 (3,0)
or Ag Ec 455 Internat. Trade.....	3 (3,0)	or Ag Ec 460 Agric. Finance.....	3 (3,0)
Dairy 301 Genetics.....	3 (2,3)	Ag En 301 Soil Conservation.....	3 (2,3)
Psych 301 Gen. Psychology.....	3 (3,0)	Gov 301 Am. G. & Pol. Par.....	3 (3,0)
M S 401 Military Drill.....	0 (0,3)	M S 402 Military Drill.....	0 (0,3)
Approved Electives .....	6	Approved Electives .....	6

#### Suggested Electives:

Ag Ec 459 Rural Com. Org.....	3 (3,0)
Gov 43 Internat. Relat.....	2 (2,0)
M S M. S. & T.—Adv.....	3 (4,0)
Soc 301 Intro. Sociology.....	3 (3,0)

#### Suggested Electives:

Econ 302 Money and Banking.....	3 (3,0)
M S M. S. & T.—Adv.....	3 (4,0)
Soc 402 The Family.....	3 (3,0)

## AGRONOMY

Agronomy graduates have opportunities in general farming, soil conservation service, agricultural extension and experiment station work, and may also be found as plant breeders, soil analysts, and crop specialists. Other positions include work with commercial concerns such as fertilizer companies, seedsmen, and manufacturers of certain food products.

## AGRONOMY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

### JUNIOR YEAR

Ag En 301 Soil Conservation.....	3 (2,3)	Agron 302 Genetics.....	3 (2,3)
Agron 301 Fertilizers.....	3 (3,0)	Agron 306 Forage Crops.....	3 (3,0)
Bact 301 Gen. Bacteriology.....	3 (3,0)	Bot 352 Plant Physiology.....	3 (3,0)
Bact 303 Gen. Bact. Lab.....	1 (0,3)	Bot 354 Plant Physiol. Lab.....	1 (0,3)
Engl 301 Public Speaking.....	3 (3,0)	P H 301 Farm Poultry.....	3 (3,0)
M S 301 Military Drill.....	0 (0,3)	P H 303 Farm Poul. Lab.....	1 (0,3)
Approved Electives .....	6	M S 302 Military Drill.....	0 (0,3)
		Approved Elective .....	3

#### Suggested Electives:

Ag Ec 301 Rural Sociology.....	3 (3,0)
Ent 301 Elem. & Econ. Ent.....	3 (2,3)
M S M. S. & T.—Adv.....	3 (4,0)

#### Suggested Electives:

Ag Ec 302 Farm Management.....	4 (3,3)
For 304 Farm Forestry.....	2 (2,0)
For 306 Farm For. Lab.....	1 (0,3)
M S M. S. & T.—Adv.....	3 (4,0)

## SENIOR YEAR

Agron 401 Adv. Crop Lab.-----	1 (0,3)	Agron 452 Soil Management.-----	2 (2,0)
Agron 405 Plant Breeding.-----	3 (2,3)	Agron 454 Adv. Soil Lab.-----	1 (0,3)
Agron 409 Cotton & Tobacco.-----	3 (3,0)	Agron 456 Seminar.-----	1 (1,0)
Agron 451 Min. Nutr. Crops.-----	2 (2,0)	Agron 458 Res. and Thesis.-----	1 (0,3)
Agron 455 Seminar.-----	1 (1,0)	A H 301 Feeds and Feeding.-----	3 (3,0)
Agron 457 Res. and Thesis.-----	1 (0,3)	Bact 410 Soil Microbiology.-----	2 (2,0)
Bot 401 Plant Pathology.-----	2 (2,0)	Bact 412 Soil Micro. Lab.-----	1 (0,3)
Bot 403 Plant Path. Lab.-----	1 (0,3)	Gov 301 Am. G. & Pol. Par.-----	3 (3,0)
Psych 301 Gen. Psychology.-----	3 (3,0)	M S 402 Military Drill.-----	0 (0,3)
M S 401 Military Drill.-----	0 (0,3)	Approved Electives.-----	6
Approved Elective.-----	3		

20

Suggested Electives:	
Ag Ec 309 Marketing.-----	3 (2,3)
Ag Ec 401 Statistics.-----	3 (2,3)
M S M. S. & T.—Adv.-----	3 (4,0)

20

Suggested Electives:	
Ag Ec 460 Agric. Finance.-----	3 (3,0)
Bot 356 Taxonomy.-----	1 (1,0)
Bot 358 Taxonomy Lab.-----	2 (0,6)
Bot 402 Economic Botany.-----	2 (2,0)
Bot 404 Econ. Bot. Lab.-----	1 (0,3)
M S M. S. & T.—Adv.-----	3 (4,0)

## ANIMAL HUSBANDRY

Occupations for Animal Husbandry graduates include live-stock farming, cattle and swine breeding, extension livestock specialists, feed specialists, county agents, agricultural teachers, research work in animal industry, positions with meat packing companies, feed dealers, freezer locker operators, livestock dealers, and livestock commission brokers.

## ANIMAL HUSBANDRY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

## JUNIOR YEAR

Agron 301 Fertilizers.-----	3 (3,0)	Ag Ec 302 Farm Management.-----	4 (3,3)
A H 301 Feeds and Feeding.-----	3 (3,0)	Agron 306 Forage Crops.-----	3 (3,0)
A H 303 Feeding Lab.-----	1 (0,3)	A H 306 Judging.-----	1 (0,3)
Dairy 301 Genetics.-----	3 (2,3)	A H 310 Pork Production.-----	2 (2,0)
Engl 301 Public Speaking.-----	3 (3,0)	A H 312 Brds. of Livestock.-----	2 (2,0)
M S 301 Military Drill.-----	0 (0,3)	A H 314 Pork Prod. Lab.-----	1 (0,3)
Approved Electives.-----	6	Gov 301 Am. G. & Pol. Par.-----	3 (3,0)
		M S 302 Military Drill.-----	0 (0,3)
		Approved Elective.-----	3

19

Suggested Electives:	
Ag Ec 301 Rural Sociology.-----	3 (3,0)
Ent 301 Elem. & Econ. Ent.-----	3 (2,3)
M S M. S. & T.—Adv.-----	3 (4,0)

19

Suggested Electives:	
Ag Ec 460 Agric. Finance.-----	3 (3,0)
Ag En 301 Soil Conservation.-----	3 (2,3)
M S M. S. & T.—Adv.-----	3 (4,0)

## SENIOR YEAR

A H 401 Beef Production.-----	2 (2,0)	A H 402 Horse & Sheep Pr.-----	3 (3,0)
A H 403 Beef Prod. Lab.-----	1 (0,3)	A H 404 H. & Sh. Prod. Lab.-----	1 (0,3)
A H 451 Advanced Feeds.-----	2 (2,0)	A H 406 Seminar.-----	2 (2,0)
A H 455 Farm Meats.-----	2 (0,6)	A H 452 Animal Breeding.-----	2 (2,0)
Bact 301 Gen. Bacteriology.-----	3 (3,0)	A H 454 Animal Breed. Lab.-----	1 (0,3)
Bact 303 Gen. Bact. Lab.-----	1 (0,3)	A H 456 Advanced Meats.-----	1 (1,0)
Psych 301 Gen. Psychology.-----	3 (3,0)	A H 458 Adv. Meats Lab.-----	1 (0,3)
M S 401 Military Drill.-----	0 (0,3)	P H 301 Farm Poultry.-----	3 (3,0)
Approved Electives.-----	6	P H 303 Farm Poul. Lab.-----	1 (0,3)
		M S 402 Military Drill.-----	0 (0,3)
		Approved Elective.-----	3

20

Suggested Electives:	
Ag Ec 309 Marketing.-----	3 (2,3)
A H 405 Advanced Judging.-----	1 (0,3)
M S M. S. & T.—Adv.-----	3 (4,0)
V S 401 Anat. & Physiology.-----	3 (2,3)

18

Suggested Electives:	
Hort 464 Food Preservation.-----	3 (2,3)
M S M. S. & T.—Adv.-----	3 (4,0)
V S 402 Animal Diseases.-----	3 (2,3)

## BOTANY

Opportunities in Botany include research work with the state and federal agencies as well as with private agencies such as manufacturers of foods and fibers, agricultural chemicals, fertilizers, weed control chemicals, and seedsmen. Occupations in the agricultural extension work, teaching of biological sciences, curators of herbaria, industrial sales and demonstration representatives for companies manufacturing fungicides and herbicides are also available. Plant pathologists also have opportunities in nursery, orchard and food inspection as well as pathologist-plant breeders with seed companies and other research agencies.

## BOTANY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

## JUNIOR YEAR

Bact 301 Gen. Bacteriology.....	3 (3,0)	Agron 302 Genetics .....	3 (2,3)
Bact 303 Gen. Bact. Lab.....	1 (0,3)	Bot 352 Plant Physiology.....	3 (3,0)
Bot 351 Plant Morphology.....	2 (2,0)	Bot 354 Plant Physiol. Lab.....	1 (0,3)
Bot 353 Plant Morph. Lab.....	2 (0,6)	Bot 356 Taxonomy.....	1 (1,0)
Bot 355 Histology.....	2 (0,6)	Bot 358 Taxonomy Lab.....	2 (0,6)
Engl 301 Public Speaking.....	3 (3,0)	Ger 102 Beginner's German.....	3 (3,0)
Ger 101 Beginner's German.....	3 (3,0)	Gov 301 Am. G. & Pol. Par.....	3 (3,0)
M S 301 Military Drill.....	0 (0,3)	M S 302 Military Drill.....	0 (0,3)
Approved Elective .....	3	Approved Elective .....	3

19

Suggested Electives:	
Engl 32 Business Law.....	2 (2,0)
Hort 301 Prin. Veg. Prod.....	3 (2,3)
M S M. S. & T.—Adv.....	3 (4,0)

19

Suggested Electives:	
Ent 302 General Entomology .....	3 (2,3)
For 304 Farm Forestry.....	2 (2,0)
For 306 Farm For. Lab.....	1 (0,3)
M S M. S. & T.—Adv.....	3 (4,0)

## SENIOR YEAR

Bot 401 Plant Pathology.....	2 (2,0)	Bot 402 Economic Botany.....	2 (2,0)
Bot 403 Plant Path. Lab.....	1 (0,3)	Bot 404 Econ. Bot. Lab.....	1 (0,3)
Bot 405 Seminar & Thesis .....	2 (1,3)	Bot 406 Seminar & Thesis .....	2 (1,3)
Bot 451 Morph. of Fungi.....	2 (2,0)	Bot 452 Ecology.....	2 (2,0)
Bot 453 Morph. Fungi Lab.....	1 (0,3)	Bot 454 Ecology Lab.....	2 (0,6)
Ent 301 Elem. & Econ. Ent.....	3 (2,3)	P H 301 Farm Poultry.....	3 (3,0)
Psych 301 Gen. Psychology.....	3 (3,0)	P H 303 Farm Poul. Lab.....	1 (0,3)
M S 401 Military Drill.....	0 (0,3)	M S 402 Military Drill.....	0 (0,3)
Approved Electives .....	6	Approved Electives .....	5

20

Suggested Electives:	
Ag Ec 401 Statistics.....	3 (2,3)
Agron 405 Plant Breeding.....	3 (2,3)
Agron 451 Min. Nutr. Crops.....	2 (2,0)
M S M. S. & T.—Adv.....	3 (4,0)

18

Suggested Electives:	
Agron 452 Soil Management .....	2 (2,0)
Agron 454 Adv. Soil Lab.....	1 (0,3)
Bact 410 Soil Microbiology.....	2 (2,0)
Bact 412 Soil Micro. Lab.....	1 (0,3)
Hort 456 Truck Crops .....	3 (2,3)
M S M. S. & T.—Adv.....	3 (4,0)

## DAIRYING

Opportunities in Dairying include dairy farming, dairy plant management, dairy herdsmen for large breeding companies, ice cream manufacturing, laboratory and technical work in dairy plants, milk inspection work, dairy extension specialist, research work with state, federal and commercial organizations, as well as

many positions with milk products laboratories and production plants.

## DAIRY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

### JUNIOR YEAR

Bact 301 Gen. Bacteriology.....	3 (3,0)	A H 301 Feeds and Feeding .....	3 (3,0)
Bact 303 Gen. Bact. Lab.....	1 (0,3)	Dairy 302 Dairy Technology .....	3 (2,3)
Dairy 301 Genetics .....	3 (2,3)	*Dairy 306 Market Milk .....	3 (3,0)
Dairy 305 Judging .....	1 (0,3)	Engl 301 Public Speaking .....	3 (3,0)
Dairy 309 Animal Nutrition.....	3 (3,0)	P H 301 Farm Poultry.....	3 (3,0)
V S 401 Anat. & Physiology .....	3 (2,3)	P H 303 Farm Poul. Lab.....	1 (0,3)
M S 301 Military Drill.....	0 (0,3)	M S 302 Military Drill.....	0 (0,3)
Approved Electives .....	5	Approved Elective .....	3
	<hr/> 19		<hr/> 19
Suggested Electives:		Suggested Electives:	
Ag Ec 401 Statistics .....	3 (2,3)	A H 310 Pork Production.....	2 (2,0)
Ent 301 Elem. & Econ. Ent. ....	3 (2,3)	A H 314 Pork Prod. Lab.....	1 (0,3)
M S M. S. & T.—Adv.....	3 (4,0)	*Dairy 352 Advertsg. & Mktg. ....	3 (3,0)
		Dairy 354 Endocrinology.....	3 (3,0)
		M S M. S. & T.—Adv.....	3 (4,0)

### SENIOR YEAR

Agron 301 Fertilizers .....	3 (3,0)	Bact 402 Dairy Bacteriology.....	2 (2,0)
Dairy 401 Dairy Manufactures ..	3 (2,3)	Bact 404 Dairy Bact. Lab.....	1 (0,3)
Dairy 405 Breeding .....	3 (2,3)	Dairy 402 Dairy Manufactures ..	4 (2,6)
Dairy 409 Seminar .....	2 (2,0)	Dairy 410 Seminar .....	2 (2,0)
Psych 301 Gen. Psychology .....	3 (3,0)	Dairy 452 Feeding & Mgt. ....	3 (2,3)
M S 401 Military Drill.....	0 (0,3)	Gov 301 Am. G. & Pol. Par. ....	3 (3,0)
Approved Electives .....	6	M S 402 Military Drill.....	0 (0,3)
	<hr/> 20	Approved Elective .....	3
Suggested Electives:			<hr/> 18
Engl 32 Business Law.....	2 (2,0)	Suggested Electives:	
Engl 305 Expository Writing .....	3 (3,0)	Ag Ec 460 Agric. Finance .....	3 (3,0)
M S M. S. & T.—Adv.....	3 (4,0)	*Dairy 352 Advertsg. & Mktg. ....	3 (3,0)
		M S M. S. & T.—Adv.....	3 (4,0)
		V S 402 Animal Diseases .....	3 (2,3)

\* Dairy 306 and 352 are given in alternate years.

## ENTOMOLOGY

Many Entomology graduates normally enter federal service with the U. S. Bureau of Entomology and Plant Quarantine as research men or as inspectors. Others enter responsible positions in teaching, research and extension staffs of the several State Colleges and Universities. Insecticide manufacturing concerns also attract many Entomology graduates. Beekeeping is also one phase of entomological work.

## ENTOMOLOGY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

## JUNIOR YEAR

Bact 301 Gen. Bacteriology	3 (3,0)	Agron 302 Genetics	3 (2,3)
Bact 303 Gen. Bact. Lab.	1 (0,3)	Bot 352 Plant Physiology	3 (3,0)
Engl 301 Public Speaking	3 (3,0)	Bot 354 Plant Physiol. Lab.	1 (0,3)
Ent 301 Elem. & Econ. Ent.	3 (2,3)	Ent 302 General Entomology	3 (2,3)
Ger 101 Beginner's German	3 (3,0)	P H 301 Farm Poultry	3 (3,0)
Zool 301 Advanced Zoology	3 (2,3)	P H 303 Farm Poul. Lab.	1 (0,3)
M S 301 Military Drill	0 (0,3)	Zool 306 Game Management	2 (2,0)
Approved Elective	3	M S 302 Military Drill	0 (0,3)
		Approved Elective	3

19

## Suggested Electives:

Ag Ec 301 Rural Sociology	3 (3,0)
Hort 305 Plant Propagation	3 (2,3)
M S M. S. & T.—Adv.	3 (4,0)

19

## Suggested Electives:

For 304 Farm Forestry	2 (2,0)
For 306 Farm For. Lab.	1 (0,3)
Ger 102 Beginner's German	3 (3,0)
M S M. S. & T.—Adv.	3 (4,0)
Zool 302 Embryology	3 (2,3)

## SENIOR YEAR

Bot 401 Plant Pathology	2 (2,0)	Ent 402 Econ. Entomology	3 (2,3)
Bot 403 Plant Path. Lab.	1 (0,3)	Ent 406 Beekeeping	3 (2,3)
Ent 401 Econ. Entomology	3 (2,3)	Ent 452 Taxonomic Ent.	2 (1,3)
Ent 405 Insect Morphology	3 (2,3)	Ent 456 Parasitology	3 (2,3)
Ent 451 Intro. to Research	2 (1,3)	Ent 460 Seminar	2 (2,0)
Psych 301 Gen. Psychology	3 (3,0)	Gov 301 Am. G. & Pol. Par.	3 (3,0)
M S 401 Military Drill	0 (0,3)	M S 402 Military Drill	0 (0,3)
Approved Electives	6	Approved Elective	2

20

## Suggested Electives:

Ag Ec 401 Statistics	3 (2,3)
Bot 451 Morph. of Fungi	2 (2,0)
Bot 453 Morph. Fungi Lab.	1 (0,3)
M S M. S. & T.—Adv.	3 (4,0)
Soc 301 Intro. Sociology	3 (3,0)

18

## Suggested Electives:

Bot 356 Taxonomy	1 (1,0)
Bot 358 Taxonomy Lab.	2 (0,6)
Engl 32 Business Law	2 (2,0)
M S M. S. & T.—Adv.	3 (4,0)

## HORTICULTURE

Opportunities in Horticulture include vegetable and fruit farm management, nursery management, landscape gardening, fresh fruit and vegetable and food products inspection, plant breeding, agricultural extension service, experiment station research, and food canning, freezing and dehydration. Other occupations include work with florists, seedsmen, fruit products companies, fertilizer companies, fungicide and insecticide manufacturers and dealers, and spraying and dusting equipment manufacturers and dealers.

## HORTICULTURE MAJOR

For additional requirements see *Basic Agricultural Curriculum*

## JUNIOR YEAR

Agron 301 Fertilizers	3 (3,0)	Agron 302 Genetics	3 (2,3)
Bact 301 Gen. Bacteriology	3 (3,0)	Bot 352 Plant Physiology	3 (3,0)
Bact 303 Gen. Bact. Lab.	1 (0,3)	Bot 354 Plant Physiol. Lab.	1 (0,3)
Ent 301 Elem. & Econ. Ent.	3 (2,3)	Engl 301 Public Speaking	3 (3,0)
Hort 301 Prin. Veg. Prod.	3 (2,3)	Gov 301 Am. G. & Pol. Par.	3 (3,0)
Hort 305 Plant Propagation	3 (2,3)	Hort 306 Landscape Design	2 (2,0)
M S 301 Military Drill	0 (0,3)	Hort 308 Land. Des. Lab.	1 (0,3)
Approved Elective	3	M S 302 Military Drill	0 (0,3)
		Approved Elective	3

19

## Suggested Electives:

Ag Ec 301 Rural Sociology	3 (3,0)
M S M. S. & T.—Adv.	3 (4,0)

19

## Suggested Electives:

Ag Ec 302 Farm Management	4 (3,3)
Bot 356 Taxonomy	1 (1,0)
Bot 358 Taxonomy Lab.	2 (0,6)
M S M. S. & T.—Adv.	3 (4,0)

## SENIOR YEAR

Ag Ec 309 Marketing -----	3 (2,3)	Hort 410 Seminar -----	1 (1,0)
Bot 401 Plant Pathology -----	2 (2,0)	Hort 452 Commrc'l. Pomology ---	3 (2,3)
Bot 403 Plant Path. Lab. -----	1 (0,3)	or Hort 402 Garden Design. ---	2 (2,0)
Hort 409 Seminar -----	1 (1,0)	Hort 404 Garden Des. Lab. -----	1 (0,3)
Hort 451 Syst. Pomology -----	3 (2,3)	Hort 456 Truck Crops -----	3 (2,3)
Hort 455 Breeding H. Crops -----	3 (2,3)	or Hort 460 Landscape Dsgn. ---	3 (2,3)
or Hort 405 Nut Culture -----	3 (2,3)	Hort 464 Food Preservation -----	3 (2,3)
Psych 301 Gen. Psychology -----	3 (3,0)	P H 301 Farm Poultry -----	3 (3,0)
M S 401 Military Drill -----	0 (0,3)	P H 303 Farm Poul. Lab. -----	1 (0,3)
Approved Elective -----	2	M S 402 Military Drill -----	0 (0,3)
	18	Approved Electives -----	6
Suggested Electives:		Suggested Electives:	20
Hort 401 Landscape Design -----	2 (2,0)	Ag En 301 Soil Conservation ---	3 (2,3)
Hort 403 Landsc. Des. Lab. -----	1 (0,3)	Ent 406 Beekeeping -----	3 (2,3)
Hort 415 Floriculture -----	3 (2,3)	M S M. S. & T.—Adv. -----	3 (4,0)
M S M. S. & T.—Adv. -----	3 (4,0)		

## POULTRY

Graduates in Poultry Husbandry major have opportunities as poultry farm operators, hatchery managers, sales and service-men with feed manufacturers and poultry equipment concerns, poultry research workers and extension agents.

## POULTRY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

## JUNIOR YEAR

Ag Ec 301 Rural Sociology -----	3 (3,0)	Ag Ec 302 Farm Management ---	4 (3,3)
A H 301 Feeds and Feeding -----	3 (3,0)	Bact 301 Gen. Bacteriology -----	3 (3,0)
A H 303 Feeding Lab. -----	1 (0,3)	Bact 303 Gen. Bact. Lab. -----	1 (0,3)
Dairy 301 Genetics -----	3 (2,3)	Engl 301 Public Speaking -----	3 (3,0)
V S 401 Anat. & Physiology -----	3 (2,3)	P H 301 Farm Poultry -----	3 (3,0)
M S 301 Military Drill -----	0 (0,3)	P H 303 Farm Poul. Lab. -----	1 (0,3)
Approved Electives -----	6	M S 302 Military Drill -----	0 (0,3)
	19	Approved Elective -----	3
Suggested Electives:		Suggested Electives:	18
Ent 301 Elem. & Econ. Ent. -----	3 (2,3)	Agron 306 Forage Crops -----	3 (3,0)
M S M. S. & T.—Adv. -----	3 (4,0)	M S M. S. & T.—Adv. -----	3 (4,0)
Zool 301 Advanced Zoology -----	3 (2,3)	Zool 302 Embryology -----	3 (2,3)
		Zool 306 Game Management -----	2 (2,0)

## SENIOR YEAR

P H 451 Poultry Breeding -----	3 (2,3)	Gov 301 Am. G. & Pol. Par. -----	3 (3,0)
P H 455 Grading & Process. -----	3 (2,3)	Hort 464 Food Preservation -----	3 (2,3)
P H 459 Dis. & Parasites -----	3 (2,3)	P H 452 Feed. & Flock Mgt. -----	3 (2,3)
Psych 301 Gen. Psychology -----	3 (3,0)	P H 456 Incubat. & Brood. -----	3 (2,3)
M S 401 Military Drill -----	0 (0,3)	P H 460 Seminar -----	2 (2,0)
Approved Electives -----	7	M S 402 Military Drill -----	0 (0,3)
	19	Approved Electives -----	6
Suggested Electives:		Suggested Electives:	20
Ag Ec 309 Marketing -----	3 (2,3)	Ent 406 Beekeeping -----	3 (2,3)
Ag Ec 401 Statistics -----	3 (2,3)	M S M. S. & T.—Adv. -----	3 (4,0)
Dairy 309 Nutrition -----	3 (3,0)		
M S M. S. & T.—Adv. -----	3 (4,0)		

## AGRICULTURAL ENGINEERING

Opportunities in Agricultural Engineering include mechanized farming; research with state, federal, and private agencies; sales, service, advertising and design of farm equipment and materials; agricultural extension service with state and federal agencies; employment in the fields of soil conservation, land drainage and reclamation, and irrigation; rural electrification work with power companies, manufacturers of electrical equipment and the Rural Electrification Administration of the United States Department of Agriculture; and private business such as farming, operating machinery dealerships and related lines of business.

## AGRICULTURAL ENGINEERING

### FRESHMAN YEAR

#### *First Semester*

Chem 101 General Chemistry	4 (3,3)
D D 105 Engr. Drawing	2 (0,6)
Engr 101 Comp. and Lit.	3 (3,0)
In En 101 Metal Processes	2 (0,6)
Math 103 Freshman Math.	5 (5,0)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)

17

#### *Second Semester*

Chem 102 General Chemistry	4 (3,3)
C E 101 Intro. Surveying	2 (1,3)
D D 106 Engr. Drawing	2 (0,6)
Engr 102 Comp. and Lit.	3 (3,0)
Math 104 Freshman Math.	5 (5,0)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)

17

### SOPHOMORE YEAR

Ag En 203 Ag. Engr. Problems	3 (2,3)
Engr 203 Survey of Engr. Lit.	3 (3,0)
In En 202 Wood Processes	2 (0,6)
Math 203 Diff. Calculus	5 (5,0)
Phys 211 G. Phys. for Engr.	4 (4,0)
Phys 213 Gen. Phys. Lab.	1 (0,3)
M S 201 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)

19

Ag En 201 Farm Machinery	3 (2,3)
Agron 101 Farm Crops	3 (3,0)
Engr 204 Survey of Engr. Lit.	3 (3,0)
Math 204 Integral Calculus	5 (5,0)
Phys 212 G. Phys. for Engr.	4 (4,0)
Phys 214 Gen. Phys. Lab.	1 (0,3)
M S 202 Military Drill	0 (0,3)
M S 204 M. S. & T.—Basic	1 (2,0)

20

### JUNIOR YEAR

Ag En 351 Farm Tractors	3 (2,3)
Bot 101 General Botany	3 (3,0)
Bot 103 Gen. Bot. Lab.	1 (0,3)
E E 303 Elec. Circuits & Machines	4 (3,3)
Geol 201 Agric. Geology	3 (3,0)
Mech 302 Statics	3 (3,0)
M S 301 Military Drill	0 (0,3)
Approved Elective	3

20

Suggested Electives:	
Agron 301 Fertilizers	3 (3,0)
D D 305 Kinematics of Mach.	2 (1,3)
In En 205 Constr. Materials	2 (2,0)
Mech 306 Graphic Statics	1 (0,3)
M S M. S. & T.—Adv.	3 (4,0)

Ag En 304 Rur. Electrification	3 (2,3)
Agron 202 Soils	3 (2,3)
Gov 301 Am. G. & Pol. Par.	3 (3,0)
In En 201 Metal Processes	2 (0,6)
In En 302 Welding	2 (1,3)
Mech 304 Mech. of Matr.	3 (3,0)
M S 302 Military Drill	0 (0,3)
Approved Elective	3

19

Suggested Electives:	
Ag Ec 302 Farm Management	4 (3,3)
D D 306 Machine Design	2 (1,3)
In En 402 Metallurgy	3 (3,0)
Mech 305 Mech. Matr. Lab.	1 (0,3)
M S M. S. & T.—Adv.	3 (4,0)

## SENIOR YEAR

Ag En 401 Soil & Wat. Con. En. 3 (2,3)	Ag En 402 Drain. & Irrig. -----3 (2,3)
Ag En 409 Seminar-----1 (1,0)	Ag En 406 Adv. Farm Mach. ---3 (2,3)
Ag En 451 Farm Structures-----3 (2,3)	Ag En 410 Seminar-----1 (1,0)
Hist 301 U. S. since 1865-----3 (3,0)	Ag En 452 Adv. Farm Struct.---3 (2,3)
Mech 401 Fluid Mechanics-----3 (3,0)	Engl 301 Public Speaking-----3 (3,0)
Mech 403 Fluid Mech. Lab.-----1 (0,3)	Hort 464 Food Preservation-----3 (2,3)
M S 401 Military Drill-----0 (0,3)	M S 402 Military Drill-----0 (0,3)
Approved Electives -----6	Approved Elective -----2
20	18
Suggested Electives:	Suggested Electives:
Ag Ec 401 Statistics -----3 (2,3)	Bact 406 Sanitary Bact.-----3 (3,0)
M S M. S. & T.—Adv.-----3 (4,0)	Bact 408 San. Bact. Lab.-----1 (0,3)
	Hort 452 Commrc'l. Pomology ---3 (2,3)
	M S M. S. & T.—Adv.-----3 (4,0)

## FORESTRY

Students completing the two-year Pre-Forestry program at Clemson are qualified to transfer to any of the major forestry institutions in the country. Opportunities exist for work on national forests, state forests, and large private timber lands in technical administrative capacity. Men with training in forest products are also in demand in pulp and paper mills and laboratories and in the mills and developmental laboratories of the larger lumber, plywood and furniture companies in this region and throughout the country.

## PRE-FORESTRY

## FRESHMAN YEAR

<i>First Semester</i>	<i>Second Semester</i>
Bot 101 General Botany-----3 (3,0)	Chem 102 General Chemistry ---4 (3,3)
Bot 103 Gen. Bot. Lab.-----1 (0,3)	C E 101 Intro. Surveying -----2 (1,3)
Chem 101 General Chemistry ---4 (3,3)	D D 106 Engr. Drawing -----2 (0,6)
D D 105 Engr. Drawing -----2 (0,6)	Engl 102 Comp. and Lit. -----3 (3,0)
Engl 101 Comp. and Lit. -----3 (3,0)	Math 102 Trigonometry -----3 (3,0)
Math 101 College Algebra -----3 (3,0)	Zool 101 General Zoology-----3 (3,0)
M S 101 Military Drill-----0 (0,3)	Zool 103 Gen. Zool. Lab.-----1 (0,3)
M S 103 M. S. & T.—Basic-----1 (2,0)	M S 102 Military Drill-----0 (0,3)
	M S 104 M. S. & T.—Basic-----1 (2,0)
17	19

## SOPHOMORE YEAR

C E 201 Surveying-----2 (2,0)	C E 202 Surveying -----2 (2,0)
C E 203 Topog. Survey. & Map.---1 (0,3)	Econ 201 Prin. of Economics ---3 (3,0)
Engl 203 Survey of Engl. Lit.---3 (3,0)	Engl 204 Survey of Engl. Lit.---3 (3,0)
For 201 General Forestry-----2 (2,0)	For 202 Dendrology -----3 (3,0)
For 203 Gen. For. Lab.-----1 (0,3)	For 204 Dendrology Lab.-----1 (0,3)
Geol 201 Agric. Geology -----3 (3,0)	Phys 202 General Physics -----3 (3,0)
Phys 201 General Physics -----3 (3,0)	Phys 204 Gen. Phys. Lab.-----1 (0,3)
Phys 203 Gen. Phys. Lab.-----1 (0,3)	M S 202 Military Drill-----0 (0,3)
M S 201 Military Drill-----0 (0,3)	M S 204 M. S. & T.—Basic-----1 (2,0)
M S 203 M. S. & T.—Basic-----1 (2,0)	
17	17

## SCHOOL OF ARTS AND SCIENCES

In addition to acting as a service school to all other schools of the College in furnishing the training in the humanities and the social and physical sciences which is essential to the general education of students, the School of Arts and Sciences offers three curricula:

1. The curriculum in Arts and Sciences, leading to the degree of Bachelor of Science in Arts and Sciences.
2. The curriculum in Pre-Medicine, leading to the degree of Bachelor of Science in Pre-Medicine.
3. The curriculum in Industrial Physics, leading to the degree of Bachelor of Science in Industrial Physics.

Students majoring in the School of Arts and Sciences should secure from the Dean of the School of Arts and Sciences the *Handbook for Students Majoring in the School of Arts and Sciences*, the purpose of which is to provide information to students about possible fields of study, guidance in choosing an appropriate field of concentration, a list of approved electives, and additional information about the requirements for graduation in this school.

## ARTS AND SCIENCES

The curriculum in Arts and Sciences is planned to meet the needs of those students who desire a broad, general education as a preparation for intelligent citizenship and for vocational efficiency. The first two years are spent in introductory work in various fields, in order to give the student breadth of view and to enable him to take a more intelligent part in his own education. During the last two years the student concentrates in selected fields.

## ARTS AND SCIENCES

## FRESHMAN YEAR

*First Semester*

Chem 101 General Chemistry	4 (3,3)
Engl 101 Comp. and Lit.	3 (3,0)
Hist 101 American History	3 (3,0)
Math 103 Freshman Math.	5 (5,0)
Modern Language	3 (3,0)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)

19

*Second Semester*

Chem 102 General Chemistry	4 (3,3)
Engl 102 Comp. and Lit.	3 (3,0)
Hist 102 American History	3 (3,0)
Math 104 Freshman Math.	5 (5,0)
Modern Language	3 (3,0)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)

19

## SOPHOMORE YEAR

*Bot 101 General Botany.....	3 (3,0)	Engl 204 Survey of Engl. Lit.....	3 (3,0)
*Bot 103 Gen. Bot. Lab.....	1 (0,3)	*Math 204 Integral Calculus.....	5 (5,0)
Engl 203 Survey of Engl. Lit.....	3 (3,0)	Modern Language .....	3 (3,0)
*Math 203 Diff. Calculus.....	5 (5,0)	Phys 202 General Physics.....	3 (3,0)
Modern Language .....	3 (3,0)	Phys 204 Gen. Phys. Lab.....	1 (0,3)
Phys 201 General Physics.....	3 (3,0)	*Zool 101 General Zoology.....	3 (3,0)
Phys 203 Gen. Phys. Lab.....	1 (0,3)	*Zool 103 Gen. Zool. Lab.....	1 (0,3)
M S 201 Military Drill.....	0 (0,3)	M S 202 Military Drill.....	0 (0,3)
M S 203 M. S. & T.—Basic.....	1 (2,0)	M S 204 M. S. & T.—Basic.....	1 (2,0)
Approved Electives .....	1 - 2	Approved Electives .....	1 - 2
	17		17

\*Students who elect Chemistry, Mathematics, or Physics for one of their fields of concentration shall take Mathematics 203 and 204 and may elect Physics 211, 213 and 212, 214 instead of Physics 201, 203 and 202, 204 during their sophomore year, postponing until their junior year Botany and Zoology, which are required for graduation.

## JUNIOR YEAR

Engl 301 Public Speaking.....	3 (3,0)	M S 302 Military Drill.....	0 (0,3)
M S 301 Military Drill.....	0 (0,3)	Approved Electives .....	20
Approved Electives .....	17		
	20		20

## SENIOR YEAR

M S 401 Military Drill.....	0 (0,3)	M S 402 Military Drill.....	0 (0,3)
Approved Electives .....	19	Approved Electives .....	19
	19		19

## SUPPLEMENTARY REQUIREMENTS

(1) Before the registration date beginning his Junior year, the student shall select two of the fields of study in the curriculum in Arts and Sciences as fields of concentration. These may be selected from Economics and Sociology, English, Government and History, Mathematics, Physics, Modern Languages, Biological Sciences, and Chemistry.

(2) A minimum of twenty-four hours shall be taken in the primary field of concentration and fifteen hours in the secondary field. This work shall be on the Junior-Senior level except that Mathematics 203 and 204 may be used as part fulfillment of this requirement by a student whose field of concentration is Mathematics.

(3) Besides the courses in the primary and secondary fields of concentration, a minimum of 12 additional approved elective hours shall be taken in courses of Junior-Senior level.

(4) The remainder of the elective work may be taken from the list of approved electives.

(5) Students majoring in Arts and Sciences who desire to teach in the public schools may fulfill the requirements for the secondary field of concentration by taking the eighteen hours of Education required by the State Board of Education.

(6) For graduation in Arts and Sciences at least the second year of one foreign language must be completed in college.

(7) The total number of hours required for graduation is 138 hours *plus* the advanced ROTC program *or* 12 hours of approved electives.

For lists of subjects in fields of concentration, for list of approved electives, and for further information the student should consult the *Handbook for Students Majoring in the School of Arts and Sciences*.

## INDUSTRIAL PHYSICS

The curriculum in Industrial Physics is intended to give a thorough knowledge of the fundamental principles of physics to students who plan to enter industrial laboratories. This course combines sound theoretical training and extensive laboratory practices in the various branches of physics with considerable work in one related field such as Chemistry or Electrical Engineering. The student is encouraged to take at least two advanced mathematics courses and other technical courses may be taken as electives if desired. On completing this curriculum the student should be prepared to enter research in an industrial or government laboratory.

The freshman year of this curriculum is practically identical with that for engineering students and the sophomore year is also

quite similar; therefore a student may postpone deciding which course to take until his junior year. For further information about this curriculum consult the *Handbook for Students Majoring in the School of Arts and Sciences*.

## INDUSTRIAL PHYSICS

### FRESHMAN YEAR

#### First Semester

Chem 101 General Chemistry	4 (3,3)
D D 105 Engr. Drawing	2 (0,6)
Engl 101 Comp. and Lit.	3 (3,0)
In En 101 Metal Processes	2 (0,6)
Math 103 Freshman Math.	5 (5,0)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)

---

 17

#### Second Semester

Chem 102 General Chemistry	4 (3,3)
C E 101 Intro. Surveying	2 (1,3)
or Gov 101 Amer. Nat'l. Gov't.	3 (3,0)
D D 106 Engr. Drawing	2 (0,6)
Engl 102 Comp. and Lit.	3 (3,0)
Math 104 Freshman Math.	5 (5,0)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)

---

 17 or 18

### SOPHOMORE YEAR

In En 201 Metal Processes	2 (0,6)
or Chem 215 Qual. Analysis	4 (2,6)
Engl 203 Survey of Engl. Lit.	3 (3,0)
Math 203 Diff. Calculus	5 (5,0)
Phys 211 G. Phys. for Engr.	4 (4,0)
Phys 213 Gen. Phys. Lab.	1 (0,3)
or Phys 201 General Physics	3 (3,0)
Phys 203 Gen. Phys. Lab.	1 (0,3)
M S 201 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)
Approved Electives	0 - 3

---

 18

Approved Electives	4
or Chem 216 Quan. Analysis	4 (2,6)
Engl 204 Survey of Engl. Lit.	3 (3,0)
Math 204 Integral Calculus	5 (5,0)
Phys 212 G. Phys. for Engr.	4 (4,0)
Phys 214 Gen. Phys. Lab.	1 (0,3)
or Phys 202 General Physics	3 (3,0)
Phys 204 Gen. Phys. Lab.	1 (0,3)
M S 202 Military Drill	0 (0,3)
M S 204 M. S. & T.—Basic	1 (2,0)

---

 18 or 17

### JUNIOR YEAR

E E 307 D. C. Circ. & Mach.	4 (3,3)
or Chem 221 Elem. Org. Chem.	5 (3,6)
Hist 301 U. S. since 1865	3 (3,0)
Phys 301 Int. to Mod. Phys.	3 (3,0)
Phys 303 Exp. in Mod. Phys.	1 (0,3)
Phys 321 Mech. & Prop. Mat.	3 (3,0)
Phys 323 Experimental Mech.	2 (0,6)
M S 301 Military Drill	0 (0,3)
Approved Electives	3 - 4

---

 20

E E 308 A. C. Circ. & Mach.	4 (3,3)
or Chem 222 Elem. Org. Chem.	5 (3,6)
Engl 301 Public Speaking	3 (3,0)
Phys 304 Descript. Astronomy	3 (3,0)
or Phys 308 Sound & Acoustics	3 (3,0)
Phys 312 Heat & Kinetic Th.	3 (3,0)
Phys 314 Experimental Heat	2 (0,6)
M S 302 Military Drill	0 (0,3)
Approved Electives	4 - 5

---

 20

### SENIOR YEAR

E E 320 Electronics	4 (3,3)
or Chem 331 & 333 Phys. Chem	5 (3,6)
Phys 341 Magnetism & Elec.	3 (3,0)
Phys 343 Experimental Elec.	2 (0,6)
M S 401 Military Drill	0 (0,3)
Approved Electives	10 - 11

---

 20

E E (as approved)	4
or Chem 332 & 334 Phys. Chem.	5 (3,6)
Phys 332 Light	3 (3,0)
Phys 334 Experimental Light	2 (0,6)
Phys 452 Atom. & Nucl. Phys.	3 (3,0)
Approved Electives	7 - 8

---

 20

## PRE-MEDICINE

The curriculum in Pre-Medicine is designed to meet the general entrance requirements of standard medical colleges. Since, however, requirements for entrance to various medical schools are not uniform, the student before choosing his electives should consult the specific requirements of the medical college of his preference.

Those preparing for the study of medicine are advised to complete four years of undergraduate work before entering a medical school. Clemson College, however, will award the degree of Bachelor of Science in Pre-Medicine to a student who, after completing all requirements of the first three years of the Pre-Medical course, is graduated from a medical college approved by the American Medical Association. Requirements of the first three years would be three-fourths of the number of hours required for graduation, including required courses for the first three years.

The total number of hours required for graduation is 138 hours *plus* the advanced ROTC program *or* 12 hours of approved electives.

## PRE-MEDICINE

## FRESHMAN YEAR

*First Semester*

Chem 103 General Chemistry.....	4 (3,3)
Engl 101 Comp. and Lit. ....	3 (3,0)
Fr 101 Beginner's French .....	3 (3,0)
or Ger 101 Beginner's Ger. ....	3 (3,0)
Hist 101 American History .....	3 (3,0)
Math 103 Freshman Math. ....	5 (5,0)
M S 101 Military Drill.....	0 (0,3)
M S 103 M. S. & T.—Basic.....	1 (2,0)

19

*Second Semester*

Chem 104 General Chemistry.....	4 (3,3)
Engl 102 Comp. and Lit. ....	3 (3,0)
Fr 102 Beginner's French .....	3 (3,0)
or Ger 102 Beginner's Ger. ....	3 (3,0)
Hist 102 American History .....	3 (3,0)
Math 104 Freshman Math. ....	5 (5,0)
M S 102 Military Drill.....	0 (0,3)
M S 104 M. S. & T.—Basic.....	1 (2,0)

19

## SOPHOMORE YEAR

Chem 211 Qual. Analysis .....	3 (1,6)
D D 101 Freehand Drawing .....	1 (0,3)
Engl 203 Survey of Engl. Lit.....	3 (3,0)
Fr 201 Intermediate French.....	3 (3,0)
or Ger 201 Intermediate Ger.....	3 (3,0)
Phys 201 General Physics .....	3 (3,0)
Phys 203 Gen. Phys. Lab. ....	1 (0,3)
Zool 101 General Zoology.....	3 (3,0)
Zool 103 Gen. Zool. Lab. ....	1 (0,3)
M S 201 Military Drill.....	0 (0,3)
M S 203 M. S. & T.—Basic.....	1 (2,0)

19

Bot 101 General Botany.....	3 (3,0)
Bot 103 Gen. Bot. Lab.....	1 (0,3)
Chem 212 Quan. Analysis .....	3 (1,6)
Engl 204 Survey of Engl. Lit.....	3 (3,0)
Fr 202 Intermediate French.....	3 (3,0)
or Ger 202 Intermediate Ger.....	3 (3,0)
Phys 202 General Physics .....	3 (3,0)
Phys 204 Gen. Phys. Lab. ....	1 (0,3)
M S 202 Military Drill.....	0 (0,3)
M S 204 M. S. & T.—Basic.....	1 (2,0)

18

## JUNIOR YEAR

Chem 221 Elem. Org. Chem.-----	5 (3,6)	Chem 222 Elem. Org. Chem.-----	5 (3,6)
Econ 201 Prin. of Economics ----	3 (3,0)	Econ 202 Prin. of Economics ----	3 (3,0)
Engl 301 Public Speaking ----	3 (3,0)	M S 302 Military Drill-----	0 (0,3)
M S 301 Military Drill-----	0 (0,3)	Approved Electives -----	11
Approved Electives -----	8		
	<hr/> 19		<hr/> 19

## SENIOR YEAR

Bact 301 Gen. Bacteriology-----	3 (3,0)	Hist 304 Hist. of Civ. -----	3 (3,0)
Bact 303 Gen. Bact. Lab.-----	1 (0,3)	Psych 302 Social Psychology ----	3 (3,0)
Hist 303 Hist. of Civ. -----	3 (3,0)	Soc 301 Intro. Sociology-----	3 (3,0)
Psych 301 Gen. Psychology ----	3 (3,0)	Zool 302 Embryology -----	3 (2,3)
Zool 301 Advanced Zoology ----	3 (2,3)	M S 402 Military Drill-----	0 (0,3)
M S 401 Military Drill-----	0 (0,3)	Approved Electives -----	6
Approved Electives -----	6		
	<hr/> 19		<hr/> 18

## SCHOOL OF CHEMISTRY

## CHEMISTRY

The Chemistry curriculum is designed to give the student a thorough knowledge of the fundamental principles of chemistry. The course is so arranged that each student takes approximately the same number of hours of work in each of the four fundamental branches of chemistry,—Inorganic, Analytical, Organic and Physical. Additional work may be scheduled in any of these fields in which the student is particularly interested. The number of allowable elective credits is great enough to enable the student to take work in related fields such as engineering, textile chemistry, physics, bacteriology, etc. Graduates of the Chemistry curriculum are prepared for employment in any of the chemical industries in laboratory, plant control or sales work, as well as in Government Laboratories or State Experiment Stations. Many of our graduates go to other institutions for graduate work and the number of our Chemistry graduates who have obtained graduate degrees is impressive. These men are well distributed through industry and research institutions.

## CHEMISTRY

## FRESHMAN YEAR

*First Semester*

Chem 103 General Chemistry	4 (3,3)
D D 101 Freehand Drawing	1 (0,3)
Engl 101 Comp. and Lit.	3 (3,0)
Math 103 Freshman Math.	5 (5,0)
Phys 201 General Physics	3 (3,0)
Phys 203 Gen. Phys. Lab.	1 (0,3)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)
<hr/>	
	18

*Second Semester*

Chem 104 General Chemistry	4 (3,3)
D D 102 Technical Drawing	1 (0,3)
Engl 102 Comp. and Lit.	3 (3,0)
Math 104 Freshman Math.	5 (5,0)
Phys 202 General Physics	3 (3,0)
Phys 204 Gen. Phys. Lab.	1 (0,3)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)
<hr/>	
	18

## SOPHOMORE YEAR

Chem 215 Qual. Analysis	4 (2,6)
Chem 221 Organic Chemistry	5 (3,6)
Engl 203 Survey of Engl. Lit.	3 (3,0)
Math 203 Diff. Calculus	5 (5,0)
M S 201 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)
<hr/>	
	18

Chem 216 Quan. Analysis	4 (2,6)
Chem 222 Organic Chemistry	5 (3,6)
Engl 204 Survey of Engl. Lit.	3 (3,0)
Math 204 Integral Calculus	5 (5,0)
M S 202 Military Drill	0 (0,3)
M S 204 M. S. & T.—Basic	1 (2,0)
<hr/>	
	18

## JUNIOR YEAR

Chem 321 Qual. Org. Anal.	4 (2,6)
Chem 331 Physical Chemistry	3 (3,0)
Chem 333 Physical Chem. Lab.	2 (0,6)
Ger 101 Beginner's German	3 (3,0)
M S 301 Military Drill	0 (0,3)
*Approved Electives	8
<hr/>	
	20

Chem 312 Gas & Fuel Analysis	3 (1,6)
Chem 332 Physical Chemistry	3 (3,0)
Chem 334 Physical Chem. Lab.	2 (0,6)
Ger 102 Beginner's German	3 (3,0)
M S 302 Military Drill	0 (0,3)
*Approved Electives	9
<hr/>	
	20

## SENIOR YEAR

Chem 401 Inorg. Chemistry	3 (3,0)
Chem 411 Adv. Quant. Anal.	3 (1,6)
Chem 431 Colloid Chemistry	2 (2,0)
M S 401 Military Drill	0 (0,3)
*Approved Electives	11
<hr/>	
	19

Chem 402 Inorg. Chemistry	3 (3,0)
Chem 432 Colloid Chemistry	2 (2,0)
Chem 442 Chem. Literature	2 (1,3)
M S 402 Military Drill	0 (0,3)
*Approved Electives	12
<hr/>	
	19

## \* Electives :

For the degree of B. S. in Chemistry, a student must elect at least 18 hours in History, Government, Public Speaking, Business Law, Economics, Sociology, Psychology, etc.

## Suggested Electives :

Bact 301 Gen. Bacteriology	3 (3,0)
Bact 303 Gen. Bact. Lab.	1 (0,3)
Chem 441 Glass Manipulation	2 (0,6)
Chem 443 Research Problems	3 (0,9)
Chem 481 Phase Equilibria	2 (2,0)
Ger 201 Intermediate German	3 (3,0)
Math 305 Inter. Calculus	3 (3,0)
M S M. S. & T.—Adv.	3 (4,0)
Phys 301 Intro. to Mod. Phys.	3 (3,0)
Phys 341 Magn. and Elect.	3 (3,0)
Phys 343 Exp. Electricity	2 (0,6)

## Suggested Electives :

Chem 444 Research Problems	3 (0,9)
Chem 454 Inorganic Synthesis	2 (0,6)
Chem 462 Technical Analysis	3 (1,6)
Chem 472 Organic Synthesis	4 (1,9)
Chem 482 Chem. Thermodynamics	3 (3,0)
Chem 484 Colloid Chem. Lab.	2 (0,6)
Geol 306 Mineralogy	4 (3,3)
Ger 202 Intermediate German	3 (3,0)
Math 306 Ord. Diff. Equ.	3 (3,0)
M S M. S. & T.—Adv.	3 (4,0)
Phys 452 Atom. & Nucl. Phys.	3 (3,0)

## SCHOOL OF ENGINEERING

Seven curricula are offered under the School of Engineering including Architecture, Architectural Engineering, Ceramic Engineering, Chemical Engineering, Civil Engineering, Electrical Engineering, and Mechanical Engineering. The curricula in Civil, Electrical, and Mechanical Engineering are accredited by the Engineers Council for Professional Development.

While the School of Engineering does not offer specific options or majors under each of these curricula, the training includes many phases of each respective field. Thus, a Civil Engineering student is graduated in Civil Engineering rather than hydraulic engineering, highway engineering, sanitary engineering or other such options, but the curriculum in Civil Engineering includes definite training along these lines. In the same way, the other engineering curricula include thorough training in various phases of the field of specialization without over-emphasizing one phase to the neglect of others.

All engineering consists of the application of the laws of physics, chemistry, and mathematics to the solution of specific problems. Furthermore, any engineer must be able to express his ideas both in words and in drawings. For these two reasons the first two years of all the branches of engineering here listed are substantially the same and deal largely with the fundamentals mentioned above.

An engineer in any branch should understand the methods of fabrication of machine parts and the possibilities and limitations of various methods. For this reason shop courses are included in all engineering curricula. These courses are not manual training in nature and do not deal with the acquisition of specific skills.

In all curricula, over-specialization is carefully avoided by the inclusion of subjects which involve the most direct application of the basic sciences and which serve to develop habits of orderly analysis and logical thinking.

## ARCHITECTURE AND ARCHITECTURAL ENGINEERING

The full professional courses in Architecture and Architectural Engineering as given below lead to the Bachelor of Science degree in the respective courses at the end of the fourth year, and to the Bachelor of Architecture degree at the end of the fifth year. The two courses are the same in the freshman and sophomore years. Those students interested in architectural design continue in the course in Architecture and those interested in construction pursue the course in Architectural Engineering.

The courses are broad in scope, fitting the graduate not only for the practice of architecture, but for a number of allied professions. All work is individual and every effort is made to develop the students' individuality, imagination and creative ability. Skillful draftsmanship and artistic presentation are insisted upon.

The South Carolina State Board of Architectural Examiners accepts the diploma of this Department as equivalent to two years' work in a practicing architect's office, otherwise required. The department is a member of the Association of Collegiate Schools of Architecture.

As Architecture is one of the fine arts much time is given to freehand drawing, color work, history of architecture, painting and sculpture. Architectural design and building construction are the two major subjects and greatest attention is paid to them throughout the entire course. The two courses parallel each other and insofar as feasible are integrated one with the other. In these the student is given a written program of requirements of a building or group of buildings and under the criticism of the instructor creates a design embodying his own ideas.

Fundamental courses are given in mathematics, graphic statics, strength of materials, reinforced concrete, steel, building materials and details, and in working drawings which consist of complete plans and specifications for a building prepared as in the office of the practicing architect.

The architectural library adjoining the drafting rooms is a working library with many volumes concerning architecture and

allied subjects, photographic plans and illustrations, lantern slides, drawings, models and files of the leading architectural magazines, both American and foreign. Books of this type purchased by the main College library are deposited in the architectural library. In the structural drafting room is a complete built-in exhibit of building materials and appliances especially arranged for instructional purposes.

Each spring students are expected to take an educational trip to a large city to study examples of architecture and construction.

Six weeks of practical architectural work approved by the architectural faculty are required for graduation.

## ARCHITECTURE

### FRESHMAN YEAR

#### *First Semester*

Arch 101 Elements of Design	3 (0,9)
Arch 105 Freehand Drawing	1 (0,3)
Chem 101 General Chemistry	4 (3,3)
Engl 101 Comp. and Lit.	3 (3,0)
Math 103 Freshman Math	5 (5,0)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)

17

#### *Second Semester*

Arch 102 Architectural Design	2 (0,6)
Arch 106 Freehand Drawing	2 (0,6)
Chem 102 General Chemistry	4 (3,3)
Engl 102 Comp. and Lit.	3 (3,0)
Math 104 Freshman Math	5 (5,0)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)

17

### SOPHOMORE YEAR

Arch 201 Arch. Design	4 (0,12)
Arch 205 Elem. Rendering	1 (0,3)
Arch 209 Hist. of Arch.	3 (3,0)
Engl 203 Survey of Engl. Lit.	3 (3,0)
Math 201 Diff. Calculus	3 (3,0)
Phys 201 General Physics	3 (3,0)
Phys 203 Gen. Phys. Lab.	1 (0,3)
M S 201 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)

19

Arch 202 Arch. Design	4 (0,12)
Arch 206 Adv. Rendering	1 (0,3)
Arch 210 Hist. of Arch.	3 (3,0)
Engl 204 Survey of Engl. Lit.	3 (3,0)
Math 202 Integral Calculus	3 (3,0)
Phys 202 General Physics	3 (3,0)
Phys 204 Gen. Phys. Lab.	1 (0,3)
M S 202 Military Drill	0 (0,3)
M S 204 M. S. & T.—Basic	1 (2,0)

19

### JUNIOR YEAR

Arch 301 Arch. Design	6 (0,18)
Arch 305 Water Color	1 (0,3)
Arch 309 Hist. of Arch.	2 (2,0)
Arch 315 Bldg. Construction	2 (2,0)
Arch 317 Working Drawings	1 (0,3)
Mech 302 Statics	3 (3,0)
Mech 306 Graphic Statics	1 (0,3)
M S 301 Military Drill	0 (0,3)
Approved Elective	3

19

Arch 302 Arch. Design	6 (0,18)
Arch 306 Adv. Water Color	1 (0,3)
Arch 316 Bldg. Construction	2 (2,0)
Arch 318 Working Drawings	1 (0,3)
Engl 301 Public Speaking	3 (3,0)
Mech 304 Mech. of Matr.	3 (3,0)
M S 302 Military Drill	0 (0,3)
Approved Elective	3

19

## SENIOR YEAR

Arch 401 Arch. Design -----	7 (0,21)	Arch 402 Arch. Design -----	7 (0,21)
Arch 405 Life Drawing -----	1 (0,3)	Arch 406 Arch. Modeling -----	1 (0,3)
Arch 415 Bldg. Design -----	2 (2,0)	Arch 410 History of Art -----	3 (3,0)
Arch 417 Working Drawings -----	2 (0,6)	Arch 416 Specifications -----	2 (2,0)
Arch 419 Mechanical Plant -----	2 (2,0)	Arch 418 Work. Draw. & Details -----	2 (0,6)
C E 409 Reinf. Concrete -----	4 (3,3)	Arch 420 Profess. Practice -----	1 (1,0)
M S 401 Military Drill -----	0 (0,3)	M S 402 Military Drill -----	0 (0,3)
Approved Elective -----	2	Approved Electives -----	4
	<hr/> 20		<hr/> 20

## FIFTH YEAR

Arch 431 Arch. Design -----	8 (0,24)	Arch 432 Arch. Design -----	8 (0,24)
Arch 435 Seminar -----	1 (0,3)	Arch 436 Seminar -----	1 (0,3)
Arch 439 Hist. of Arch. -----	3 (3,0)	Arch 440 Hist. of Arch. -----	3 (3,0)
Arch 445 Bldg. Design -----	1 (0,3)	Arch 446 Bldg. Design -----	1 (0,3)
Arch 447 City Planning -----	3 (1,6)	Arch 448 City Planning -----	3 (1,6)
Approved Electives -----	4	Approved Electives -----	4
	<hr/> 20		<hr/> 20

Four-year course leads to the degree of Bachelor of Science in Architecture.

Five-year course leads to the degree of Bachelor of Architecture.

## ARCHITECTURAL ENGINEERING

## FRESHMAN YEAR

*First Semester*

Arch 101 Elements of Design -----	3 (0,9)
Arch 105 Freehand Drawing -----	1 (0,3)
Chem 101 General Chemistry -----	4 (3,3)
Engl 101 Comp. and Lit. -----	3 (3,0)
Math 103 Freshman Math. -----	5 (5,0)
M S 101 Military Drill -----	0 (0,3)
M S 103 M. S. & T.—Basic -----	1 (2,0)

---

17
*Second Semester*

Arch 102 Architectural Design -----	2 (0,6)
Arch 106 Freehand Drawing -----	2 (0,6)
Chem 102 General Chemistry -----	4 (3,3)
Engl 102 Comp. and Lit. -----	3 (3,0)
Math 104 Freshman Math. -----	5 (5,0)
M S 102 Military Drill -----	0 (0,3)
M S 104 M. S. & T.—Basic -----	1 (2,0)

---

17

## SOPHOMORE YEAR

Arch 201 Arch. Design -----	4 (0,12)	Arch 202 Arch. Design -----	4 (0,12)
Arch 205 Elem. Rendering -----	1 (0,3)	Arch 206 Adv. Rendering -----	1 (0,3)
Arch 209 Hist. of Arch. -----	3 (3,0)	Arch 210 Hist. of Arch. -----	3 (3,0)
Engl 203 Survey of Engl. Lit. -----	3 (3,0)	Engl 204 Survey of Engl. Lit. -----	3 (3,0)
Math 201 Diff. Calculus -----	3 (3,0)	Math 202 Integral Calculus -----	3 (3,0)
Phys 201 General Physics -----	3 (3,0)	Phys 202 General Physics -----	3 (3,0)
Phys 203 Gen. Phys. Lab. -----	1 (0,3)	Phys 204 Gen. Phys. Lab. -----	1 (0,3)
M S 201 Military Drill -----	0 (0,3)	M S 202 Military Drill -----	0 (0,3)
M S 203 M. S. & T.—Basic -----	1 (2,0)	M S 204 M. S. & T.—Basic -----	1 (2,0)

---

19

---

19

## JUNIOR YEAR

Arch 301 Arch. Design.....	6 (0,18)	Arch 302 Arch. Design.....	6 (0,18)
Arch 305 Water Color.....	1 (0,3)	Arch 306 Adv. Water Color.....	1 (0,3)
Arch 315 Bldg. Construction.....	2 (2,0)	Arch 316 Bldg. Construction.....	2 (2,0)
Arch 317 Work. Drawings.....	1 (0,3)	Arch 318 Work. Drawings.....	1 (0,3)
C E 101 Intro. Surveying.....	2 (1,3)	C E 309 Stress Analysis.....	2 (0,6)
Mech 302 Statics.....	3 (3,0)	Engl 301 Public Speaking.....	3 (3,0)
Mech 306 Graphic Statics.....	1 (0,3)	Mech 304 Mech. of Matr.....	3 (3,0)
M S 301 Military Drill.....	0 (0,3)	Mech 305 Mech. Matr. Lab.....	1 (0,3)
Approved Elective .....	3	M S 302 Military Drill.....	0 (0,3)
	19		19

## SENIOR YEAR

Arch 425 Building Design.....	2 (2,0)	Arch 420 Profess. Practice.....	1 (1,0)
Arch 427 Working Drawings.....	4 (1,9)	Arch 426 Specifications.....	2 (2,0)
C E 310 Elementary Design.....	2 (0,6)	Arch 428 Work Draw. & Details.....	4 (1,9)
Phys 308 Sound & Acoustics.....	3 (3,0)	C E 409 Reinf. Concrete.....	4 (3,3)
M S 401 Military Drill.....	0 (0,3)	C E 415 Soil Mechanics.....	3 (2,3)
Technical Elective .....	3	M S 402 Military Drill.....	0 (0,3)
Approved Electives .....	6	Technical Elective .....	3
	20	Approved Elective .....	3

Technical Electives:	
Arch 447 City Planning .....	3 (1,6)
E E 303 Elec. Circuits & Mach.....	4 (3,3)

General Electives:	
Econ 201 Prin. of Economics .....	3 (3,0)
Econ 301 Labor Problems .....	3 (3,0)
Econ 401 Accounting .....	3 (3,0)
Elective English .....	3 (3,0)
Hist 303 Hist. of Civ. ....	3 (3,0)
Phys 301 Int. to Mod. Phys. ....	3 (3,0)
Phys 303 Exp. in Mod. Phys. ....	1 (0,3)
Psych 301 Gen. Psychology .....	3 (3,0)

Technical Electives:	
Arch 448 City Planning .....	3 (1,6)
C E 416 Contracts .....	2 (2,0)
M E 302 Mech. Engr. ....	3 (3,0)
M E 304 Mech. Engr. ....	1 (0,3)

General Electives:	
Econ 202 Prin. of Economics .....	3 (3,0)
Econ 302 Money and Banking .....	3 (3,0)
Elective English .....	3 (3,0)
Gov 302 State and Local Gov. ....	3 (3,0)
Gov. 43 Internat'l. Relat.....	2 (2,0)
Hist 304 Hist. of Civ. ....	3 (3,0)
Psych 302 Social Psychology .....	3 (3,0)
Soc 301 Intro. Sociology.....	3 (3,0)

## CERAMIC ENGINEERING

The ceramic industries have as their raw materials the non-metallic minerals other than fuels. These minerals constitute over 90 per cent of the earth's crust while the industries dependent on them comprise almost one-third the entire field of industrial activity. Ceramic industries produce products in eight major classifications: structural clay products; glass; pottery; refractories abrasives; cements; limes and plaster; enameled metals; thermal and electrical insulation.

South Carolina possesses a wide variety of ceramic minerals which rank with the forests as the richest natural resources in the State. The presence of kaolin, silica, limestone, shale, kyanite, pyrophyllite, sericite, topaz, feldspar, vermiculite, sillimanite, talc, corundum, mica, spodumene, monazite, diatomaceous earth and fuller's earth make it possible for South Carolina to contribute

raw materials to every major classification of the ceramic industries. The Portland Cement, glass, sewer pipe, brick flower pot, thermal insulation, refractory and pottery industries of the State indicate the diversity of ceramic industries which South Carolina is capable of supporting.

The ceramic industrial growth of South Carolina has been retarded by the absence of persons with a knowledge of ceramic manufacturing processes. The ceramic industries of today are no longer small colorful enterprises which can be operated by persons of dubious skill. Instead they are large manufacturing plants requiring trained engineers for their supervision. The growth of South Carolina's ceramic industries is dependent on the availability of trained engineers capable of incorporating and operating the modern techniques and equipment of the ceramic industries.

The demand for ceramic engineers has not been satisfied by American Colleges for many years including the years of the last depression. The curriculum in Ceramic Engineering is offered with the aim of partially supplying the demand for ceramic engineers in this region and providing trained engineers for the development of the latent resources of South Carolina.

The curriculum in Ceramic Engineering leads to the degree of Bachelor of Ceramic Engineering. The course is based on a thorough study of the sciences of chemistry, physics and mathematics. Advanced courses are designed to apply these fundamental sciences to Ceramic Engineering. A knowledge is required of the fundamentals of civil, electrical, and mechanical engineering. Extensive work is required in mechanical drawing. The need for a knowledge of the identification and occurrence of the numerous ceramic raw materials is satisfied with courses in geology, mineralogy and petrography. In the Ceramic Engineering courses, emphasis is placed on the processes of manufacture common to all the ceramic industries while the more advanced courses are concerned with the characteristics peculiar to specific classifications of the ceramic industries. The course in plant design offered in the senior year requires the application of principles acquired in previous courses. The Ceramic Engineering student may choose certain elective courses from the humanistic and social subjects.

An excellent ceramic laboratory has been equipped to demonstrate all the processes of ceramic manufacturing, including beneficiation of ores and clays, grinding and crushing materials, mixing and blending raw materials, forming the materials into various shapes, and drying and firing the prepared objects. Equipment for the control of industrial processes is studied and tests are made to determine the quality of various ceramic products. Well-equipped laboratories are available for research on raw materials and problems of ceramic industries in South Carolina.

Ceramic Engineering graduates find employment as plant executives, research engineers, plant-control engineers, sales engineers, product control engineers, plant designers and constructors, equipment manufacturers, consulting engineers, and ceramic chemists and technologists.

## CERAMIC ENGINEERING

### FRESHMAN YEAR

#### *First Semester*

Chem 101 General Chemistry	4	(3,3)
D D 105 Engr. Drawing	2	(0,6)
Engl 101 Comp. and Lit.	3	(3,0)
In En 101 Metal Processes	2	(0,6)
or C E 101 Intro. Surveying	2	(1,3)
Math 103 Freshman Math.	5	(5,0)
M S 101 Military Drill	0	(0,3)
M S 103 M. S. & T.—Basic	1	(2,0)

17

#### *Second Semester*

Chem 102 General Chemistry	4	(3,3)
C E 101 Intro. Surveying	2	(1,3)
or In En 101 Metal Processes	2	(0,6)
D D 106 Engr. Drawing	2	(0,6)
Engl 102 Comp. and Lit.	3	(3,0)
Math 104 Freshman Math.	5	(5,0)
M S 102 Military Drill	0	(0,3)
M S 104 M. S. & T.—Basic	1	(2,0)

17

### SOPHOMORE YEAR

Chem 215 Qual. Analysis	4	(2,6)
Engl 203 Survey of Engl. Lit.	3	(3,0)
Geol 406 Engr. Geology	3	(3,0)
Math 203 Diff. Calculus	5	(5,0)
Phys 211 G. Phys. for Engr.	4	(4,0)
Phys 213 Gen. Phys. Lab.	1	(0,3)
M S 201 Military Drill	0	(0,3)
M S 203 M. S. & T.—Basic	1	(2,0)

21

Cr En 202 Ceramic Materials	2	(2,0)
Chem 216 Quan. Analysis	4	(2,6)
Engl 204 Survey of Engl. Lit.	3	(3,0)
Math 204 Integral Calculus	5	(5,0)
Phys 212 G. Phys. for Engr.	4	(4,0)
Phys 214 Gen. Phys. Lab.	1	(0,3)
M S 202 Military Drill	0	(0,3)
M S 204 M. S. & T.—Basic	1	(2,0)

20

### JUNIOR YEAR

Cr En 301 Drying & Firing	5	(3,6)
Geol 306 Mineralogy	4	(3,3)
M E 305 Heat Power	3	(3,0)
M E 303 Heat Power Lab.	1	(0,3)
Mech 302 Statics	3	(3,0)
*Approved Elective	3	

19

Chem 336 Physical Chemistry	5	(3,6)
Geol 302 Optical Mineralogy	4	(3,3)
M E 306 Heat Power	3	(3,0)
M E 407 Mechanical Lab.	1	(0,3)
Mech 303 Kinetics	3	(3,0)
*Approved Elective	3	

19

## SENIOR YEAR

Cr En 401 Silicates.....	5 (3,6)	Cr En 402 Refractories.....	3 (3,0)
Cr En 405 Plant Design.....	3 (0,9)	Cr En 404 Enamels.....	3 (3,0)
E E 303 Elec. Circuits & Machines.....	4 (3,3)	Cr En 406 Ceramic Project.....	2 (0,6)
Mech 304 Mech. of Matr.....	3 (3,0)	Cr En 408 Plant Design.....	2 (0,6)
Mech 305 Mech. of Matr. Lab.....	1 (0,3)	Engl 301 Public Speaking.....	3 (3,0)
*Approved Elective.....	2	Engl 302 Business Law.....	3 (3,0)
		*Approved Elective.....	3

18

19

\*Electives: A student who does not take advanced ROTC is required to take most, if not all, his electives from the humanistic social studies.

## CHEMICAL ENGINEERING

The curriculum in Chemical Engineering is designed to give a sound training in Chemical Engineering for those who wish to enter the process industries. In addition to the direct work in Unit Operations and Unit Processes, a solid background of chemistry, mathematics, physics, and general engineering is provided. The ever changing and increasingly complex chemical industry demands a well trained, adaptive personnel. The rule-of-thumb methods of the turn of the century are no longer adequate for the chemical engineer's principal tasks, design and operation of process plants and converting the discoveries of the research laboratory into industrial reality.

Chemical Engineering graduates are principally employed in direct manufacturing, research and development work, technical service, and in the sales divisions of chemical and allied industrial organizations.

## CHEMICAL ENGINEERING

## FRESHMAN YEAR

*First Semester*

Chem 103 General Chemistry.....	4 (3,3)
D D 105 Engr. Drawing.....	2 (0,6)
Engl 101 Comp. and Lit.....	3 (3,0)
In En 101 Metal Processes.....	2 (0,6)
or C E 101 Intro. Surveying.....	2 (1,3)
Math 103 Freshman Math.....	6 (5,0)
M S 101 Military Drill.....	0 (0,3)
M S 103 M. S. & T. Basic.....	1 (2,0)

17

*Second Semester*

Chem 104 General Chemistry.....	4 (3,3)
C E 101 Intro. Surveying.....	2 (1,3)
or In En 101 Metal Processes.....	2 (0,6)
D D 106 Engr. Drawing.....	2 (0,6)
Engl 102 Comp. and Lit.....	3 (3,0)
Math 104 Freshman Math.....	5 (5,0)
M S 102 Military Drill.....	0 (0,3)
M S 104 M. S. & T.—Basic.....	1 (2,0)

17

## SOPHOMORE YEAR

Chem 215 Qual. Analysis.....	4 (2,6)
Engl 203 Survey of Engl. Lit.....	3 (3,0)
In En 201 Metal Processes.....	2 (0,6)
Math 203 Diff. Calculus.....	5 (5,0)
Phys 211 G. Phys. for Engr.....	4 (4,0)
Phys 213 Gen. Phys. Lab.....	1 (0,3)
M S 201 Military Drill.....	0 (0,3)
M S 203 M. S. & T.—Basic.....	1 (2,0)

20

Ch En 202 Intro. to Chem. Engr.....	3 (3,0)
Chem 216 Quan. Analysis.....	4 (2,6)
Engl 204 Survey of Engl. Lit.....	3 (3,0)
Math 204 Integral Calculus.....	5 (5,0)
Phys 212 G. Phys. for Engr.....	4 (4,0)
Phys 214 Gen. Phys. Lab.....	1 (0,3)
M S 202 Military Drill.....	0 (0,3)
M S 204 M. S. & T.—Basic.....	1 (2,0)

21

## JUNIOR YEAR

Ch En 301 Prin. Chem. Engr. ....	3 (3,0)	Ch En 302 Prin. Chem. Engr. ....	3 (3,0)
Ch En 305 Unit Operations ....	1 (0,3)	Ch En 306 Unit Operations ....	1 (0,3)
Chem 221 Organic Chemistry ....	5 (3,6)	Chem 222 Organic Chemistry ....	5 (3,6)
Chem 331 Physical Chemistry ....	3 (3,0)	Chem 332 Physical Chemistry ....	3 (3,0)
Chem 333 Phys. Chem. Lab. ....	2 (0,6)	Chem 334 Phys. Chem. Lab. ....	2 (0,6)
Mech 302 Statics ....	3 (3,0)	Mech 303 Kinetics ....	3 (3,0)
M S 301 Military Drill ....	0 (0,3)	M S 302 Military Drill ....	0 (0,3)
Approved Elective .....	3	Approved Elective .....	3
<hr/> 20		<hr/> 20	

## SENIOR YEAR

Ch En 401 Prin. Chem. Engr. ....	3 (3,0)	Ch En 404 Chem. Industries ....	3 (3,0)
Ch En 403 Chem. Industries ....	3 (3,0)	Ch En 406 Ind. Chem. Calc. ....	2 (2,0)
Ch En 405 Unit Operations ....	2 (0,6)	Ch En 410 Plant Design ....	2 (0,6)
Ch En 409 Plant Design ....	2 (0,6)	Ch En 412 Thesis ....	3 (0,9)
Ch En 415 Ch. En. Seminar ....	0 (1,0)	Ch En 416 Ch. En. Seminar ....	0 (1,0)
E E 303 Elec. Circuits & Mach. ....	4 (3,3)	M E 302 Mech. Engr. ....	3 (3,0)
M S 401 Military Drill ....	0 (0,3)	M E 304 Mech. Engr. Lab. ....	1 (0,3)
Approved Electives .....	4	M S 402 Military Drill ....	0 (0,3)
<hr/> 18		Approved Elective .....	3

## Suggested Electives:

Chem 431 Colloid Chemistry ....	2 (2,0)
Econ 201 Prin. of Economics ....	3 (3,0)
Econ 301 Labor Problems ....	3 (3,0)
Econ 401 Accounting ....	3 (3,0)
Elective English ....	3 (3,0)
Hist 303 Hist. of Civ. ....	3 (3,0)
Modern Language ....	3 (3,0)
Phys 301 Int. to Mod. Phys. ....	3 (3,0)
Phys 303 Exp. in Mod. Phys. ....	1 (0,3)
Psych 301 Gen. Psychology ....	3 (3,0)

## Suggested Electives:

Chem 432 Colloid Chemistry ....	2 (2,0)
Econ 202 Prin. of Economics ....	3 (3,0)
Econ 302 Money and Banking ....	3 (3,0)
Elective English ....	3 (3,0)
Gov 43 Internat'l. Relat. ....	2 (2,0)
Hist 304 Hist. of Civ. ....	3 (3,0)
Modern Language ....	3 (3,0)
Phys 452 Atom and Nucl. Ph. ....	3 (3,0)
Psych 302 Social Psychology ....	3 (3,0)
Soc 301 Intro. Sociology ....	3 (3,0)

## CIVIL ENGINEERING

The Civil Engineering curriculum is intended to prepare young men for entrance into professional practice in Civil Engineering and also to meet the needs of those who, having been engaged in engineering work without a course of instruction in the technical details thereof, desire to equip themselves for more successful competition with those who have had the benefit of such instruction.

In connection with the technical studies, liberal training is given in English, economics, mathematics, physics and chemistry. This course also embraces a considerable amount of drawing and shop work and short courses in electrical engineering and mechanical engineering.

The distinctive work pursued by students in Civil Engineering includes: the field and office work of land surveying, topographic surveying and mapping, and leveling; the location and construction of railroads and highways; bridges, and other

related structures; the investigation of the strength of the materials of construction and the theories involved in their use; masonry construction, including reinforced concrete; foundations; a study of soil mechanics and a laboratory course in soil analysis; a particular study of highway engineering, including a laboratory course covering all the standard tests of highway materials, both bituminous and non-bituminous; municipal and sanitary engineering, which includes the study of bacteriology, water supply, sewerage and drainage; and a brief study of engineering law relating to contracts and specifications.

Positions held by Civil Engineering graduates include resident engineer, engineer in charge of flood control, bridge designer, construction superintendent, city engineer, railroad maintenance and construction engineer, and also such positions as Testing Engineer, State Highway Engineer, and Chief Highway Commissioner.

A summer surveying camp between the sophomore and junior years is normally an integral part of the course in Civil Engineering, but this feature was suspended during the war, and has not yet been reinstated.

## CIVIL ENGINEERING

### FRESHMAN YEAR

#### *First Semester*

Chem 101 General Chemistry	4	(3,3)
D D 105 Engr. Drawing	2	(0,6)
Engl 101 Comp. and Lit.	3	(3,0)
In En 101 Metal Processes	2	(0,6)
or C E 101 Intro. Surveying	2	(1,3)
Math 103 Freshman Math.	5	(5,0)
M S 101 Military Drill	0	(0,3)
M S 103 M. S. & T.—Basic	1	(2,0)

17

#### *Second Semester*

Chem 102 General Chemistry	4	(3,3)
C E 101 Intro. Surveying	2	(1,3)
or In En 101 Metal Processes	2	(0,6)
D D 106 Engr. Drawing	2	(0,6)
Engl 102 Comp. and Lit.	3	(3,0)
Math 104 Freshman Math.	5	(5,0)
M S 102 Military Drill	0	(0,3)
M S 104 M. S. & T.—Basic	1	(2,0)

17

### SOPHOMORE YEAR

C E 201 Surveying	2	(2,0)
C E 203 Topog. Survey. & Map.	1	(0,3)
C E 205 C. E. Problems	2	(1,3)
Engl 203 Survey of Engl. Lit.	3	(3,0)
Math 203 Diff. Calculus	5	(5,0)
Phys 211 G. Phys. for Engr.	4	(4,0)
Phys 213 Gen. Phys. Lab.	1	(0,3)
M S 201 Military Drill	0	(0,3)
M S 203 M. S. & T.—Basic	1	(2,0)

19

C E 202 Surveying	2	(2,0)
Engl 204 Survey of Engl. Lit.	3	(3,0)
Math 204 Integral Calculus	5	(5,0)
Mech 302 Statics	3	(3,0)
Mech 306 Graphic Statics	1	(0,3)
Phys 212 G. Phys. for Engr.	4	(4,0)
Phys 214 Gen. Phys. Lab.	1	(0,3)
M S 202 Military Drill	0	(0,3)
M S 204 M. S. & T.—Basic	1	(2,0)

20

C E 300 Summer Surveying Camp 2

## JUNIOR YEAR

C E 305 Route Surveying -----	3 (3,0)	C E 306 Roads & Pavements ----	4 (3,3)
C E 309 Stress Analysis -----	2 (0,6)	C E 310 Elementary Design -----	2 (0,6)
Econ 201 Prin. of Economics -----	3 (3,0)	Engl 301 Public Speaking -----	3 (3,0)
E E 303 Elec. Circuits & Mach. ---	4 (3,3)	Geol 406 Engr. Geology -----	3 (3,0)
Mech 304 Mech. of Matr. -----	3 (3,0)	M E 302 Mech. Engr. -----	3 (3,0)
Mech 305 Mech. Matr. Lab. -----	1 (0,3)	M E 304 Mech. Engr. Lab. -----	1 (0,3)
M S 301 Military Drill -----	0 (0,3)	M S 302 Military Drill -----	0 (0,3)
Approved Elective -----	3	Approved Elective -----	3

19

19

## SENIOR YEAR

C E 401 Structural Design -----	3 (2,3)	Bact 406 Sanitary Bact. -----	3 (3,0)
C E 405 Road Lab. -----	1 (0,3)	Bact 408 San. Bact. Lab. -----	1 (0,3)
C E 409 Reinf. Concrete -----	4 (3,3)	C E 402 Structural Analysis -----	2 (2,0)
C E 415 Soil Mechanics -----	3 (2,3)	C E 406 Road Lab. -----	1 (0,3)
Mech 401 Fluid Mechanics -----	3 (3,0)	C E 410 Mun. & San. Engr. -----	5 (5,0)
Mech 403 Fluid Mech. Lab. -----	1 (0,3)	C E 416 Contracts -----	2 (2,0)
M S 401 Military Drill -----	0 (0,3)	M S 402 Military Drill -----	0 (0,3)
Approved Elective -----	3	Technical Elective -----	2
		Approved Elective -----	3

18

19

## Suggested Electives:

C E 417 City Planning -----	2 (2,0)
Econ 301 Labor Problems -----	3 (3,0)
Econ 401 Accounting -----	3 (3,0)
Hist 303 Hist. of Civ. -----	3 (3,0)
In En 205 Constr. Materials -----	2 (2,0)
Math 305 Intermediate Calc. -----	3 (3,0)
Phys 301 Int. to Mod. Phys. -----	3 (3,0)
Phys 303 Exp. in Mod. Phys. -----	1 (0,3)
Psych 301 Gen. Psychology -----	3 (3,0)
Religion -----	3 (3,0)

## Suggested Electives:

C E 452 Adv. Struct. Anal. -----	2 (2,0)
Econ 202 Prin. of Economics -----	3 (3,0)
Econ 302 Money and Banking -----	3 (3,0)
Hist 304 Hist. of Civ. -----	3 (3,0)
In En 302 Welding -----	2 (1,3)
Math 306 Ord. Diff. Equa. -----	3 (3,0)
Mech 460 Hydrology -----	3 (3,0)
Mech 462 Water Power Engr. -----	3 (3,0)
Phys 304 Descript. Astronomy -----	3 (3,0)
Psych 302 Social Psychology -----	3 (3,0)
Religion -----	3 (3,0)
Soc 301 Intro. Sociology -----	3 (3,0)

## ELECTRICAL ENGINEERING

Engineering deals fundamentally with the control of the energies of nature. Electrical Engineering is that branch of engineering which embraces the conversion of primary energy into electrical form, the transmission and the application of this energy to innumerable devices designed for human service. Some of the more notable applications are domestic appliances, illumination, transportation, communication, and industry motorization.

The curriculum for students in Electrical Engineering contains a selected series of fundamental studies which enable the student to enter any division of the field of Electrical Engineering. In addition the curriculum includes a selected group of broadening and cultural studies.

The first two years are devoted largely to basic sciences and other subjects prerequisite to the general field of engineering. The work of the last two years is more specialized and embraces required and elective courses which are pertinent to the two

major fields, Power Engineering and Communication Engineering.

The theoretical courses in science and engineering are paralleled and reinforced by strong laboratory courses through which the student may make his own determinations of the characteristics of engineering materials and machines and other electrical devices. The laboratories are well equipped for this work.

The entire course is directed toward the development of initiative and self-reliance, so that the student may enter his chosen field with reasonable hope of usefulness and success.

## ELECTRICAL ENGINEERING

### FRESHMAN YEAR

#### First Semester

Chem 101 General Chemistry	4 (3,3)
D D 105 Engr. Drawing	2 (0,6)
Engr 101 Comp. and Lit.	3 (3,0)
In En 101 Metal Processes	2 (0,6)
or C E 101 Intro. Survey.	2 (1,3)
Math 103 Freshman Math.	5 (5,0)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)

17

#### Second Semester

Chem 102 General Chemistry	4 (3,3)
C E 101 Intro. Surveying	2 (1,3)
or In En 101 Metal Processes	2 (0,6)
D D 106 Engr. Drawing	2 (0,6)
Engr 102 Comp. and Lit.	3 (3,0)
Math 104 Freshman Math.	5 (5,0)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)

17

### SOPHOMORE YEAR

E E 211 Electric Circuits	3 (3,0)
Econ 201 Prin. of Economics	3 (3,0)
or In En 201 Metal Processes	2 (0,6)
Engr 203 Survey of Engr. Lit.	3 (3,0)
Math 203 Diff. Calculus	5 (5,0)
Phys 212 G. Phys. for Engr.	4 (4,0)
Phys 214 Gen. Phys. Lab.	1 (0,3)
M S 201 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)

20 or 19

E E 212 Electric Fields	3 (2,3)
Engr 204 Survey of Engr. Lit.	3 (3,0)
In En 201 Metal Processes	2 (0,6)
or Econ 201 Prin. of Econ.	3 (3,0)
Math 204 Integral Calculus	5 (5,0)
Phys 211 G. Phys. for Engr.	4 (4,0)
Phys 213 Gen. Phys. Lab.	1 (0,3)
M S 202 Military Drill	0 (0,3)
M S 204 M. S. & T.—Basic	1 (2,0)

19 or 20

### JUNIOR YEAR

E E 311 D. C. Machinery	4 (3,3)
E E 315 A. C. Circuits	3 (3,0)
Engr 301 Public Speaking	3 (3,0)
M E 305 Heat Power	3 (3,0)
Mech 302 Statics	3 (3,0)
M S 301 Military Drill	0 (0,3)
Approved Elective	3

19

E E 316 A. C. Circuits	4 (3,3)
E E 320 Electronics	4 (3,3)
M E 306 Heat Power	3 (3,0)
M E 308 Heat Power Lab.	1 (0,3)
Mech 303 Kinetics	3 (3,0)
M S 302 Military Drill	0 (0,3)
Approved Elective	3

18

## SENIOR YEAR

E E 411 A. C. Machinery	5 (3,6)
E E 415 Advanced Circuits	3 (3,0)
Hist 301 U. S. since 1865	3 (3,0)
M E 407 Mechanical Lab.	1 (0,3)
M S 401 Military Drill	0 (0,3)
Technical Elective	5
Approved Elective	3

20

## Suggested Technical Electives:

E E 405 Electrical Design	1 (0,3)
E E 406 Electrical Design	1 (0,3)
E E 422 Elect. Distribution	2 (2,0)
E E 426 Elect. Transients	3 (2,3)
E E 427 Adv. A. C. Mach.	3 (3,0)
E E 431 Radio Communication	4 (3,3)
E E 432 Radio Communication	4 (3,3)
E E 433 Indus. Electronics	3 (2,3)
E E 436 Rad. & Wave Prop.	3 (2,3)
Math 306 Differential Equations	3 (3,0)
M E 411 Heat Power	3 (3,0)
M E 413 Heat Power Lab.	2 (0,6)
M E 426 Steam Turbines	3 (3,0)
Mech 401 Fluid Mechanics	3 (3,0)
Mech 403 Fluid Mech. Lab.	1 (0,3)

E E 412 A. C. Machinery	4 (3,3)
M E 420 Administration	3 (3,0)
Mech 304 Mech. of Matr.	3 (3,0)
M S 402 Military Drill	0 (0,3)
Technical Elective	7
Approved Elective	3

20

## Suggested General Electives:

Econ 202 Prin. of Econ.	3 (3,0)
Econ 301 Labor Problems	3 (3,0)
Econ 302 Money and Banking	3 (3,0)
Econ 401 Accounting	3 (3,0)
Elective English	3 (3,0)
Gov 43 Internat'l. Relations	2 (2,0)
Hist 303 Hist. of Civ.	3 (3,0)
Hist 304 Hist. of Civ.	3 (3,0)
Phys 301 Int. to Mod. Phys.	3 (3,0)
Phys 303 Exp. in Mod. Phys.	1 (0,3)
Psych 301 Gen. Psychology	3 (3,0)
Psych 302 Social Psychology	3 (3,0)
Soc 301 Intro. Sociology	3 (3,0)

## MECHANICAL ENGINEERING

Mechanical Engineering deals largely with the production of power from prime sources of energy and the design of the wide variety of mechanisms involved in the production and use of this power and, therefore, necessitates a study of thermodynamics, mechanics, strength of materials, metallurgy, and hydraulics.

The economic aspects of all engineering are emphasized as much as possible and the program is conducted so as to encourage orderly habits of attack and analysis with the main emphasis on why rather than how.

Mechanical Engineering graduates work with the production of power from fuel and water, with the construction and operation of machines used in manufacturing, and with the operation of power industries and manufacturing plants. In addition to the power companies and large electric and manufacturing concerns where many graduates are employed, opportunities are numerous in the automotive, aeronautical, railroad, air conditioning and refrigeration industries. The vast power developments and manufacturing uses of power promise even greater opportunities for mechanical engineers.

## MECHANICAL ENGINEERING

## FRESHMAN YEAR

## First Semester

Chem 101 General Chemistry	4 (3,3)
D D 105 Engr. Drawing	2 (0,6)
Engr 101 Comp. and Lit.	3 (3,0)
In En 101 Metal Processes	2 (0,6)
or C E 101 Intro. Survey.	2 (1,3)
Math 103 Freshman Math.	5 (5,0)
M S 101 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)

17

## Second Semester

Chem 102 General Chemistry	4 (3,3)
C E 101 Intro. Surveying	2 (1,3)
or In En 101 Metal Processes	2 (0,6)
D D 106 Engr. Drawing	2 (0,6)
Engr 102 Comp. and Lit.	3 (3,0)
Math 104 Freshman Math.	5 (5,0)
M S 102 Military Drill	0 (0,3)
M S 104 M. S. & T.—Basic	1 (2,0)

17

## SOPHOMORE YEAR

Engr 203 Survey of Engr. Lit.	3 (3,0)
In En 201 Metal Processes	2 (0,6)
or In En 202 Wood Proc.	2 (0,6)
Math 203 Diff. Calculus	5 (5,0)
M E 211 Mech. Engr.	2 (2,0)
M E 213 Engr. Problems	1 (0,3)
Phys 211 G. Phys. for Engr.	4 (4,0)
Phys 213 Gen. Phys. Lab.	1 (0,3)
M S 201 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)

19

Engr 204 Survey of Engr. Lit.	3 (3,0)
In En 202 Wood Processes	2 (0,6)
or In En 201 Metal Processes	2 (0,6)
Math 204 Integral Calculus	5 (5,0)
Mech 302 Statics	3 (3,0)
Phys 212 G. Phys. for Engr.	4 (4,0)
Phys 214 Gen. Phys. Lab.	1 (0,3)
M S 202 Military Drill	0 (0,3)
M S 204 M. S. & T.—Basic	1 (2,0)

19

## JUNIOR YEAR

D D 305 Kinematics of Mach.	2 (1,3)
Econ 201 Prin. of Economics	3 (3,0)
E E 307 D. C. Cir. & Mach.	4 (3,3)
M E 311 Heat Power	3 (3,0)
M E 313 Heat Power Lab.	1 (0,3)
Mech 303 Kinetics	3 (3,0)
M S 301 Military Drill	0 (0,3)
Approved Elective	3

19

D D 306 Machine Design	2 (1,3)
E E 308 A. C. Cir. & Mach.	4 (3,3)
Engr 301 Public Speaking	3 (3,0)
M E 312 Heat Power	3 (3,0)
M E 314 Heat Power Lab.	1 (0,3)
Mech 304 Mech. of Matr.	3 (3,0)
M S 302 Military Drill	0 (0,3)
Approved Elective	3

19

## SENIOR YEAR

Hist 301 U. S. since 1865	3 (3,0)
M E 411 Heat Power	3 (3,0)
M E 413 Heat Power Lab.	2 (0,6)
M E 417 Design	2 (1,3)
Mech 401 Fluid Mechanics	3 (3,0)
Mech 403 Fluid Mech. Lab.	1 (0,3)
M S 401 Military Drill	0 (0,3)
Technical Elective	3
Approved Elective	3

20

In En 402 Metallurgy	3 (3,0)
M E 412 Heat Power	3 (3,0)
M E 414 Heat Power Lab.	2 (0,6)
M E 418 Design	2 (1,3)
M E 420 Administration	3 (3,0)
M S 402 Military Drill	0 (0,3)
Technical Elective	4
Approved Elective	3

20

## Technical Electives:

C E 809 Stress Analysis	2 (0,6)
M E 421 Gas Engines	3 (3,0)
M E 423 Gas Engine Design	1 (0,3)
M E 429 Heating and Vent.	2 (2,0)
M E 431 Heat. & Vent. Des.	1 (0,3)
M E 433 Elem. Aerodynamics	2 (2,0)
Mech 460 Hydrology	3 (3,0)
Mech 462 Water Power Engr.	3 (3,0)
General Electives:	
Econ 301 Labor Problems	3 (3,0)
Econ 401 Accounting	3 (3,0)
Hist 303 Hist. of Civ.	3 (3,0)
Math 305 Intermediate Calc.	3 (3,0)
Math 453 Advanced Calculus	3 (3,0)
Phys 301 Int. to Mod. Phys.	3 (3,0)
Phys 303 Exp. in Mod. Phys.	1 (0,3)
Psych 301 Gen. Psychology	3 (3,0)
T M 401 Textile Costing	5 (3,6)
T M 403 Textile Management	3 (3,0)
T M 454 Time Study	3 (2,3)

## Technical Electives:

E E 320 Electronics	4 (3,3)
M E 426 Steam Turbines	3 (3,0)
M E 425 Steam Turbine Design	1 (0,3)
M E 430 Air Conditioning	2 (2,0)
M E 432 Air Cond. Des.	1 (0,3)
M E 434 Refrigeration	2 (2,0)
General Electives:	
Econ 202 Prin. of Economics	3 (3,0)
Econ 302 Money and Banking	3 (3,0)
Elective English	3 (3,0)
Hist 304 Hist. of Civ.	3 (3,0)
Math 306 Ord. Diff. Equa.	3 (3,0)
Math 454 Advanced Calculus	3 (3,0)
Phys 452 Atom and Nucl. Ph.	3 (3,0)
Psych 302 Social Psychology	3 (3,0)
Rel 201, 203 or 305	3 (3,0)
Soc 301 Intro. Sociology	3 (3,0)
T M 101 Intro. to Textiles	3 (2,3)

## SCHOOL OF TEXTILES

The great majority of the textile corporations which produce textiles on the cotton system are now located in the South-eastern States, centering in South Carolina and neighboring states. This makes Clemson College an appropriate institution for college training in this field.

There is always a demand for our graduates which far exceeds our supply. There is a trend in the demand for some graduates with training in the basic engineering sciences; therefore, the Textile Engineering course has been modified to meet this demand.

The Clemson Textile School now offers three courses leading to the degree of Bachelor of Science: Textile Chemistry, Textile Engineering, and Textile Manufacturing.

*The Sirrine Foundation.* The funds in this foundation have been contributed by the textile companies in the State and now total nearly \$1,000,000, which figure is expected to be exceeded soon. The interest from this large fund is used exclusively for the School of Textiles at Clemson, primarily to improve the teaching staff. Under the present plans, the textile faculty is benefiting in three ways. (1) For all faculty members retiring with the rank of associate or full professor, the retirement payments by the State are enhanced to 85% of the member's full salary (to 100% for heads of departments). (2) The foundation contributes half of the salary for an extra professor in each of three departments. These extra personnel have research projects but take classes for short periods to enable the regular teachers to visit mills, attend conferences, etc. (3) The foundation greatly increases the travel funds to aid the visitation and study of the mills in the State. Plans for the use of additional funds are to be announced later.

## TEXTILE CHEMISTRY

The work of textile chemists includes the various phases of textile coloring, bleaching, printing, dyeing, and finishing of textile yarns and fabrics, as well as the manufacture and sale of dyestuffs. Graduates have positions such as bleachery chemist, dye foreman, designer, laboratory chemist, textile chemist, research assistant, and sales representative.

## TEXTILE CHEMISTRY

## FRESHMAN YEAR

## First Semester

Chem 103 General Chemistry	4	(3,3)
D D 105 Engr. Drawing	2	(0,6)
Engl 101 Comp. and Lit.	3	(3,0)
Gov 101 Am. Nat'l. Gov't.	3	(3,0)
Math 103 Freshman Math.	5	(5,0)
M S 101 Military Drill	0	(0,3)
M S 103 M. S. & T.—Basic	1	(2,0)

18

## Second Semester

Chem 104 General Chemistry	4	(3,3)
D D 106 Engr. Drawing	2	(0,6)
Engl 102 Comp. and Lit.	3	(3,0)
Math 104 Freshman Math.	5	(5,0)
T M 101 Intro. to Textiles	3	(2,3)
M S 102 Military Drill	0	(0,3)
M S 104 M. S. & T.—Basic	1	(2,0)

18

## SOPHOMORE YEAR

Chem 215 Qual. Analysis	4	(2,6)
Engl 203 Survey of Engl. Lit.	3	(3,0)
Math 203 Diff. Calculus	5	(5,0)
Phys 201 General Physics	3	(3,0)
Phys 203 Gen. Phys. Lab.	1	(0,3)
W D 201 Fabric Design	3	(2,3)
M S 201 Military Drill	0	(0,3)
M S 203 M. S. & T.—Basic	1	(2,0)

20

Chem 216 Quan. Analysis	4	(2,6)
Econ 201 Prin. of Economics	3	(3,0)
Engl 204 Survey of Engl. Lit.	3	(3,0)
Math 204 Integral Calculus	5	(5,0)
Phys 202 General Physics	3	(3,0)
Phys 204 Gen. Phys. Lab.	1	(0,3)
M S 202 Military Drill	0	(0,3)
M S 204 M. S. & T.—Basic	1	(2,0)

20

## JUNIOR YEAR

Chem 331 Physical Chemistry	3	(3,0)
Chem 333 Phys. Chem. Lab.	2	(0,6)
Engl 301 Public Speaking	3	(3,0)
T C 305 Textile Chemistry	4	(4,0)
T C 307 Tex. Chem. Lab.	1	(0,3)
Y M 305 Cotton Marketing	1	(0,3)
M S 301 Military Drill	0	(0,3)
*Approved Elective	3	

17

Chem 332 Physical Chemistry	3	(3,0)
Chem 334 Phys. Chem. Lab.	2	(0,6)
Engl 32 Business Law	2	(2,0)
T C 306 Textile Chemistry	4	(4,0)
T C 308 Tex. Chem. Lab.	1	(0,3)
M S 302 Military Drill	0	(0,3)
*Approved Electives	7	

19

## SENIOR YEAR

Chem 431 Colloid Chemistry	2	(2,0)
T C 410 Color Match. & Test.	1	(0,3)
T C 447 Chem. Proc. Tex.	4	(4,0)
T C 449 Ch. Pr. Tex. Lab.	1	(0,3)
T C 455 Cellulose Chem.	3	(3,0)
T M 462 Textile Microscopy	2	(1,3)
T M 464 Phys. Tex. Testing	2	(1,3)
M S 401 Military Drill	0	(0,3)
*Approved Elective	4	

19

Chem 432 Colloid Chemistry	2	(2,0)
T C 442 Thesis	2	(0,6)
T C 452 Chem. Proc. Tex.	4	(4,0)
T C 454 Ch. Pr. Tex. Lab.	1	(0,3)
T C 456 Syn. Fbrs. & Fin.	2	(2,0)
T M 454 Time Study	3	(2,3)
M S 402 Military Drill	0	(0,3)
*Approved Elective	5	

19

## \*Approved Electives:

Any courses beyond those required in Economics, Mathematics, Physics, Psychology, Religion, Sociology, and Textiles; any courses on the Junior-Senior level in Government and History except Gov 301; French or Spanish if four semesters completed; German if two semesters completed.

## Other Suggested Electives:

Ag Ec 401 Statistics	3	(2,3)
Arch 409 Art Appreciation	3	(3,0)
Ch En 301 Prin. Chem. Engr.	3	(3,0)
Ch En 305 Unit Operations	1	(0,3)
Ch En 405 Unit Operations	2	(0,6)
Chem 401 Inorganic Chemistry	3	(3,0)
Chem 411 Adv. Quant. Anal.	3	(1,6)
E E 303 Elec. Circuits & Mach.	4	(3,3)
Ent 301 Elem. & Econ. Ent.	3	(2,3)
Ent 401 Econ. Entomology	3	(2,3)
Geog 301 Economic Geography	3	(3,0)

## Other Suggested Electives:

Ag Ec 352 Public Finance	3	(3,0)
Ag Ec 502 Advanced Statistics	3	(2,3)
Ch En 302 Prin. Chem. Engr.	3	(3,0)
Ch En 306 Unit Operations	1	(0,3)
Ch En 406 Ind. Chem. Calc.	2	(2,0)
Chem 462 Technical Analysis	3	(1,6)
Chem 472 Organic Synthesis	4	(1,9)
Geog 302 Geopolitics	3	(3,0)
Geol 306 Mineralogy	4	(3,3)

## SOPHOMORE YEAR

Chem 220 Organic Chemistry ----4 (3,3)	Ag Ec 201 Agric. Economics ----3 (3,0)
Dairy 201 Dairying -----3 (2,3)	Ag En 201 Farm Machinery ----3 (2,3)
Engl 203 Survey of Engl. Lit. ---3 (3,0)	Agron 202 Soils -----3 (2,3)
Gov 101 Am. Nat'l. Gov't. ---3 (3,0)	Engl 204 Survey of Engl. Lit. ---3 (3,0)
Phys 201 General Physics -----3 (3,0)	Hort 201 Gen. Horticulture ----3 (2,3)
Phys 203 Gen. Phys. Lab. -----1 (0,3)	Phys 202 General Physics -----3 (3,0)
M S 201 Military Drill -----0 (0,3)	Phys 204 Gen. Phys. Lab. -----1 (0,3)
M S 203 M. S. & T.—Basic -----1 (2,0)	M S 202 Military Drill -----0 (0,3)
	M S 204 M. S. & T.—Basic -----1 (2,0)
18	20

## JUNIOR YEAR

Ag Ec 301 Rural Sociology -----3 (3,0)	Ag En 205 Farm Mechanics ----3 (2,3)
Ag En 301 Soil Conservation ---3 (2,3)	Agron 302 Genetics -----3 (2,3)
Agron 301 Fertilizers -----3 (3,0)	A H 301 Feeds and Feeding ----3 (3,0)
Educ 301 Intro. to Educ. -----3 (3,0)	Bact 301 Gen. Bacteriology ---3 (3,0)
P H 301 Farm Poultry -----3 (3,0)	Bact 303 Gen. Bact. Lab. -----1 (0,3)
P H 303 Farm Poul. Lab. -----1 (0,3)	Educ 302 Educ. Psychology ---3 (3,0)
M S 301 Military Drill -----0 (0,3)	M S 302 Military Drill -----0 (0,3)
Approved Elective -----3	Approved Elective -----3
19	19

## Suggested Electives:

A H 310 Pork Production -----2 (2,0)
A H 314 Pork Prod. Lab. -----1 (0,3)
Ent 301 Elem. & Econ. Ent. ---3 (2,3)
Hort 305 Plant Propagation ---3 (2,3)
M S M. S. & T.—Adv. -----3 (4,0)

## Suggested Electives:

Ag Ec 460 Agric. Finance -----3 (3,0)
For 304 Farm Forestry -----2 (2,0)
For 306 Farm For. Lab. -----1 (0,3)
Hort 306 Landscape Design ---2 (2,0)
Hort 308 Landsc. Des. Lab. -----1 (0,3)
M S M. S. & T.—Adv. -----3 (4,0)

## SENIOR YEAR

Arch 409 Art Appreciation -----3 (3,0)	Ag Ec 302 Farm Management --4 (3,3)
Bot 401 Plant Pathology -----2 (2,0)	Educ 404 Directed Teaching ---3 (0,9)
Bot 403 Plant Path. Lab. -----1 (0,3)	Educ 422 Prob. in Adult Educ. --3 (3,0)
Educ 401 Meth. in Ag. Ed. -----3 (3,0)	Hort 464 Food Preservation ---3 (2,3)
Educ 403 Directed Teaching ---3 (0,9)	Music 402 Music Appreciation --3 (3,0)
Engl 301 Public Speaking -----3 (3,0)	M S 402 Military Drill -----0 (0,3)
M S 401 Military Drill -----0 (0,3)	Approved Elective -----3
Approved Elective -----3	
18	19

## Suggested Electives:

Ag Ec 309 Marketing -----3 (2,3)
Dairy 309 Nutrition -----3 (3,0)
Hort 456 Truck Crops -----3 (2,3)
M S M. S. & T.—Adv. -----3 (4,0)
V S 401 Anat. & Physiology -----3 (2,3)

## Suggested Electives:

Ent 406 Beekeeping -----3 (2,3)
Hort 452 Commrc'l. Pomology ---3 (2,3)
M S M. S. & T.—Adv. -----3 (4,0)
V S 402 Animal Diseases -----3 (2,3)

# DESCRIPTION OF COURSES

## AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

	MR. AULL	
MR. FERRIER	MR. PETERSON	MR. BAUKNIGHT
MR. HUSMANN	MR. STEPP	MR. BOYD

AG EC 201—INTRODUCTION TO AGRICULTURAL ECONOMICS—3 cr. (3 and 0)

A study of the economics of agricultural production and marketing and of the economic principles that are important in analyzing economic phenomena having direct or indirect effects upon the incomes and living standards of farm people.

### AGRICULTURAL ECONOMICS STAFF

AG EC 301—RURAL SOCIOLOGY—3 cr. (3 and 0)

A study of human relations as modified by life in the country, including a consideration of the farm family, its housing, health, schooling, recreational opportunities, relation to land, and other related topics.

MR. BOYD

AG EC 302—FARM MANAGEMENT—4 cr. (3 and 3)

A study of business principles underlying the organization and operation of individual farms. Such factors as proper balance between enterprises and use of sound agronomic principles are considered from the viewpoint of continuous profits. *Prerequisite:* Ag Ec 201

MR. HUSMANN      MR. BAUKNIGHT

AG EC 305—FARM ACCOUNTING—2 cr. (1 and 3)

Double-entry bookkeeping is stressed in the foundation of this course. Study is then made of special journals, simplifications for farm record keeping, farm inventories, farm budgets, interpretation of financial statements and the factor method of farm business analysis.

MR. FERRIER

AG EC 309—AGRICULTURAL MARKETING—3 cr. (2 and 3)

Examination is made of the characteristics of demand for and supply of farm products and the marketing system which brings them together,

the changes which are taking place in marketing, and ways and means of narrowing the spread between farm and retail prices. *Prerequisite:* Ag Ec 201 or Econ 201 and Econ 202.

MR. FERRIER

AG EC 352—PUBLIC FINANCE—3 cr. (3 and 0)

A study of the principles of financing government, sources of public revenue, objects of public expenditure, problems of fiscal administration, and the application of fiscal policies in stabilizing the national economy.

MR. AULL

AG EC 356—AGRICULTURAL-INDUSTRIAL RELATIONS—3 cr. (3 and 0)

A study of the ways in which and the degrees to which agriculture and industry are dependent upon each other for sound economic prosperity and development, and of the effects upon agriculture of various types of activities in other segments of the national and international economy. *Prerequisite:* Ag Ec 201 or Econ 201 and 202.

MR. STEPP

AG EC 401—Statistics—3 cr. (2 and 3)

An elementary course dealing with organization and presentation of statistical data, measures of central tendency, sampling, and the usual statistical tests of significance and reliability.

MR. PETERSON

AG EC 405—SEMINAR—1 cr. (1 and 0)

An examination of the relation of economics and sociology to specific problems. *Prerequisite:* Senior standing and major in Agricultural Economics.

MR. AULL AND STAFF

AG EC 406—SEMINAR—1 cr. (1 and 0)

A continuation of Ag Ec 405.

MR. AULL AND STAFF

AG EC 451—ECONOMICS OF COOPERATION—3 cr. (3 and 0)

A study of the principles governing cooperative business enterprise and methods of applying these principles to purchasing, selling, processing,

and financing in agriculture. Major emphasis is placed upon the possibilities and limitations of cooperation in increasing the incomes of farmers or rendering them better services for their money. *Prerequisite:* Ag Ec 201 or Econ 201 and Econ 202.

MR. FERRIER

AG EC 452—AGRICULTURAL POLICY—3 cr. (3 and 0)

A critical examination of government policies and programs affecting agriculture.

MR. AULL

AG EC 455—INTERNATIONAL TRADE—3 cr. (3 and 0)

A study of the principles governing interregional and international trade. Attention is devoted to competition between regions and nations, to regulatory and monetary measures that promote or retard the flow of trade, to the causes and effects of regional and national differences in incomes and levels of living, to the domestic and international effects of various monetary and credit policies, and to the effects of monopoly and government restrictions upon the international price structure of various commodities. *Prerequisite:* Permission of the instructor.

MR. STEPP

AG EC 456—PRICES—3 cr. (3 and 0)

A study of the factors affecting prices of farm products and the adjustments necessary to meet price changes, including such topics as prices of farm products in relation to agricultural and industrial conditions, measures of value, parity price concept, and price movements. *Prerequisite:* Ag Ec 201 or Econ 201 and 202, and permission of instructor.

MR. PETERSON

AG EC 459—RURAL COMMUNITY ORGANIZATION—3 cr. (3 and 0)

A study of the structure of rural society—what makes it function smoothly; what prevents it from performing in the manner which might be desired.

MR. BOYD

AG EC 460—AGRICULTURAL FINANCE—3 cr. (3 and 0)

A critical study of the financial needs of agriculture and of the organization, functions and interrelationships of agencies developed to meet these needs. *Prerequisite:* Ag Ec 201 or Econ 201 and Econ 202.

MR. FERRIER

## AG EC 501—ADVANCED FARM MANAGEMENT—3 cr. (2 and 3)

Study and appraisal of methods of assembling and analyzing information concerning the business of farming. *Prerequisite:* Ag Ec 302 and Ag Ec 401.

MR. HUSMANN

## AG EC 502—ADVANCED STATISTICS—3 cr. (2 and 3)

A study of methods used in collecting, analyzing and presenting statistical data, with special emphasis upon economic and sociological problems. *Prerequisite:* Ag Ec 401 or permission of instructor.

MR. PETERSON

## AG EC 503—LAND ECONOMICS—3 cr. (3 and 0)

A study of characteristics of land and its relation to population, utilization and public policies.

MR. HUSMANN

## AG EC 504—FARMERS' MOVEMENTS—3 cr. (3 and 0)

An examination of the efforts of farmers to organize for the improvement of agriculture and other rural concerns. Beginning with the first local agricultural society, the development of this movement is followed through the period of the Civil War. After 1865, the Grange, Farmers' Alliance, etc., are studied in their chronological order.

MR. BOYD

## AG EC 505—ECONOMIC THEORY—3 cr. (3 and 0)

A review of economic principles, a study of the use of theory in the analysis of economic problems, and an appraisal of recent developments in capitalistic economic theory.

MR. STEPP

## AG EC 506—RESEARCH METHODOLOGY—1 cr. (1 and 0)

A critical examination and appraisal of methods and procedures used in economic and social investigations.

MR. AULL

## AG EC. 507—AGRICULTURAL MARKETING PROBLEMS—3 cr. (3 and 0)

A study of special problems involved in marketing southern fruits,

vegetables, livestock and livestock products. Students will undertake individual assignments in the field of their interest.

MR. FERRIER

AG EC 509—RESEARCH IN ECONOMIC PROBLEMS AFFECTING AGRICULTURE—3 cr.

AG EC 510—A CONTINUATION OF AG EC 509—3 cr.

### AGRICULTURAL ENGINEERING

	MR. NUTT	
MR. MCADAMS	MR. ARD	MR. ROGERS
MR. RICHARDSON	MR. LAW	

AG EN 201—FARM MACHINERY—3 cr. (2 and 3)

Construction, adjustment, operation, maintenance and adaptation of farm machinery. Special emphasis is given to production, harvesting and processing problems common to the Southeast.

MR. RICHARDSON      MR. ARD      MR. ROGERS

AG EN 203—AGRICULTURAL ENGINEERING PROBLEMS—3 cr. (2 and 3)

A course in which the student acquires certain skills in the use of all types of tools and equipment necessary for the care and maintenance of farm machines and farm structures.

MR. MCADAMS      MR. ARD

AG EN 205—FARM MECHANICS—3 cr. (2 and 3)

To train students in the proper use and maintenance of hand shop tools commonly found on the farm. Principal topics: Measuring and marking, sawing, planing and smoothing, wood chisels and their use, boring and drilling holes, wood fastenings, painting, finishing, glazing, cutting rafters, sharpening tools, bench and vise work, bolt threading, pipe fitting, soldering and farm concrete work.

MR. MCADAMS

AG EN 301—SOIL CONSERVATION—3 cr. (2 and 3)

Causes, extent and control of erosion; uses of irrigation, layout, construction and maintenance of terrace systems; drainage, elementary surveying. A course for agricultural and vocational students.

MR. LAW

## AG EN 304—RURAL ELECTRIFICATION—3 cr. (2 and 3)

Distribution and utilization of electrical power on farms and rural areas. Special emphasis is given to adequate wiring and adaptation of electrical appliances to the farm home and in the production and primary processing of farm commodities. *Prerequisite:* E E 303.

MR. ARD

## AG EN 351—FARM TRACTORS—3 cr. (2 and 3)

History of the internal combustion engine, principles of operation, power and its measurements, valves, carburetion and fuel injection, ignition systems, engine cooling, clutches, transmissions, brakes, final drives, engine troubles and general repair. Tractor servicing and efficient operation in the field.

MR. McADAMS

## AG EN 401—SOIL AND WATER CONSERVATION ENGINEERING—3 cr. (2 and 3)

The causes, extent, and control of erosion. Embodies study of elementary meteorology and hydrology, critical runoffs, design and construction of water-control structures such as terraces, outlet channels, diversions, reservoirs, spillways, drainage systems. Recommended *prerequisite:* C E 101, Agron 202, and Mech 401.

MR. LAW

## AG EN 402—DRAINAGE AND IRRIGATION—3 cr. (2 and 3)

Survey of areas for drainage rainfall and runoff, drainage requirements, design and construction of open ditch and tile systems. Gravity and sprinkler irrigation systems studied as well as water requirements and the use of pumps. *Prerequisite:* C E 101 and Mech 401.

MR. LAW

## AG EN 406—ADVANCED FARM MACHINERY—3 cr. (2 and 3)

This course is designed for seniors majoring in agricultural engineering. Design, development, manufacturing, advertising and sales of farm machinery are considered. *Prerequisite:* Ag En 201 and 351.

MR. NUTT

## AG EN 409—AGRICULTURAL ENGINEERING SEMINAR—1 cr. (1 and 0)

This course is provided to acquaint the student with research technique in the agricultural engineering field. *Prerequisite:* Senior standing in Agricultural Engineering.

## AGRICULTURAL ENGINEERING STAFF

## AG EN 410—AGRICULTURAL ENGINEERING SEMINAR—1 cr. (1 and 0)

A continuation of Ag En 409.

## AGRICULTURAL ENGINEERING STAFF

## AG EN 451—FARM STRUCTURES—3 cr. (2 and 3)

This course is planned to develop within the student an appreciation and understanding of the problems involved in determining the functional requirements of farm structures for livestock, crop storage and processing, as well as the analysis and determination of structural requirements for various types of buildings. The use and workability of materials available for construction of farm buildings are also included. *Prerequisite:* M E 302 and 304.

MR. RICHARDSON

## AG EN 452—ADVANCED FARM STRUCTURES—3 cr. (2 and 3)

A continuation of Ag En 451 with emphasis on farmstead arrangement and layout, design and evaluation of farm structure requirements, bills of materials and specifications. *Prerequisite:* Ag En 451

MR. RICHARDSON

## AGRONOMY

	MR. COOPER	
MR. COLLINGS	MR. J. W. JONES	MR. SHELLEY
	MR. C. M. JONES	

## AGRON 101—FARM CROPS—3 cr. (3 and 0)

A fundamental course in general field crops including the study of the origin, botanical characteristics, varieties, breeding, soil adaptation, fertilizer requirements, and cultural methods employed in the production of the most important field crops of South Carolina and the United States.

MR. C. M. JONES

## ACRON 202—SOILS—3 cr. (2 and 3)

A study of the basic principles of soil physics, soil fertility, and soil biology as they apply to the production of crops. The course deals with the soil as a reservoir for water, a medium for root development, a source of nutrients, and a home for organisms. *Prerequisite:* Chem 101 and 102.

MR. COLLINGS AND STAFF

## ACRON 301—FERTILIZERS AND MANURES—3 cr. (3 and 0)

A study of the sources, mining and manufacturing, composition, physical characteristics, and use of fertilizers and manures. A detailed study is also made of crop responses to fertilizer use. *Prerequisite:* Agron 202

MR. COLLINGS

## ACRON 302—GENETICS—3 cr. (2 and 3)

The purpose of this course is to instruct students in the basic principles of genetics. The principal topics studied include heredity and variation, laws of inheritance, physical basis of inheritance, origin of hereditary differences, and the inheritance of quantitative characters.

MR. J. W. JONES

## ACRON 306—FORAGE CROPS—3 cr. (3 and 0)

A course dealing with the characteristics of the various forage crops, with emphasis being laid on those grown in this state. These crops are studied with special reference to their adaptations, growing, harvesting, composition, value and uses, and also with reference to their place in our cropping system. *Prerequisite:* Agron 101

MR. SHELLEY

## ACRON 401—ADVANCED CROP LABORATORY—1 cr. (0 and 3)

A study of the laboratory procedures used in field crop laboratories, followed by a detailed study of the morphological characters, classification, and yielding capacities of important varieties of various farm crops. In addition, attention is given to the study of seed laws, market grades of grains, seed germination and purity tests, and weed identification.

MR. SHELLEY

## AGRON 405—PLANT BREEDING—3 cr. (2 and 3)

The purpose of this course is to present the application of the basic principles of genetics to the improvement of crop plants. Principal topics studied include the genetic and cytogenetic bases of plant breeding, mode of reproduction in relation to breeding methods, technics in selfing and crossing, methods of breeding, inheritance in the major farm crops, and biometrical methods. *Prerequisite:* Agron 302

MR. J. W. JONES

## AGRON 409—COTTON AND TOBACCO—3 cr. (3 and 0)

A study of the history, morphology, physiology, fertilization, cultivation, insect and disease control, varieties, breeding, harvesting, grading and marketing of American Upland cotton and flue cured tobacco. The two crops are studied separately, about half a semester being devoted to each. *Prerequisite:* Agron 101

MR. SHELLEY

## AGRON 451—MINERAL NUTRITION OF PLANTS—2 cr. (2 and 0)

In this course attention is given to the nutrition of crop plants and the nutrient requirements of various soils for different crops.

MR. COOPER

## AGRON 452—SOIL CLASSIFICATION, FERTILITY, AND MANAGEMENT—2 cr. (2 and 0)

An advanced study of soil composition, soil classification, and soil management practices. Attention is given to the subject of physical and chemical composition of the soil, influence of crop rotations and fertilizers on soil productivity, influence of various methods of tillage on crop yields, and a general study is made of those factors essential for the practical utilization of soils. *Prerequisite:* Agron 202, Agron 301, and Major in Agronomy

MR. COLLINGS

## AGRON 454—ADVANCED SOIL LABORATORY—1 cr. (0 and 3)

A laboratory course designed to teach students laboratory technique and to make students proficient in making simple physical and chemical determinations of soils. *Prerequisite:* Agron 202

MR. COLLINGS

**AGRON 455—SEMINAR—1 cr. (1 and 0)**

A study of current agronomic topics of special interest in crop production appearing in recent scientific journals and other publications.

MR. COOPER AND STAFF

**AGRON 456—SEMINAR—1 cr. (1 and 0)**

A study of the latest published and available unpublished information concerning recent developments in the field of soil science. Topics for discussion are taken from latest published bulletins, reports, and professional magazines.

MR. COLLINGS

**AGRON 457—INTRODUCTION TO RESEARCH AND THESIS—1 cr. (0 and 3)**

The purpose of this course is to instruct students in the methods employed in attacking and solving an agronomic research problem. A suitable research problem is assigned each student for solution. The results of this study are presented in thesis form.

MR. COLLINGS

**AGRON 458—INTRODUCTION TO RESEARCH AND THESIS—1 cr. (0 and 3)**

A continuation of Agron 457.

MR. COLLINGS

**AGRON 501—ADVANCED NUTRITION OF CROPS—3 cr.**

A graduate course dealing with the relationships existing between the physical and chemical properties of the various nutrient elements and their absorption and utilization by plants.

MR. COOPER

**AGRON 502—ADVANCED PEDOLOGY AND SOIL CLASSIFICATION—3 cr.**

A graduate course dealing largely with the factors of soil formation and soil classification. A thorough study is made of such factors of soil formation as parent material, topography, climate, and organisms. Particular attention is given to the classification of Southeastern soils.

MR. COLLINGS

## AGRON 503—ADVANCED CROP PRODUCTION—3 cr.

A graduate course dealing with specific problems commonly encountered in the production of crops in the Southeast. Major attention is given to the problems met with in the production of cotton, bright tobacco, corn and oats.

MR. COLLINGS

## AGRON 504—ADVANCED PLANT BREEDING AND GENETICS—3 cr.

A graduate course designed to acquaint the student with the best methods now employed in the production and development of superior strains of plants. Visits will be made to neighboring plant breeding establishments and their methods will be observed.

MR. J. W. JONES

## AGRON 505—RESEARCH—3 cr.

A graduate course in research methods.

MR. COLLINGS

## AGRON 506—RESEARCH—3 cr.

A graduate course in research methods.

MR. COLLINGS

## ANIMAL HUSBANDRY

MR. STARKEY

\*MR. RITCHIE

\*MR. HAUSER

MR. RICHARDSON

MR. COOK

\*MR. GODLEY

MR. WHEELER

## A H 101, 103—TYPES AND BREEDS—3 cr. (2 and 3)

A study of types, breeds, and market classes of beef cattle, horses, sheep, and swine. In laboratory the judging of farm animals is given considerable emphasis.

MR. WHEELER

## A H 301—FEEDS AND FEEDING—3 cr. (3 and 0)

A study of feed nutrients, digestion, metabolism of feed stuffs, nutritive ratios, feeding standards, and the balancing of rations. *Prerequisite:* A H 101, 103 and Chem 220.

MR. COOK

---

\*On leave

## A H 303—FEEDS AND FEEDING LABORATORY—1 cr. (0 and 3)

Practical work in mixing and balancing rations and identifying feed stuffs. *Prerequisite:* A H 101, 103 and Chem 220

MR. COOK

## A H 306—JUDGING—1 cr. (0 and 3)

Judging classes of cattle, horses, sheep, and swine. An advanced course in the selection and judging of breeding and fat animals. *Prerequisite:* A H 101 and 103

MR. RICHARDSON

## A H 310, 314—PORK PRODUCTION—3 cr. (2 and 3)

Feeding, breeding, management, and marketing of hogs. Emphasis is placed on winter and summer forages, protein supplements, mineral mixtures, and sanitation. *Prerequisite:* A H 301

MR. STARKEY

## A H 312—BREEDS OF LIVESTOCK—2 cr. (2 and 0)

A study of the origin, characteristics, and adaptability of the different breeds of livestock: beef cattle, swine, sheep and horses. *Prerequisite:* A H 101 and 103

MR. COOK

## A H 401, 403—BEEF PRODUCTION—3 cr. (2 and 3)

A study of the early history of beef production, beef production in foreign countries, relation of beef production to general farming, most profitable feeds for beef production, methods of breeding to improve beef cattle, and management of the purebred herd. *Prerequisite:* A H 301

MR. STARKEY

## A H 402, 404—HORSE AND SHEEP PRODUCTION—4 cr. (3 and 3)

A study of the breeding, feeding, training, stabling, and care of horses. Also a study of the breeding, feeding, shearing, and marketing of sheep. The adaptability of breeds. Parasites and diseases. *Prerequisite:* A H 301

MR. RICHARDSON

## A H 405—ADVANCED JUDGING—1 cr. (0 and 3)

A continuation of A H 306 designed for students who are interested in participating in judging contests or in receiving special training in the selection of breeding stock. *Prerequisite:* A H 306

MR. RICHARDSON

## A H 406—SEMINAR—2 cr. (2 and 0)

Special problems in animal production. Each student is given a subject on which he makes weekly reports of progress before the seminar group. A thesis is required. *Prerequisite:* A H 301

MR. STARKEY

## A H 451—ADVANCED FEEDS—2 cr. (2 and 0)

A study of the relative values of the different feeds used in livestock production. The nutrient requirements of the different classes of livestock, and the digestible nutrients in our most common feeds. The balancing of rations for all classes of livestock. *Prerequisite:* A H 301

MR. STARKEY

## A H 452, 454—ANIMAL BREEDING—3 cr. (2 and 3)

A study of the fundamental principles relating to the breeding and improvement of livestock including variation, heredity, selection, line-breeding, inbreeding, cross-breeding, breed analysis, and other related subjects. *Prerequisite:* Dairy 301 or Agron 302

MR. RICHARDSON

## A H 455—FARM MEATS—2 cr. (0 and 6)

A study of the selection and killing of meat animals and the cutting, curing, and preservation of farm meats. Also the production, judging, and consumption of farm meats. *Prerequisite:* A H 101 and 103

MR. WHEELER

## A H 456, 458—ADVANCED MEATS—2 cr. (1 and 3)

A study of the retail and wholesale cuts of meat; the making of sausage and meat specialties; and meat hygiene. *Prerequisite:* A H 455

MR. WHEELER

## A H 501—ANIMAL HISTOLOGY—3 cr. (2 and 3)

This course is to acquaint the student with the microscopic structures of the tissues and organs of the animal body. The relation of histology to physiology and pathology is considered. *Prerequisite*: Zool 101 and 103

ANIMAL HUSBANDRY STAFF

## A H 502—ANIMAL HUSBANDRY RESEARCH—2 cr. (1 and 3)

Special problems conducted by the student, consisting of lectures, assignments, and laboratory.

MR. STARKEY

## ARCHITECTURE

MR. GATES

MR. SHAW

MR. LONGSTREET

MR. BOOKER

MR. ST. HUBERT

MR. McMILLIN

MR. McCULLOCH

MR. HODGE

MR. PETROFF

## ARCH 101—ELEMENTS OF DESIGN—3 cr. (0 and 9)

This course embraces the elements of Architecture, in which an effort is made to give the beginner an accurate picture of his chosen profession and basic training in drafting and design. Brief study of the Orders, elementary study of building plans and details, descriptive geometry, shades, shadows and perspective, and training in presentation of work are included. The student is given an opportunity to develop correct form and proportion by application of conventional shades, shadows and principles of perspective by drafting board practice in casting of shades and shadows on architectural forms and problems in architectural perspective.

MR. HODGE      MR. McCULLOCH

## ARCH 102—ARCHITECTURAL DESIGN—2 cr. (0 and 6)

This course is a continuation of Arch 101 planned to begin the development of a sound approach to creative design. In it students study and learn to integrate the elements of simple buildings and to present their solutions clearly and effectively by architectural renderings. *Prerequisite*: Arch 101

MR. HODGE      MR. McCULLOCH

## ARCH 105—FREEHAND DRAWING—1 cr. ( 0 and 3 )

To give the students a thorough working knowledge of the principles of freehand perspective, the perspective of circles and shading. Course includes study of mass, form, proportions and value with the mediums of pencil and charcoal. A sketching technique is stressed.

MR. HODGE

## ARCH 106—FREEHAND DRAWING—2 cr. ( 0 and 6 )

A continuation of Arch 105. Drawing and sketching in pencil and charcoal. Introduction to water color painting, the color wheel, washes and color study.

MR. HODGE

## ARCH 201—ARCHITECTURAL DESIGN—4 cr. ( 0 and 12 )

Design of simple building to develop in simplest term the basic elements of circulation, functional relationship of rooms and spaces and services, interior and exterior appearance. Development of vocabulary of form and of pencil indication through daily sketches. *Prerequisite:* Arch 102 and 106

MR. McCULLOCH

## ARCH 202—ARCHITECTURAL DESIGN—4 cr. ( 0 and 12 )

A continuation of Arch 201.

MR. McCULLOCH

## ARCH 205—ELEMENTARY RENDERING—1 cr. ( 0 and 3 )

To give thorough ground work in the presentation of architectural subjects related to design problems. Simple delineation will be stressed. *Prerequisite:* Arch 105.

MR. HODGE

## ARCH 206—ADVANCED RENDERING—1 cr. ( 0 and 3 )

A continuation of Arch 205.

MR. HODGE

**ARCH 209—HISTORY OF ARCHITECTURE—3 cr. (3 and 0)**

To acquaint the student with the development of architecture, from prehistoric to Romanesque time, as a problem both of construction and aesthetics. Influence of various geographic, geological, social, and psychological factors; structural problems and their solution, post and lintel, arch, vault, pendentive, dome; planning problems and their solution; temples, churches, public buildings; decorative problems and their solution, as revealed in the buildings of the Egyptian, Greek, Roman, Early Christian and Byzantine periods, are topics covered.

MR. ST. HUBERT

**ARCH 210—HISTORY OF ARCHITECTURE—3 cr. (3 and 0)**

A continuation of Arch 209. A study of the Romanesque period, its spread through western Europe as a system of building of great variety which preceded the organic Gothic of the Ile-de-France. The revival of classic form in Italy during the Renaissance, the spread of the Renaissance in England and France. *Prerequisite:* Arch 209

MR. ST. HUBERT

**ARCH 301—ARCHITECTURAL DESIGN—6 cr. (0 and 18)**

Problems involving planning, elevation and mass composition in Architecture. Work includes the planning of public buildings, with emphasis on function, studies in entourage, elements of landscape with relation to plan and elevation, interior architecture, indication and presentation sketch problems. *Prerequisite:* Arch 202

MR. PETROFF      MR. McMILLIN

**ARCH 302—ARCHITECTURAL DESIGN—6 cr. (0 and 18)**

A continuation of Arch 301.

MR. PETROFF      MR. McMILLIN

**ARCH 305—WATER COLOR—1 cr. (0 and 3)**

To acquaint the student with the fundamental principles. Brush drill, graded washes, value study, still life and outdoor sketching.

MR. HODGE      MR. PETROFF

**ARCH 306—ADVANCED WATER COLOR—1 cr. (0 and 3)**

A continuation of Arch 305.

MR. HODGE      MR. PETROFF

## ARCH 309—HISTORY OF ARCHITECTURE—2 cr. (2 and 0)

To acquaint the student with the development of Architecture from the Renaissance period in France and England to modern time, as a problem both of construction and aesthetics and with the influence of various geological, social and psychological factors. The topics covered are: First, the Colonial period; a summary in North American architecture followed by a thorough study of the same period in South Carolina. Second, the National period; Classicism, Romanticism, Romanesque phase, classical phase, Gothic phase, Functionalism, beginning and development of modern architecture. *Prerequisite:* Arch 210

MR. ST. HUBERT

## ARCH 315—BUILDING CONSTRUCTION—2 cr. (2 and 0)

To give the student a knowledge of materials used in building construction. The course is designed to trace the building material from its source as a raw material, through its manufacturing processes, and to its uses in the various types of buildings. Field inspection trips to manufacturing plants of building materials are a part of this course.

MR. BOOKER

## ARCH 316—BUILDING CONSTRUCTION—2 cr. (2 and 0)

To familiarize the student with the construction of the small frame dwelling. The course begins with the selection of the site and embraces all the necessary steps and methods of construction necessary for the completion of this type of construction. Inspection trips to observe dwellings under construction are a part of this course.

MR. BOOKER

## ARCH 317—WORKING DRAWINGS—2 cr. (1 and 3)

Drafting room practice. The student is required to make complete working drawings of a one story frame building.

MR. BOOKER

## ARCH 318—WORKING DRAWINGS—2 cr. (1 and 3)

Drafting room practice. The student is required to make complete working drawings of a two story brick veneer building.

MR. BOOKER

**ARCH 401—ARCHITECTURAL DESIGN—7 cr. (0 and 21)**

The designing of complex buildings, site and group planning; analysis and development of the plan and design problem from its most elemental to its final form; and sketch problems. *Prerequisite:* Arch 302.

MR. GATES      MR. SHAW

**ARCH 402—ARCHITECTURAL DESIGN—7 cr. (0 and 21)**

A continuation of Arch 401 to include advanced problems in design, elements of civic planning, composition of involved types of buildings or groups of building, housing, and landscaping.

MR. GATES      MR. SHAW

**ARCH 405—LIFE DRAWING—1 cr. (0 and 3)**

To acquaint the student with the proportion and anatomy of the nude and draped figure. A course designed primarily for architectural students. Quick sketches of the nude for action and movement, longer studies of the nude and draped figure for tone values, composition, and light effects using charcoal as a medium. *Prerequisite:* Arch 306

MR. HODGE      MR. PETROFF

**ARCH 406—ARCHITECTURAL MODELING—1 cr. (0 and 3)**

This course is designed to give the advanced student an opportunity for creative work in the field of model making. Scale models will be executed from working drawings for the study of mass, form, and typography.

MR. HODGE      MR. PETROFF

**ARCH 408—INDUSTRIAL DESIGN—1 cr. (0 and 3)**

To give the student the fundamentals in design of simple pieces of furniture as worked out on the drafting table. The student is given practice in making detail drawings of chairs, tables, metal work. *Prerequisite:* D D 106

MR. LONGSTREET

## ARCH 409—ART APPRECIATION—3 cr. (3 and 0)

To give the student a general idea of the field of art, to develop knowledge and taste through contact with the best examples. Principal topics covered are: Periods of styles of architecture, painting, sculpture, ornament, decorative and interior composition, furniture, given by lecture and lantern slides.

MR. ST. HUBERT

## ARCH 410—HISTORY OF ART—3 cr. (3 and 0)

A course designed to give a fuller understanding of changing attitudes toward art and life. The arts of the past and present days are studied in relation to the social and cultural mediums out of which they grew; completed by a brief analysis of modern eccentricity in art.

MR. ST. HUBERT

## ARCH 415—BUILDING DESIGN—2 cr. (2 and 0)

To give the student a working knowledge of reinforced concrete and steel structural systems. Course includes lectures accompanied by drafting in connection with the various structural details. Field trips to buildings of these types under construction are part of this course.

MR. LONGSTREET

## ARCH 416—SPECIFICATIONS—2 cr. (2 and 0)

To give the student a general knowledge of the organization and development of specifications, in relation to working drawings, as prepared in the practicing architect's office. Course includes a final specification as a term paper.

MR. LONGSTREET

## ARCH 417—WORKING DRAWINGS—2 cr. (0 and 6)

Drafting room practice. The student is required to make a complete set of architectural working drawings of reinforced concrete or steel framed building as prepared in the practicing architect's office.

MR. LONGSTREET

## ARCH 418—WORKING DRAWINGS AND DETAILS—2 cr. (0 and 6)

A continuation of Arch 417 with emphasis on the addition of details such as door and window details, wall sections, and details of other parts of the building.

MR. LONGSTREET

## ARCH 419—MECHANICAL PLANT—2 cr. (2 and 0)

To familiarize the student with the design and requirements of heating, lighting and sanitary systems in a building. Layout of hot air, hot water, and steam systems of heating; ventilation, electric lighting and plumbing for supply and drainage are required on drawings made in Arch 316 and 416. *Prerequisite:* Registration in Arch 415

MR. LONGSTREET

## ARCH 420—PROFESSIONAL PRACTICE—1 cr. (1 and 0)

To familiarize the student with methods of practice of architecture and inculcate in him the high ethical ideals of the profession. Office management and organization, laws, codes, contracts, ethics, competitions, and documents of the American Institute of Architects are studied with emphasis on the business side of architecture.

MR. LONGSTREET

## ARCH 425—BUILDING DESIGN—2 cr. (2 and 0)

To give the student a working knowledge of reinforced concrete and steel structural systems. Course includes lectures accompanied by drafting in connection with the various structural details. Field trips to buildings of these types under construction are part of this course.

MR. LONGSTREET

## ARCH 426—SPECIFICATIONS—2 cr. (2 and 0)

To give the student a general knowledge of the organization and development of specifications, in relation to working drawings, as prepared in the practicing architect's office. Course includes a final specification as a term paper.

MR. LONGSTREET

## ARCH 427—WORKING DRAWINGS—4 cr. (1 and 9)

Drafting room practice. The student is required to make a complete set of architectural working drawings of reinforced concrete or steel framed building as prepared in the practicing architect's office.

MR. LONGSTREET

## ARCH 428—WORKING DRAWINGS AND DETAILS—4 cr. (1 and 9)

A continuation of Arch 427 with emphasis on the addition of details such as door and window details, wall sections, and details of other parts of the building.

MR. LONGSTREET

## ARCH 431—ARCHITECTURAL DESIGN—8 cr. (0 and 24)

A continuation of Arch 402 with more advanced work, continued research and study. *Prerequisite:* Arch 402

MR. GATES

## ARCH 432—ARCHITECTURAL DESIGN—8 cr. (0 and 24)

A continuation of Arch 431. Thesis required. The student writes his own program of the project. Complete design and working drawings required.

MR. GATES

## ARCH 435—SEMINAR—1 cr. (0 and 3)

A course offered for the purpose of training prospective architects in assembling and presenting before the faculty formal papers and discussions of architectural interest.

STAFF

## ARCH 436—SEMINAR—1 cr. (0 and 3)

A continuation of Arch 435.

STAFF

## ARCH 439—HISTORY OF ARCHITECTURE—3 cr. (3 and 0)

To give the student an insight into the future of the profession which lies in the field of organic town design. The architecture of tomorrow is based on the fundamental fact that architecture is a social and organic art form with the aim of creating about men a culturally healthy environment.

MR. ST. HUBERT

**ARCH 440—HISTORY OF ARCHITECTURE—3 cr. (3 and 0)**

A continuation of Arch 439. To lead the student to perceive the whole of man's physical accommodation from the intimacy of the room to the very complex problem of the large metropolis, and learn to express by means of architectural language the way in which we live today in our homes, villages, towns and cities; to develop student's initiative. *Prerequisite:* Arch 439.

MR. ST. HUBERT

**ARCH 445—BUILDING DESIGN—1 cr. (0 and 3)**

Design of structural elements in the drafting room, entailing the use of reinforced concrete and steel in modern building construction. *Prerequisite:* Arch 415

MR. LONGSTREET

**ARCH 446—BUILDING DESIGN—1 cr. (0 and 3)**

A continuation of work in Arch 445. *Prerequisite:* Arch 445

MR. LONGSTREET

**ARCH 447—CITY PLANNING—3 cr. (1 and 6)**

Lectures and discussions, covering the history of town and city planning in Europe and America and a survey of the basic problems of present day planning. Problems of housing in urban and regional planning are worked on the drafting board.

MR. GATES

**ARCH 448—CITY PLANNING—3 cr. (1 and 6)**

A continuation of Arch 447.

MR. GATES

**BACTERIOLOGY**

MR. RUSH

MR. VAN ESELTINE

**BACT 301, 303—GENERAL BACTERIOLOGY—4 cr. (3 and 3)**

Morphology, classification, distribution, cultivation, observation, and physiology of microorganisms; effects of organisms on their environment; microorganisms and health. *Prerequisite:* Bot 101, 103; Chem 101, 102

MR. RUSH

MR. VAN ESELTINE

## BACT 402, 404—DAIRY BACTERIOLOGY—3 cr. (2 and 3)

Bacterial counts on milk, milk fermentations, contamination of milk and cream, reducing the contamination of milk, growth of microorganisms in milk and cream, spread of diseases through milk and its derivatives; preservation of milk and cream, bacteriology of prepared milks, ice cream, butter cultures, fermented milks, butter, cheese, tests for the quality of milk and cream. *Prerequisite:* Bact. 301 and 303

MR. RUSH      MR. VAN ESELTINE

## BACT 406, 408—SANITARY BACTERIOLOGY—4 cr. (3 and 3)

This course is designed primarily for Engineering students. After a consideration of the fundamentals of bacteriology, the course is designed to give a knowledge of the relation of bacteriology to water purification and sewage disposal. *Prerequisite:* Chem 101 and 102

MR. RUSH      MR. VAN ESELTINE

## BACT 410, 412—SOIL MICROBIOLOGY—3 cr. (2 and 3)

The role of microbes in the decomposition of organic substances, transformation of nitrogen, transformation of mineral substances in soil by the action of microorganisms, interrelationships between higher plants and soil microorganisms, modification of the soil population, importance of microbes in soil fertility. *Prerequisite:* Bact 301 and 303

MR. RUSH      MR. VAN ESELTINE

## BOTANY

	MR. ARMSTRONG	
MR. ROSENKRANS	MR. MATHEWS	MR. WHITNEY
	MR. RUTLEDGE	

## BOT 101, 103—GENERAL BOTANY—4 cr. (3 and 3)

The first part of the semester is devoted to a study of the form, structure, and physiology of the higher plants, followed by a study of algae, bacteria, fungi, liverworts, mosses, and ferns, with the application of the biological laws. Descriptions, life histories and adaptation of the representative organisms are considered.

MR. ROSENKRANS    MR. MATHEWS    MR. RUTLEDGE    MR. WHITNEY

## BOT 351, 353—PLANT MORPHOLOGY—4 cr. (2 and 6)

A study of the structure of vegetative and reproductive parts of plants representing most of the major groups except the fungi. Most of the time is spent on the higher vascular plants. *Prerequisite:* Bot 101 and 103

MR. RUTLEDGE

## BOT 352, 354—PLANT PHYSIOLOGY—4 cr. (3 and 3)

A study of all the relations and processes which have to do with the maintenance, growth, and reproduction of plants. Principal topics are absorption of matter and energy, water relations of the plant, utilization of reserve products and liberation of energy, growth, movement and reproduction. *Prerequisite*: Bot 101 and 103; Chem 101 and 102; Phys 201 and 203 or Phys 211 and 213

MR. WHITNEY

## BOT 355—HISTOLOGY—2 cr. (0 and 6)

This course gives the student a knowledge of the principles of fixing, cutting, and staining plant tissues and the various other processes of micro-technique as well as their application to specific forms of plants. *Prerequisite*: Bot 101 and 103; Chem 101 and 102

MR. ROSENKRANS

## BOT 356, 358—TAXONOMY—3 cr. (1 and 6)

The identification, classification, distribution, and interrelationship of flowering plants with particular emphasis on the flora of South Carolina. Laboratory work includes a study of native trees and shrubs in winter condition, the collection and identification of local plants, and the preparation of a small herbarium. *Prerequisite*: Bot 101 and 103

## BOT 401, 403—PLANT PATHOLOGY—3 cr. (2 and 3)

To acquaint the student with the major plant diseases of the South, symptoms of the diseases, the nature of the causal agencies or factors, and methods of control. *Prerequisite*: Bot 101 and 103

MR. ARMSTRONG

MR. MATHEWS

## BOT 402, 404—ECONOMIC BOTANY—3 cr. (2 and 3)

A study of plants and plant products and their relationship to human history and contemporary life. Sources of plant products, especially those outside the scope of courses in Agronomy and Horticulture, such as woods, resins, tanning materials, rubber, textiles, cereals, sugar, oils, fruits, spices, beverages and drugs. Library research, periodic reports, and the examination of special material replace formal laboratory work. *Prerequisite*: Bot 101 and 103. Other students who present evidence of good scholarship may elect.

## BOT 405—SEMINAR AND THESIS—2 cr. (1 and 3)

MR. ARMSTRONG

## BOT 406—SEMINAR AND THESIS—2 cr. (1 and 3)

MR. ARMSTRONG

## BOT 451, 453—MORPHOLOGY OF THE FUNGI—3 cr. (2 and 3)

A course to acquaint the student with the morphology and taxonomy of the fungi through lectures, reports, laboratory work, and field trips. Special attention is devoted to practice in the methods of pure culture as they apply to the different saprophytic and parasitic forms. *Prerequisite:* Bot 101, 103; Bot 401, 403.

MR. MATHEWS

## BOT 452, 454—ECOLOGY—4 cr. (2 and 6)

A study of the fundamental principles of the relations between plants and environmental conditions. Special attention is given to ecological relationships and problems in this region. *Prerequisite:* Bot 101, 103

MR. RUTLEDGE

## BOT 501—METHODS OF RESEARCH IN PLANT PHYSIOLOGY—3 cr. (2 and 3)

A theoretical and practical study of methods used in investigations of physiological processes and the factors influencing those processes. Topics include sand and solution culture methods, measurement and control of soil water content, atmospheric humidity and radiant energy, and determinations of osmotic quantities, hydrogen ion concentration, and metabolic processes. *Prerequisite:* Bot 352, 354; Chem 101, 102; Phys 201, 202, 203, 204

MR. WHITNEY

## BOT 503—ADVANCED PLANT PATHOLOGY—4 cr. (3 and 3)

An advanced study including epiphytology and etiology of diseases of plants, nature of parasitism and resistance and training in laboratory methods. *Prerequisite:* Bot 401, 403

MR. ARMSTRONG

## CERAMIC ENGINEERING

MR. ROBINSON

## CR EN 202—CERAMIC MATERIALS—2 cr. (2 and 0)

A study of the occurrence, mining, and properties of clays and ceramic minerals. *Prerequisite:* Geol 406

CR EN 301—THE DRYING AND FIRING OF CERAMIC PRODUCTS—5 cr. (3 and 6)

A study of the theory, equipment and control of the drying and firing processes. *Prerequisite*: Cr En 202, Phys 212 and 214

CR EN 303—CERAMIC PRODUCTS—2 cr. (2 and 0)

This course is intended as an elective course for architects, architectural, chemical, civil, electrical, and mechanical engineers to acquaint them with the various ceramic products used in their professions. The properties of such products as structural, refractories, electrical insulators and the ceramic components of internal combustion engines are included in this course.

CR EN 401—SILICATES—5 cr. (3 and 6)

A study of the fundamental principles underlying the composition and production of whitewares, glazes, glasses, cements and abrasives. A comprehensive study of ceramic calculations and their application to the preparation of ceramic bodies is included together with the theory and applications of temperature measuring equipment. *Prerequisite*: Cr En 301

CR EN 402—REFRACTORIES—3 cr. (3 and 0)

A study of refractory materials, the manufacture of refractory products, and the use of refractories in industrial furnaces. *Prerequisite*: Cr En 401

CR EN 404—ENAMELS—3 cr. (3 and 0)

A study of the raw materials, methods of manufacture, and properties of porcelain enamel coatings for metals. *Prerequisite*: Cr En 401

CR EN 405—PLANT DESIGN—3 cr. (0 and 9)

The application of the fundamentals of ceramic engineering to specific problems in plant design. *Prerequisite*: Senior Standing in Ceramic Engineering.

CR EN 406—CERAMIC PROJECT—2 cr. (0 and 6)

The completion of an original research into a ceramic problem. *Prerequisite*: Cr En 401

CR EN 408—PLANT DESIGN—2 cr. (0 and 6)

A continuation of Cr En 405. *Prerequisite*: Cr En 401

## CHEMICAL ENGINEERING

MR. BERNE-ALLEN

MR. LITTLEJOHN

CH EN 202—INTRODUCTION TO CHEMICAL ENGINEERING—3 cr. (3 and 0)

This course introduces English units for engineering calculations, dimensional analysis, chemical engineering methods of calculation, and the fundamental principles of fluid flow and fluid transportation. *Prerequisite:* Second-semester Sophomore standing in Chemical Engineering.

CH EN 301—PRINCIPLES OF CHEMICAL ENGINEERING—3 cr. (3 and 0)

An introduction to the general principles of Chemical Engineering and a study of the following unit operations: Fluid Flow, Heat Transmission and Evaporation. Special emphasis is placed on theory and its practical application. This is accomplished through the presentation of comprehensive calculations. *Prerequisite:* Junior standing in Chemical Engineering.

MR. BERNE-ALLEN

CH EN 302—PRINCIPLES OF CHEMICAL ENGINEERING—3 cr. (3 and 0)

A study of the following unit operations based on diffusion: Humidification and Air Conditioning, Drying and Distillation. Special attention is given to theories involved and practical applications thereof. Theory is correlated with practice by the solution of comprehensive problems. *Prerequisite:* Ch En 301

MR. LITTLEJOHN

CH EN 305—UNIT OPERATIONS—1 cr. (0 and 3)

A laboratory course dealing with subjects covered in Ch En 301 in which theory is related to practical application by actual operation of equipment and the preparation of technical reports thereon. *Prerequisite:* Junior standing in Chemical Engineering.

MR. BERNE-ALLEN

CH EN 306—UNIT OPERATIONS—1 cr. (0 and 3)

A laboratory course dealing with subjects covered in Ch En 302 in which theory is related to practical application by actual operation of equipment. Stress is laid on writing of technical reports. *Prerequisite:* Ch En 305

MR. LITTLEJOHN

## CH EN 401—PRINCIPLES OF CHEMICAL ENGINEERING—3 cr. (3 and 0)

A study of the following unit operations: Gas Absorption and Solvent Extraction, Filtration, Crystallization, Mixing, Conveying, Size Reduction and Size Separation. Special emphasis is placed on theory and its practical application. Theory is related to practice by solution of comprehensive problems. *Prerequisite:* Ch En 301 and 302

MR. LITTLEJOHN

## CH EN 403—CHEMICAL INDUSTRIES—3 cr. (3 and 0)

A study of various chemical industries. Economics and the interrelation of unit operations and unit processes are considered. Attention is given to the dependence of each industry on the chemical field as a whole. *Prerequisite:* Senior standing in Chemical Engineering.

MR. BERNE-ALLEN

## CH EN 404—CHEMICAL INDUSTRIES—3 cr. (3 and 0)

A continuation of Ch En 403. *Prerequisite:* Ch En 403

MR. BERNE-ALLEN

## CH EN 405—UNIT OPERATIONS—2 cr. (0 and 6)

A laboratory course dealing with subjects covered in Ch En 401 in which theory is related to practice by actual operation of equipment. Stress is laid on writing of technical reports. *Prerequisite:* Ch En 306

MR. LITTLEJOHN

## CH EN 406—INDUSTRIAL CHEMICAL CALCULATIONS—2 cr. (2 and 0)

A course in the solution of stoichiometric problems on the plant scale. *Prerequisite:* Ch En 301 and 302

MR. BERNE-ALLEN

## CH EN 409—PLANT DESIGN—2 cr. (0 and 6)

A detailed study of the design of a chemical plant involving such factors as process to be employed, equipment selection, specification writing and cost accounting, and plant location. *Prerequisite:* Senior standing in Chemical Engineering.

MR. LITTLEJOHN

## CH EN 410—PLANT DESIGN—2 cr. (0 and 6)

A continuation of Ch En 409. *Prerequisite:* Ch En 409

MR. LITTLEJOHN

## CH EN 412—THESIS—3 cr. (0 and 9)

The solution of a research problem in Chemical Engineering chosen by the student. A written report is required in which special emphasis is laid upon originality of thought, method of attack, discussion of results and conclusions. *Prerequisite:* Senior standing in Chemical Engineering

MR. BERNE-ALLEN      MR. LITTLEJOHN

## CH EN 415—CHEMICAL ENGINEERING SEMINAR—0 cr. (1 and 0)

A discussion period for exchange of ideas between students and instructors. Current problems and new trends in theoretical and practical chemical engineering are discussed. *Prerequisite:* Senior standing in Chemical Engineering.

MR. BERNE-ALLEN      MR. LITTLEJOHN

## CH EN 416—CHEMICAL ENGINEERING SEMINAR—0 cr. (1 and 0)

A continuation of Ch En 415. *Prerequisite:* Ch En 415

MR. BERNE-ALLEN      MR. LITTLEJOHN

## CHEMISTRY

MR. HUNTER

MR. CARODEMOS	MR. BROWNLEY	MR. EVANS
MR. MITCHELL	MR. DINWIDDIE	MR. GILLESPIE
MR. POLLARD	MR. HOBSON	MR. GRANT
MR. POLK	MR. HODGES	MR. SALLEY
MR. SCHIRMER	MR. MAULDIN	
	MR. DUKES	

## CHEM 101—GENERAL CHEMISTRY—4 cr. (3 and 3)

To give the student a general knowledge of the fundamentals of the science of chemistry through lectures, lecture experiments, and laboratory exercises. Consideration is given to the common substances.

MR. POLK AND STAFF

## CHEM 102—GENERAL CHEMISTRY—4 cr. (3 and 3)

A continuation of Chem 101.

MR. HUNTER AND STAFF

## CHEM 103—GENERAL CHEMISTRY—4 cr. (3 and 3)

This course is required of students majoring in Chemistry, Chemical Engineering, Textile Chemistry or Pre-Medicine. It is similar to Chem 101, except that it gives a more thorough covering of those fundamentals which are necessary for advanced work in Chemistry.

MR. BROWNLEY AND STAFF

## CHEM 104—GENERAL CHEMISTRY—4 cr. (3 and 3)

A continuation of Chem 103.

MR. BROWNLEY AND STAFF

## CHEM 211—QUALITATIVE ANALYSIS—3 cr. (1 and 6)

A course in Qualitative Analysis, designed especially for pre-medical students, which is essentially the same as Chem 215 except that the theoretical principles are developed in less detail. Greater emphasis is placed on those principles more likely to be encountered in medical work. *Prerequisite*: Chem 101 and 102, or 103 and 104.

MR. SCHIRMER

## CHEM 212—QUANTITATIVE ANALYSIS—3 cr. (1 and 6)

A course in Quantitative Analysis, designed especially for pre-medical students, which is essentially the same as Chem 216 except that the theoretical principles are developed in less detail. Greater emphasis, both in theory and laboratory work, is placed on those analyses which are more applicable to medical work. *Prerequisite*: Chem 211 or 215.

MR. SCHIRMER

## CHEM 215—QUALITATIVE ANALYSIS—4 cr. (2 and 6)

A study of the fundamental principles of Qualitative Analysis and their application in the systematic separation and identification of the common cations and anions in the laboratory. The topics discussed are: chemical equilibrium and the law of mass action, solution and ionization, solubility product, hydrolysis and complex ions. *Prerequisite*: Chem 101 and 102, or 103 and 104.

MR. SCHIRMER

## CHEM 216—QUANTITATIVE ANALYSIS—4 cr. (2 and 6)

A study of the fundamental principles of Quantitative Analysis and their application in the analysis of unknown mixtures in the laboratory. Standard volumetric and gravimetric procedures are employed. *Prerequisite:* Chem 215.

MR. SCHIRMER

## CHEM 220—ORGANIC CHEMISTRY—4 cr. (3 and 3)

A study of fundamentals of organic chemistry which will aid the student of agriculture to understand the various biochemical reactions which are involved in the study of plant and animal nutrition. *Prerequisite:* Chem 101 and 102.

MR. MAULDIN

## CHEM 221—ELEMENTARY ORGANIC CHEMISTRY—5 cr. (3 and 6)

A thorough study of the aliphatic compounds with special emphasis upon structural characteristics of the various classes. In the laboratory, typical compounds are prepared in which techniques, purity and yield are stressed. *Prerequisite:* Chem 101 and 102, or 103 and 104.

MR. CARODEMOS      MR. DINWIDDIE

## CHEM 222—ELEMENTARY ORGANIC CHEMISTRY—5 cr. (3 and 6)

The alicyclic, heterocyclic, and aromatic compounds are thoroughly studied. Typical members of these series of compounds are synthesized in the laboratory in which technique, purity and yield are stressed. *Prerequisite:* Chem 221.

MR. CARODEMOS      MR. DINWIDDIE

## CHEM 312—GAS AND FUEL ANALYSIS—3 cr. (1 and 6)

A study of the composition and combustion of solid, liquid and gaseous fuels, and of the products of combustion. The laboratory work consists of analyses of solid and gaseous fuels, calorimetry, and testing of fuel and lubricating oils. *Prerequisite:* Chem 101 and 102, or 103 and 104.

MR. BROWNLEY

## CHEM 321—QUALITATIVE ORGANIC ANALYSIS—4 cr. (2 and 6)

The systematic identification of pure organic compounds and mixtures.

MR. DINWIDDIE

## CHEM 331—PHYSICAL CHEMISTRY—3 cr. (3 and 0)

A study of the theories and behavior of gases, liquids, solids and solutions. *Prerequisite*: Math 203 and 204, Chem 212 or 216, Chem 221 (may be taken at the same time).

MR. POLLARD

## CHEM 332—PHYSICAL CHEMISTRY—3 cr. (3 and 0)

A continuation of Chem 331, including the study of chemical equilibrium, the phase rule, chemical kinetics and elementary electrochemistry.

MR. POLLARD

## CHEM 333—PHYSICAL CHEMISTRY LABORATORY—2 cr. (0 and 6)

Laboratory course to accompany Chem 331. Experimental studies of the physico-chemical behavior of gases, liquids, solids and solutions.

MR. HOBSON

## CHEM 334—PHYSICAL CHEMISTRY LABORATORY—2 cr. (0 and 6)

A continuation of Chem 333 to accompany Chem 332. Studies of chemical equilibria, reaction rates, phase systems and electrochemical measurements.

MR. HOBSON

## CHEM 336—PHYSICAL CHEMISTRY—5 cr. (3 and 6)

A study of the theories and behavior of gases, liquids, solids and solutions as related to the ceramic industry.

## CHEM 401—INORGANIC CHEMISTRY—3 cr. (3 and 0)

A comprehensive survey of the field of inorganic chemistry through lectures and lecture experiments. Development of modern theories of atomic structure and valence, and a detailed study of the elements and their compounds, based on the periodic system and including both well known and rarer elements. *Prerequisite*: Chem 212 or 216. *Suggested*: Chem 331 and 332.

MR. SCHIRMER

**CHEM 402—ADVANCED INORGANIC CHEMISTRY—3 cr. (3 and 0)**

A continuation of Chem 401.

MR. SCHIRMER

**CHEM 411—ADVANCED QUANTITATIVE ANALYSIS—3 cr. (1 and 6)**

This course involves gravimetric and colorimetric analysis including complete analysis of limestones and silicates, and a partial analysis of coal, pig iron and steel. Also, the quantitative analysis of alloys using electro-metric separation in some cases. The determination of certain important elements of ores, as sulfur, manganese, nickel, chromium and phosphorus. Instrumental analysis involving the use of photoelectric colorimeters, spectrophotometers, titrimeters and other instruments. *Prerequisite:* Chem 212 or 216.

MR. MITCHELL

**CHEM 431—COLLOID CHEMISTRY—2 cr. (2 and 0)**

The general characteristics of the colloidal state and surface phenomena including surface tension, adsorption and contact catalysis. *Prerequisite:* Chem 331 and 332.

MR. POLLARD

**CHEM 432—COLLOID CHEMISTRY—2 cr. (2 and 0)**

A continuation of Chem 431 including the preparation of colloidal solutions, gels and jellies, foams, fogs, emulsions and smokes.

MR. POLLARD

**CHEM 441—GLASS MANIPULATION—2 cr. (0 and 6)**

A course designed to teach the fundamentals of glass manipulation and its application to the construction and repair of simple laboratory apparatus. *Prerequisite:* Senior Standing.

MR. SCHIRMER

**CHEM 442—CHEMICAL LITERATURE—2 cr. (1 and 3)**

This course is designed to give the student practice in the use of chemical literature, the writing of technical reports and the presentation of same before the faculty of the School of Chemistry. *Prerequisite:* Senior Standing in Chemistry.

CHEMISTRY STAFF

## CHEM 443—RESEARCH PROBLEMS—3 cr. (0 and 9)

Original investigation of an assigned problem in a fundamental branch of Chemistry. This work must be carried out under the supervision of a qualified member of the staff. *Prerequisite*: Senior Standing in Chemistry.

CHEMISTRY STAFF

## CHEM 444—RESEARCH PROBLEMS—3 cr. (0 and 9)

A continuation of Chem 443.

CHEMISTRY STAFF

## CHEM 454—INORGANIC SYNTHESIS—2 cr. (0 and 6)

A laboratory course designed to acquaint the student with various methods and techniques employed in the preparation and handling of inorganic compounds. *Prerequisite*: Chem 401

MR. SCHIRMER

## CHEM 462—TECHNICAL ANALYSIS—3 cr. (1 and 6)

This course is planned to give training and experience in the analysis of many industrial products including fertilizer analysis, organic and mineral analysis of feeding materials, complete water analysis, both mineral and sanitary and the chemical and optical analysis of sugar products. Assays of some of the vitamins include the use of photoelectric colorimeters and fluorophotometers. *Prerequisite*: Chem 411

MR. MITCHELL

## CHEM 472—ORGANIC SYNTHESIS—4 cr. (1 and 9)

A review and more intensive study of representative classes of organic compounds. In this course reference is made to the current literature from which the student prepares reports and abstracts. The laboratory work consists of synthesis of more complex compounds. In this course the student is introduced to the methods of consulting Beilstein's "Handbuch der organischen chemie." *Prerequisite*: Chem 321 and Ger 102

MR. CARODEMOS

## CHEM 481—PHASE EQUILIBRIA—2 cr. (2 and 0)

A study of the application of the Phase Rule to systems of two, three and four components, including its practical application to chemical operations and processes, metals, alloys and minerals.

MR. POLLARD

## CHEM 482—CHEMICAL THERMODYNAMICS—3 cr. (3 and 0)

This course is designed to present basic concepts of the fundamental thermodynamic quantities and their relationships as expressed by the three laws of thermodynamics. A working knowledge of these laws and their correlative functions, as applied to chemical processes, will be given the student.

MR. HOBSON

## CHEM 484—COLLOID CHEMISTRY LABORATORY—2 cr. (0 and 6)

Preparation and study of colloidal systems. *Prerequisite:* Chem 431

MR. POLLARD

## CHEM 501—ADVANCED INORGANIC CHEMISTRY—3 cr. (3 and 0)

A study of atomic, crystal and molecular structure and its relationship to Inorganic Chemistry. *Prerequisites:* Chem 401 and 402

MR. SCHIRMER

## CHEM 511—OPTICAL METHODS—3 cr. (1 and 6)

A study of optical methods as used in the field of chemistry with especial emphasis on the use of the microscope, spectroscope and related instruments. *Prerequisites:* Chem 401, 402 and 411

MR. HUNTER

## CHEM 520—BIOCHEMICAL ASPECTS OF ORGANIC CHEMISTRY—2 cr. (2 and 0)

Discussion of natural products, including vitamins, hormones, etc. *Prerequisites:* Chem 321 and 331

MR. CARODEMOS

## CHEM 521—ADVANCED ORGANIC CHEMISTRY—3 cr. (3 and 0)

The object of this course is to give a general survey of organic chemistry with special attention on the general type of organic reactions and important processes. The lectures are supplemented by assigned problems and reports on current organic literature which are discussed during a weekly conference hour. *Prerequisite:* Chem 321

MR. CARODEMOS

## CHEM 522—ADVANCED ORGANIC CHEMISTRY—3 cr. (3 and 0)

A continuation of Chem 521.

MR. CARODEMOS

## CHEM 523—QUANTITATIVE ORGANIC ANALYSIS—2 cr. (0 and 6)

This course is designed to train the organic chemist, and particularly the research worker, in the techniques and theory of quantitative determinations of various groups and elements occurring in organic compounds. Semimicro methods using 10 to 25 mg. samples are stressed. It is primarily a laboratory course with occasional lectures for consideration of the theoretical aspects of the procedures employed. *Prerequisites:* Chem 321 and 411

MR. CARODEMOS

## CHEM 524—QUANTITATIVE ORGANIC ANALYSIS—2 cr. (0 and 6)

A continuation of Chem 523.

MR. CARODEMOS

## CHEM 531—SELECTED TOPICS IN PHYSICAL CHEMISTRY—2 cr. (2 and 0)

An advanced course covering special phases of Physical Chemistry such as recent advances in the theory of solutions, chemical kinetics, catalysis and phase equilibrium. *Prerequisites:* Chem 331 and 332

MR. POLLARD

## CHEM 543—RESEARCH PROBLEMS—3 cr. (0 and 9)

Original investigation of an assigned problem in a fundamental branch of chemistry. This work must be carried out under the supervision of a qualified member of the staff.

CHEMISTRY STAFF

## CHEM 544—RESEARCH PROBLEMS—3 cr. (0 and 9)

A continuation of Chem 543.

CHEMISTRY STAFF

## CIVIL ENGINEERING

•  
Mr. CLARKE

MR. H. E. GLENN	MR. J. D. GLENN	MR. MOSS
*MR. NORMAN	MR. ROSTRON	MR. RABE
MR. TRIVELY	MR. FORD	

## C E 101—ELEMENTARY SURVEYING—2 cr. (1 and 3)

An introductory course given to all Engineering freshmen. This course comprises field and office computations involving the use of the tape, transit, level and leveling rod; the making of simple surveys; running levels, making profiles, and computing cuts and fills.

MR. ROSTRON      MR. RABE      MR. MOSS

## C E 201—SURVEYING—2 cr. (2 and 0)

A detailed study of the construction of all surveying instruments, and methods of adjusting same; a comprehensive consideration of the mathematical principles involved in making surveys: computations involved in computing and subdividing areas. *Prerequisites:* Math 103, C E 101, D D 105 and 106

MR. MOSS

## C E 202—SURVEYING—2 cr. (2 and 0)

This is a continuation of C E 201, and comprises the application of surveying principles to the various phases of surveying problems, including land surveying, topographic surveying, route surveying, mine surveying and hydrographic surveying. This course includes sufficient elementary astronomy for making solar or stellar observations for the determination of Azimuth and Time. *Prerequisite:* C E 201

MR. CLARKE

## C E 203—TOPOGRAPHIC SURVEYING AND MAPPING—1 cr. (0 and 3)

The field and office work necessary to make a complete topographic map, including contours, of a prescribed area. *Prerequisite:* C E 101, Math 103, D D 105 and 106

MR. MOSS

---

\*On leave.

## C E 205—CIVIL ENGINEERING PROBLEMS—2 cr. (1 and 3)

This course, designed to familiarize the student with simple problems in civil engineering, includes a review of the applications of trigonometric functions and logarithms, and a study of graphs, tables, and the slide rule. Some emphasis is given to a systematic analysis of problems and a neat and orderly arrangement of computations. *Prerequisites:* Math 103, Math 104 and registration in Phys 211

MR. RABE

## C E 300—SUMMER SURVEYING CAMP

## C E 305—ROUTE SURVEYING—3 cr. (3 and 0)

A study of the special problems which arise in connection with the location of a route for a railroad, highway, canal, sewer, water main or transmission line; the theory of simple, compound, and reversed curves; parabolic curves, transition spiral, vertical, curves, railroad turnouts; computations of earthwork. *Prerequisite:* C E 201, 202 and 203

MR. CLARKE

## C E 306—ROADS AND PAVEMENTS—4 cr. (3 and 3)

Theory and practice in design, location, construction and maintenance of low cost, intermediate, and high type, road surfaces. Highway economics and administration. Study of factors relating to highway construction methods and materials. *Prerequisites:* Phys 211 and C E 305

MR. ROSTRON

## C E 309—STRESS ANALYSIS—2 cr. (0 and 6)

The computation of stresses in statically determinate structures. *Prerequisite:* Mech 302

MR. RABE

## C E 310—ELEMENTARY DESIGN—2 cr. (0 and 6)

The computation of the stress in truss members and girders; the design of structural parts and their connections. *Prerequisite:* C E 309 and Mech 304

MR. J. D. GLENN

## C E 319—GENERAL PHOTOGRAMMETRY—3 cr. (2 and 3)

An introduction to the fundamentals of mapping by use of aerial photographs. A study of the characteristics and uses of aerial photographs, detailed interpretation and simple photogrammetric instruments such as the stereocomparagraph. Practice in use of simple mapping instruments, problems in scale determination, construction of photomosaics. *Prerequisite:* C E 203

MR. ROBINSON

## C E 401—STRUCTURAL DESIGN—3 cr. (2 and 3)

The computation of stresses, and the detailed design of a steel highway bridge. *Prerequisite:* C E 310

MR. TRIVELY

## C E 402—STRUCTURAL ANALYSIS—2 cr. (2 and 0)

Analysis of statically indeterminate structures by the method of moment distribution. *Prerequisite:* C E 401

MR. TRIVELY

## C E 405—ROAD MATERIALS TESTING LABORATORY—1 cr. (0 and 3)

A study of the physical properties of non-bituminous construction materials, and the standard tests for determining these properties. *Prerequisites:* Mech 302 and 304

MR. FORD

## C E 406—ROAD MATERIALS TESTING LABORATORY—1 cr. (0 and 3)

A study of the physical properties of bituminous construction materials, and the standard tests for determining these properties. *Prerequisite:* Mech 302 and 304

MR. FORD

## C E 409—REINFORCED CONCRETE STRUCTURES—4 cr. (3 and 3)

Study of mechanics of reinforced concrete, beams, slabs, columns and footings. Designs and estimates of concrete structures. *Prerequisite:* Mech 304 and 306

MR. TRIVELY      MR. FORD      MR. J. D. GLENN

## C E 410—MUNICIPAL AND SANITARY ENGINEERING—5 cr. (5 and 0)

A study of the procedure necessary to supply an adequate amount of potable water for public or private purposes; and the design and construction of sewerage systems and sewage treatment plants. *Prerequisite:* Mech 401

MR. CLARKE

## C E 412—REINFORCED CONCRETE DESIGN—2 cr. (0 and 6)

The complete analysis and design of a reinforced concrete bridge or building. *Prerequisite:* C E 409

MR. TRIVELY

## C E 415—SOIL MECHANICS—3 cr. (2 and 3)

Study of mechanical and physical properties of soils and their relation to soil action in problems of engineering, such as classification, permeability, shearing strength, consolidation, stress distribution and bearing capacity of soils. *Prerequisite:* Mech 304

MR. ROSTRON

## C E 416—CONTRACTS—2 cr. (2 and 0)

A study of the legal requirements and principles involved in the construction problems which confront the civil engineer.

MR. CLARKE

## C E 417—CITY PLANNING—2 cr. (2 and 0)

A study of the special problems, confronting a city engineer, which are not specifically of an engineering nature, but for the solution of which the public looks to the city officials; viz. street systems, traffic control, parking facilities, railroad and water traffic problems, airports, parks and play-grounds and zoning; legal problems involved.

MR. CLARKE

## C E 419—MATERIALS AND METHODS OF CONSTRUCTION—3 cr. (3 and 0)

This course is intended to familiarize the student with the common materials and technical terms used in construction and the ways in which the materials are used.

MR. CLARKE

## C E 452—ADVANCED STRUCTURAL ANALYSIS—2 cr. (2 and 0)

The study of secondary stresses in structures and the deflection of structures. *Prerequisite:* C E 401

MR. TRIVELY

## C E 501—ADVANCED STRUCTURAL ENGINEERING—3 cr. (2 and 3)

Analysis of statically indeterminate structures including secondary stresses and rigid frames.

## C E 502—ADVANCED STRUCTURAL ENGINEERING—3 cr. (2 and 3)

A continuation of C E 501.

## C E 510—HIGHWAY SAFETY AND TRAFFIC CONTROL—3 or 2 cr. (3 and 0) or (2 and 0)

Study of highway safety principles affecting the design of city streets and rural highways, devices for controlling highway traffic and related subjects, and design of traffic signal systems. *Prerequisite:* C E 306

## C E 511—HIGHWAY DESIGN—3 cr. (2 and 3)

Studies of economics of highway grades, location, alignment and road surfaces, and factors that control highway planning. *Prerequisite:* C E 306

## C E 519—RESEARCH—2 to 4 cr.

Independent investigation of some problems in highway engineering.

## C E 520—CONCRETE MIXES AND MATERIALS—3 cr. (2 and 3)

Properties and factors controlling properties of concrete; investigation and selection of materials; mixes and design of mixes; inspection, field laboratory facilities and reports; concrete manufacture; handling, placing and curing; special types; sonic method of testing. *Prerequisite:* C E 405

## C E 531—SOIL ENGINEERING—3 cr. (2 and 3)

Shearing resistance, consolidation, settlement, displacement and compaction, pile supporting strength, application of principles to earthwork, foundations and highway problems. *Prerequisite:* C E 415

## DAIRY DEPARTMENT

MR. GOODALE  
MR. KING

MR. LAMASTER  
MR. BRANNON  
MR. HURST

MR. BREAZEALE

## DAIRY 201—INTRODUCTORY DAIRYING—3 cr. (2 and 3)

A course designed to give a practical working knowledge of dairy husbandry and dairy products. Studies include history of dairying, dairy breeds, feeds and feeding, judging dairy animals, dairy farm buildings, quality milk production, testing milk and some of its products, the manufacture of milk products, and the value of milk and milk products.

MR. BREAZEALE

## DAIRY 301—GENETICS—3 cr. (2 and 3)

A study of the principles of heredity and variation with special reference to their application to the animal kingdom. Some of the topics covered are Mendel's Law, physical basis of inheritance, chromosome theory, linkage, expression and interaction of factors, origin of hereditary differences, inheritance of quantitative characters, and biometric methods. *Prerequisite:* Junior standing

MR. LAMASTER

## DAIRY 302—DAIRY TECHNOLOGY AND ENGINEERING—3 cr. (2 and 3)

The chemical and physical properties of milk and milk products are studied in the classroom and laboratory as they apply to the processing of dairy products. Some of the dairy engineering subjects studied are: Heat measurement, transfer and control; power transmission, electrical power and equipment, hydraulics and pumping, steam and its use in the dairy, refrigeration, insulation, heaters and coolers, ice cream equipment, homogenizers, pasteurizing equipment, evaporating and drying equipment, washing and sterilizing equipment, fillers, equipment maintenance, general mechanics, and dairy plant design and layout. *Prerequisite:* Junior standing

MR. GOODALE

## DAIRY 305—DAIRY CATTLE JUDGING—1 cr. (0 and 3)

Students are given an understanding of dairy form, breed type, and relations between form and function of dairy cattle. Emphasis is placed on the score card, show ring requirements and classifications, fitting dairy cattle for show and sale, values as influenced by form, buying dairy cattle.

practice in judging Brown Swiss, Guernsey, Holstein, and Jersey cattle of all ages. *Prerequisite*: Junior standing

MR. BRANNON

DAIRY 306—MARKET MILK—3 cr. (3 and 0)

To give a comprehensive understanding of the care and handling of market milk, the following subjects are studied: History and development of the market milk industry, composition of milk and its properties, micro-organisms, enzymes and cells of milk and cream, milk and public health, safeguarding the milk supply, sanitary production of market milk, construction and arrangement of buildings (farm and station), transportation of milk, flavors of milk, construction and arrangement of city milk plants, milk plant operation, pasteurization of milk, cooling systems, creaming, separation, special milk products, business management, the dairy laboratory, dairy mathematics. *Prerequisite*: Dairy 201

MR. GOODALE

DAIRY 309—ANIMAL NUTRITION—3 cr. (3 and 0)

A chemical and physiological treatment of digestion, absorption and metabolism of nutrients. The physiology of and nutritional requirements for body maintenance, growth, reproduction and lactation of dairy cattle. *Prerequisite*: Chemistry 220

MR. KING

DAIRY 352—ADVERTISING AND MARKETING—3 cr. (3 and 0)

To give fundamentals in important fields of sales and marketing, the following topics are studied: Evolution of advertising, advertising allied with journalism, rise of national advertising, social aspects of advertising, advertisers' policies and objectives, modern advertising procedure, marketing research, names, trade marks, packages, psychology of selling, incentives to attention, incentives to interest, establishing associations, building the advertisement, substance of advertising copy, typography, illustrations and color, layout and visualization, advertising program, advertising production, media, radio advertising. *Prerequisite*: Junior standing

MR. GOODALE

DAIRY 354—ENDOCRINOLOGY—3 cr. (3 and 0)

This course includes a study of the anatomy and physiology of the glands of internal secretion. The chemistry of the hormones will be con-

sidered. Emphasis will be placed on the relationship of the endocrine glands to growth, reproduction, and lactation. *Prerequisite:* Junior standing

MR. HURST

DAIRY 401—DAIRY MANUFACTURES—3 cr. (2 and 3)

A thorough study is made of the manufacture of creamery butter, and the processing of soft cheeses. Some of the topics covered are: History of buttermaking, care of cream on the farm, buying and grading cream, inspection and testing methods, neutralization, pasteurization, starters and ripening, churning, and all subsequent processes until butter is ready for market, composition control, butter scoring, butter storage, marketing butter, refrigeration and sanitation. Studies are conducted on complete processing methods for common varieties of soft cheeses. *Prerequisite:* Dairy 201 and 302

MR. GOODALE

DAIRY 402—DAIRY MANUFACTURES—4 cr. (2 and 6)

A study of ice cream manufacture and related problems of producing condensed and powdered milks. Some subjects covered are: History of ice cream making, classification of frozen products, composition, ingredients used, standardization of mixes, processing mixes, testing, freezing, whipping defects in ice cream, packaging, hardening, shipping sugars, egg products, stabilizers, chocolate products, vanillas, fruits, ices, sherbets, specials, costs and merchandising, ice cream as a food, and bacteriology of ice cream. *Prerequisite:* Dairy 201 and 302

MR. GOODALE

DAIRY 405—DAIRY CATTLE BREEDING—3 cr. (2 and 3)

The student is given an understanding of the methods used in developing and improving the breeds of cattle. Principal topics are: breed history, advanced register, pedigrees, methods of indexing proved sires, statistical study of the relations of environment to production. *Prerequisite:* Genetics

MR. LAMASTER

DAIRY 409—DAIRY SEMINAR—2 cr. (2 and 0)

Special research problems in production and manufactures are studied. Individual topics not fully covered in class work are assigned for special reports before class and Dairy Staff. *Prerequisite:* Senior standing

DAIRY STAFF

## DAIRY 410—DAIRY SEMINAR—2 cr. (2 and 0)

This course is a continuation of Dairy 409 with emphasis on current research literature. Each student is required to conduct a research project in production or manufactures and report the exposition of the results by thesis. *Prerequisite:* Senior standing

DAIRY STAFF

## DAIRY 452—DAIRY CATTLE FEEDING AND MANAGEMENT—3 cr. (2 and 3)

This course gives the fundamental principles in the care, feeding, and management of dairy cattle of all ages. Principal topics include: general considerations in selecting a breed, selecting the individual cow, calf raising, growth and development, raising dairy heifers, care and management of the milking herd, milking factors, feeding for milk production, stables for cows, dairy barn equipment and handling manure. *Prerequisite:* Senior standing

MR. LAMASTER

## DRAWING AND DESIGNING

	MR. SHIGLEY	
MR. BRADBURY	MR. BANISTER	MR. HUGHES
MR. McHUGH	MR. CARTER	

## D D 101—FREEHAND DRAWING—1 cr. (0 and 3)

A study of the principles of technical sketching, including the development of skills in technical lettering and freehand drawing.

DRAWING STAFF

## D D 102—TECHNICAL DRAWING—1 cr. (0 and 3)

A study of the elementary principles of multi-view projection with emphasis upon the reading of technical drawings rather than upon their execution. *Prerequisite:* D D 101

DRAWING STAFF

## D D 105—ENGINEERING DRAWING—2 cr. (0 and 6)

A comprehensive study of the language of the engineer. The course includes lettering, use of instruments, technical sketching, multi-view drawing, auxiliary projection, sectional views, dimensioning, fasteners, pipe drawings, and simple detail and assembly drawings.

DRAWING STAFF

## D D 106—ENGINEERING DRAWING—2 cr. (0 and 6)

A continuation of D D 105. The course includes detail and assembly drawings, welding drawings, pictorial drawings, simple problems involving the point, line, and plane in descriptive geometry, structural drawing, developments and intersections, jigs and fixtures, and simple problems in cams and related motions. *Prerequisite*: D D 105

DRAWING STAFF

## D D 205—APPLIED DESCRIPTIVE GEOMETRY—3 cr. (2 and 3)

A study of the theory of orthographic projection and its application to the graphical solution of three-dimensional space problems. A wide variety of practical problems are solved including problems dealing with points, lines, planes, single curved surfaces, and double curved surfaces. *Prerequisite*: D D 106

DRAWING STAFF

## D D 305—KINEMATICS OF MACHINES—2 cr. (1 and 3)

A study of cams, linkages, and related mechanisms. The determination of velocities and accelerations in simple machines. A comprehensive study of toothed gearing, simple and planetary gear trains and miscellaneous mechanisms. *Prerequisite*: D D 106. Must parallel or follow M E 303.

MR. SHIGLEY      MR. BRADBURY      MR. MCHUGH

## D D 306—MACHINE DESIGN—2 cr. (1 and 3)

A study of the various "factors" which influence the design engineer's decision upon the size, material, or shape of a machine part, and its location in a machine. Review of materials and processes from the standpoint of design. The design of various machine elements. A selected group of laboratory problems to bring out the student's judgment, initiative, and ingenuity, and to unite all his previous experience and studies and focus them towards the solution of each problem. *Prerequisite*: D D 305. Must parallel or follow Mech 304.

MR. SHIGLEY      MR. BRADBURY      MR. MCHUGH

## D D 460—MECHANICAL VIBRATIONS—3 cr. (3 and 0)

A study of mechanical vibrations with emphasis upon the solution of practical problems in the design and construction of machinery and structures. The study will include free vibrations with and without damping;

forced vibrations; systems of one, two, and many degrees of freedom; Poy-leigh's method applied to linear vibrations; Halzer's method applied to torsional vibrations; equivalent systems; measuring instruments; absorbers and dampers; the seismograph; self-excited vibrations; non-linear systems.  
*Prerequisites:* Mech 303 and 304

MR. SHIGLEY

#### D D 461—PHOTOELASTICITY LABORATORY—1 cr. (0 and 3)

A selected group of laboratory problems in photoelastic stress analysis.  
*Prerequisites:* Mech 304 and Math 204

### ECONOMICS

MR. BURTNER

MR. BIGGS

MR. TUTTLE

\*MR. LANDER

MR. SMITH

MR. WOOD

MR. TREVILLIAN

#### ECON 201—PRINCIPLES OF ECONOMICS—3 cr. (3 and 0)

This course, with its continuation, Econ 202, furnishes a basic introduction to the science of economics. Beginning with an examination of fundamental concepts, the course deals with principles of production and exchange, business organization and combination, and principles of money, banking and credit. Special emphasis is given to current economic problems.

ECONOMICS STAFF

#### ECON 202—PRINCIPLES OF ECONOMICS—3 cr. (3 and 0)

Continuation of Econ 201 with special attention to the distribution of national income, value and price, foreign trade and exchange, economic problems of government such as taxation and government spending. Comparison is made of the economic structures of capitalism, socialism and communism. Consideration is given to current economic problems. *Prerequisite:* Econ 201

ECONOMICS STAFF

#### ECON 301—LABOR PROBLEMS—3 cr. (3 and 0)

Studies in the development of present day labor conflict and causes of industrial unrest. An analytical survey is made of such aspects as unemployment, low wages, industrial accidents and diseases, intervention of the State in behalf of the worker and the status of the worker in

\*On leave.

modern industrial society. Trade unionism and collective bargaining are contrasted with state legislation as devices for dealing with these problems. *Prerequisite:* Econ 201 and 202

MR. SMITH

#### ECON 302—MONEY AND BANKING—3 cr. (3 and 0)

A survey of the financial organization of society. Consideration of monetary systems, foreign exchange, credit instruments and principal types of financial institutions. Problems of credit control, monetary stabilization, banking regulation and reform are given special emphasis. *Prerequisite:* Econ 201 and 202

MR. WOOD

#### ECON 312—COMMERCIAL LAW—3 cr. (3 and 0)

An introduction to law in its application to business. Special emphasis is given to legal principles and court opinions relating to contracts, personal property, negotiable instruments and related topics. *Prerequisite:* Junior standing

MR. SMITH

#### ECON 401—ELEMENTARY ACCOUNTING—3 cr. (3 and 0)

Practice in handling real and nominal accounts, together with an introduction to the use of various types of books of original entry, statements of profit and loss, and balance sheets. The work of the course will consist of lectures and problems. *Prerequisite:* Econ 201 and Junior standing

MR. TREVILLIAN

### EDUCATION

	MR. WASHINGTON	
MR. BOOKER	MR. WHITE	MR. KIRKLEY
MR. BROCK	MR. BOWEN	MR. MCGARITY
MR. MONROE	MR. GENTRY	MR. STRIBLING

#### EDUC 101—ORIENTATION—1 cr. (1 and 0)

The purpose of this course is to aid the freshman in adjusting himself to the college environment and his course of study.

MR. WASHINGTON

## EDUC 301—INTRODUCTION TO EDUCATION—3 cr. (3 and 0)

This course includes the principles of Education, the aims, purposes, and objectives of Vocational Education; and the basic principles underlying the development of programs of instruction for the various groups of farm people.

MR. KIRKLEY

## EDUC 302—EDUCATIONAL PSYCHOLOGY—3 cr. (3 and 0)

A study of the nature, capacities and equipment of the learner, the role of the environment, the nature and promotion of learning, the growth and maturity of personality and the evaluation of progress in education.

MR. STRIBLING

## EDUC 305—PRINCIPLES OF SECONDARY EDUCATION—3 cr. (3 and 0)

A study is made of characteristics and needs of general and vocational education, characteristics of learning, knowledge and thinking ability, motor, moral, and appreciative reactions, choice of subjects and activities, influence of age, maturity, and individual differences, methods of teaching, appraising results of education.

MR. WASHINGTON

## EDUC 307—INDUSTRIAL EDUCATION LABORATORY—2 cr. (0 and 6)

The purpose of this course is to develop an industrial background for the teacher who is to have charge of a comprehensive industrial program in a community where an effort is being made to train young men and adult industrial workers in the individual skills of productive employment in industrial occupations. This includes woodworking, painting, metal working, and drafting, and also the interplay of skills between these as adapted to teaching situations.

MR. BROCK

## EDUC 308—INDUSTRIAL EDUCATION LABORATORY—2 cr. (0 and 6)

The student is required to select his projects, furnish materials, make preliminary plans and sketches for them, and have these approved by the instructor. At the completion of each project in the laboratory the student is carefully examined concerning the work he has done.

MR. BROCK

## EDUC 309—RURAL AND VILLAGE SCHOOL PROBLEMS—3 cr. (3 and 0)

This course is designed to introduce the student to the problems facing the teacher in rural and small town schools, and from this to determine the

qualifications necessary for a successful teacher. A study is made of correlation of the curriculum with the desirable social trends in agricultural and industrial communities, the summer session, transportation problems, and the special qualifications of teachers.

MR. WHITE

EDUC 331—OBSERVATION OF INDUSTRIAL TEACHING—1 cr. (0 and 3)

This course is designed to give the student a practical acquaintance with the duties of the industrial arts teacher, teacher of trade and industrial subjects, and coordinator of diversified occupations programs.

MR. BROCK      MR. GENTRY

EDUC 332—ORGANIZATION OF TRADE AND INDUSTRIAL COURSES OF STUDY—3 cr. (3 and 0)

A study is made of purpose, scope, and use of job analysis in writing courses of study, writing and using instruction sheets for teaching, constructing achievement tests in industrial subjects. The student is required to select some industrial subject and write a course of study based upon analyses of jobs covered under that subject. Prospective teachers are urged to select subjects which they expect to teach later.

MR. BROCK

EDUC 401—METHODS IN AGRICULTURAL EDUCATION—3 cr. (3 and 0)

In this course, problems in teaching vocational agriculture in high school teaching are considered. Some of the problems are as follows: organizing the teaching program; planning the course of study; making lesson plans; conducting field trips; farm shop work; Future Farmer work; supervised practice programs; and visual aids.

MR. MONROE

EDUC 402—DIRECTED TEACHING IN TRADE AND INDUSTRIAL SUBJECT—6 cr. (1 and 15)

A study is made of organizing class, selection of teaching materials, planning work, discipline, teaching methods, examinations and grading, cooperation with school personnel, records and reports, inventories, and upkeep of equipment. Each student teacher periodically is given an opportunity to teach some industrial subject. During his teaching period, he is responsible for his class just as if he were an employed teacher of that subject, including conforming to the high school schedule and registration period.

MR. BROCK

## EDUC 403—DIRECTED TEACHING: ALL-DAY CLASSES—3 cr. (0 and 9)

The purpose of this course is to develop the ability of prospective teachers to organize courses in vocational agriculture based on community farm problems, and practices, to conduct classes in accordance with sound educational principles of teaching, to gain experience in teaching, and to develop confidence in themselves as teachers. During the course, opportunity is given to observe and teach in nearby high school departments of vocational agriculture, under the supervision of the local teacher and a member of the agricultural education faculty. *Prerequisite:* This course should be taken concurrently with Educ 401.

AGRICULTURAL EDUCATION STAFF

## EDUC 404—DIRECTED TEACHING: ADULT GROUPS—3 cr. (0 and 9)

This course should be taken concurrently with Educ 402. In it farmers' practices are secured and evaluated, pertinent information organized and taught. The supervision of the improvement of the farming practices of adult or special groups of farmers is given careful consideration, as well as teaching farmers to secure and use the cannery, shop and other community services.

AGRICULTURAL EDUCATION STAFF

## EDUC 412—DIRECTED TEACHING IN HIGH SCHOOL SUBJECTS—6 cr. (1 and 15)

Supervised practice teaching is given in general science, chemistry, mathematics, civics, etc., in order to develop skill in the best methods of teaching these subjects. (Enrollment is by individual approval and may be dependent upon observing the high school schedule including registration, etc.) A study is made of selection of subject matter, planning work, methods of teaching, examinations, grading, discipline, cooperation with school personnel, records, and reports.

MR. GENTRY

## EDUC 415—ADMINISTRATION OF VOCATIONAL AND OTHER SCHOOLS—3 cr. (3 and 0)

A course to acquaint the prospective teacher with modern administration technique in public education. Topics covered include: The public school curriculum, the administration of vocational departments, the duties of the principal and his relationship to the school board. Attention is also given to certain legal phases of school administration.

## EDUC 421—COORDINATION METHODS IN VOCATIONAL EDUCATION—2 cr. (2 and 0)

A study is made of the major occupations in the United States and in

South Carolina in order that prospective teachers may become informed as to possibilities in them and more intelligently give guidance to high school students. A survey is made of the youth problem, employment trends, general industrial conditions, kind of men industries want, survey of industrial plants, testing for mechanical aptitude, organizing occupations course in high school.

MR. BOOKER

EDUC 422—PROBLEMS IN ADULT EDUCATION—3 cr. (3 and 0)

This course should be taken concurrently with Educ 404. Determining the needs, securing and organizing necessary instructional material, planning lessons; teaching and supervising adult farmers or special groups receive major emphasis. The use of surveys, visual aids, publicity, school canneries, shop and other community services is included.

MR. BOWEN

EDUC 424—TECHNIQUE OF TEACHING—3 cr. (3 and 0)

The purpose of this course is to acquaint the prospective teacher with the most significant problems in trade and industrial teaching, to propose solutions for these problems consistent with most authoritative information available. The principal topics covered are shop planning; organizing classes; selection of equipment and tools; ways of securing materials and supplies for school shop; introducing, financing, and advertising a shop program; methods of teaching; and discipline.

MR. GENTRY

EDUC 497—AUDIO-VISUAL AIDS IN EDUCATION—3 cr. (3 and 0)

The purpose of this course is to provide opportunities for study and use of moving pictures, film strips, cameras, photographs, charts, maps, globes, recording and sound devices, x-rays, radio, and other devices for preparing material and for teaching.

MR. BROCK

EDUC 505—OCCUPATIONAL GUIDANCE AND PLACEMENT—3 cr. (3 and 0)

The organization and administration of a guidance program for schools of all sizes. A careful analysis is made of methods of interviewing students and counseling techniques involved in guidance. Data are collected on placement and follow-up work. A careful study is made of the needs for guidance in communities near the College.

MR. MONROE

## EDUC 506—HISTORY AND PHILOSOPHY OF EDUCATION—3 cr. (3 and 0)

This course attempts to study the development of education over the different periods of civilization beginning with Athenian education and tracing the educational movements through the different periods of history with emphasis being placed upon the development of education in the United States. With each period studied attention is first directed to the central features of the social order, to the dominant ideology, to the social structure, the classes of economic interest, and to the sources of political power, and the formation of political institutions and social arrangements. Educational policies and practices and newer philosophy of American education are given detailed attention.

MR. BOOKER

## EDUC 508—EDUCATIONAL TESTS AND MEASUREMENTS—3 cr. (3 and 0)

A study of improved methods and techniques which may be used in the measurement of intelligence, specific aptitudes, and achievement. A survey is made of standardized tests, the sources from which they may be secured, and the purposes which may serve in classification and/or instruction of students. Emphasis is given to the construction of informal tests of achievement, and to the administration and interpretation of standardized group tests. Practice is provided in the use of standardized tests. The relationship of time and motion studies to industrial operations is considered.

MR. GENTRY

## EDUC 550—RESEARCH IN AGRICULTURAL EDUCATION—3 cr. (3 and 0)

The purpose of this course is for the student to study and conduct research, organize data, study forms and methods of recording research, reports, and to actually write and present the instructor and later to the Graduate Committee a thesis.

MR. WHITE

## EDUC 551—RESEARCH IN AGRICULTURAL EDUCATION—3 cr. (3 and 0)

A continuation of Educ 550.

MR. WHITE

## EDUC 552—RESEARCH IN EDUCATION—3 cr. (3 and 0)

The purpose of this course is for the student to study and conduct research, organize data, study forms and methods of recording research, re-

ports, and to actually write and present to the instructor and later to the Graduate Committee a thesis.

MR. GENTRY

EDUC 553—RESEARCH IN EDUCATION—3 cr. (3 and 0)

A continuation of Educ 552.

MR. GENTRY

EDUC 554—RESEARCH IN INDUSTRIAL EDUCATION—3 cr. (3 and 0)

The purpose of this course is for the student to study and conduct research, organize data, study forms and methods of recording research, reports, and to actually write and present to the instructor and later to the Graduate Committee a thesis.

MR. BROCK

EDUC 555—RESEARCH IN INDUSTRIAL EDUCATION—3 cr. (3 and 0)

A continuation of Educ 554.

MR. BROCK

### ELECTRICAL ENGINEERING

	MR. RHODES	
MR. TINGLEY	MR. GILES	MR. JONES
MR. HALLMARK	MR. GOODIN	MR. KERSEY
MR. BECKER	MR. MANN	*MR. LONG
MR. BEYER	MR. POE	MR. MARTIN
	MR. ADAMS	

E E 211—ELECTRIC CIRCUITS—3 cr. (3 and 0)

An introductory course in fundamental theory of electric and magnetic circuits with illustrative applications to electrical apparatus. *Prerequisite:* Enrollment in Math 203 and Phys 212 and 214

MR. MANN      MR. JONES

E E 212—ELECTRIC FIELDS—3 cr. (2 and 3)

A continuation of E E 211 embracing the study of electromagnetic

---

\*On leave

and dielectric fields and simple transients. Contains a correlated laboratory course. *Prerequisite*: E E 211; Phys 212, 214; and enrollment in Math 204

MR. RHODES      MR. MANN

E E 303—ELECTRIC CIRCUITS AND MACHINES—4 cr. (3 and 3)

An elementary course in circuits and machines and their applications in industry. Planned for Civil Engineering, Agricultural Engineering and Industrial Education students. *Prerequisite*: All mathematics and physics courses listed in the respective curricula in which E E 303 is required.

MR. JONES      MR. MARTIN

E E 304—VOCATIONAL ELECTRICITY—2 cr. (1 and 3)

A brief course designed to assist Industrial Education students in planning electrical courses for high school students. *Prerequisite*: E E 303

MR. JONES

E E 307—DIRECT-CURRENTS AND MACHINES—4 cr. (3 and 3)

Fundamental theory of direct-currents and machines with special emphasis on operating characteristics and industrial applications. *Prerequisite*: Math 203, and 204; Phys 211, 212, 213, and 214

MR. GOODIN      MR. KERSEY

E E 308—ALTERNATING-CURRENT CIRCUITS AND MACHINES—4 cr. (3 and 3)

A continuation of E E 307 designed for a similar study of alternating-currents and machines with typical industrial applications. *Prerequisite*: E E 307

MR. POE

E E 311—DIRECT-CURRENT MACHINERY—4 cr. (3 and 3)

The theory, construction, and operating characteristics of direct generators, motors and control equipment, accompanied by a coordinated series of laboratory tests. *Prerequisite*: E E 211 and 212

MR. GOODIN      MR. KERSEY

## E E 315—ALTERNATING-CURRENT CIRCUITS—3 cr. (3 and 0)

A comprehensive study of alternating-current fundamentals. Use of the vector algebra method of solution of circuit problems. *Prerequisite:* E E 211 and 212

MR. ADAMS

## E E 316—ALTERNATING-CURRENT CIRCUITS—4 cr. (3 and 3)

A continuation of E E 315 including the solution of problems involving non-sinusoidal currents, coupled circuits and balanced and unbalanced polyphase systems. Coordinated laboratory experiments included. *Prerequisite:* E E 315

MR. ADAMS

## E E 320—ELECTRONICS—4 cr. (3 and 3)

An introduction to electron tubes and circuits. Embraces thermionic emission, vacuum and gas filled tubes, photo-sensitive devices, cathode-ray tubes and rectifiers. Includes laboratory investigations and demonstrations. *Prerequisite:* E E 315; and enrollment in E E 316

MR. HALLMARK      MR. MARTIN

## E E 405—ELECTRICAL DESIGN—1 cr. (0 and 3)

The application of fundamental principles of electric and magnetic circuits through a series of design problems correlating with direct-current and alternating-current machinery courses. *Prerequisite:* E E 311, and enrollment in E E 411

MR. RHODES

## E E 406—ELECTRICAL DESIGN—1 cr. (0 and 3)

A continuation of E E 405 with specific application to synchronous and induction machinery problems. *Prerequisite:* E E 411

MR. RHODES

## E E 411—ALTERNATING-CURRENT MACHINERY—5 cr. (3 and 6)

The application of fundamental circuit theory to alternating-current machinery. Study of the construction, theory, and operating characteristics of transformers and synchronous generators and motors. *Prerequisite:* E E 316

MR. BEYER      MR. GILES

## E E 412—ALTERNATING-CURRENT MACHINERY—4 cr. (3 and 3)

A continuation of E E 411 covering the theory, operating characteristics and industrial applications of induction motors, converters, and the principal types of commutator motors. *Prerequisite:* E E 411

MR. RHODES      MR. TINGLEY      MR. POE

## E E 415—ADVANCED CIRCUITS—3 cr. (3 and 0)

A continuation of E E 315 and E E 316 embracing studies of transmission line calculations, electric filters, symmetrical components and power short-circuit calculations. *Prerequisite:* E E 316

MR. BECKER      MR. BEYER

## E E 422—ELECTRIC DISTRIBUTION—2 cr. (2 and 0)

Technical and economic features of local wiring systems; city and rural distribution; control and protective equipment. Includes reference studies. *Prerequisite:* E E 316; and enrollment in E E 411

MR. GILES

## E E 426—ELECTRIC TRANSIENTS—3 cr. (2 and 3)

A course, largely experimental, covering physical phenomena and mathematical analysis of electric circuits and machines in transient state. Open to a limited number of advanced Electrical Engineering students. *Prerequisite:* E E 316, Math 306 and enrollment in E E 411

MR. TINGLEY

## E E 427—ADVANCED A.C. MACHINERY—3 cr. (3 and 0)

Supplementary to E E 411 and E E 412 and covering special and more complex features of alternating equipment. Planned for Electrical Engineering students electing Electric Power engineering. *Prerequisite:* E E 411; and enrollment in E E 412

MR. RHODES

**E E 431—RADIO COMMUNICATION—4 cr. (3 and 3)**

A study of the component circuits involved in radio communication systems; audio and radio frequency amplifiers, detectors, oscillators, amplitude modulation systems, power supplies and transmitter and receiver circuits. *Prerequisite:* E E 316, E E 320 and enrollment in E E 415

MR. HALLMARK      MR. BECKER

**E E 432—RADIO COMMUNICATION—4 cr. (3 and 3)**

A continuation of E E 431. Includes frequency modulation, antennas and radio frequency transmission lines, ultra high frequency oscillators and detectors, and elementary acoustics and sound systems. *Prerequisite:* E E 431

MR. HALLMARK

**E E 433—INDUSTRIAL ELECTRONICS—3 cr. (2 and 3)**

A course embracing the theory and applications of electronic equipment especially designed for industrial applications with special emphasis given to the study of rectifiers, high frequency heating, welding controls, x-ray analysis, speed and voltage regulators, synchronizers, timers, etc. *Prerequisite:* E E 320 and E E 411

MR. TINGLEY

**E E 436—RADIATION AND WAVE PROPAGATION—3 cr. (3 and 0)**

An advanced study of electric fields, vector analysis, Maxwell's equations, wave guides, radiation, antennas and propagation of waves in space. *Prerequisite:* E E 431

MR. HALLMARK

**E E 501—ADVANCED ELECTRIC TRANSIENTS—3 cr. (2 and 3)**

Application of both Heaviside operational analysis and classical methods to electric transients; machinery transients involving circuits with time-varying parameters; transmission line transients. Development of experimental technique and verification of theory by oscillographic work in the laboratory.

MR. TINGLEY

## E E 511—ELECTRIC POWER STATIONS—3 cr. (3 and 0)

A comprehensive study of station lay-out generating equipment, exciters, transformers, meters, switching protective devices. Economical arrangement and operation is emphasized.

MR. RHODES

## E E 520—ULTRA-HIGH FREQUENCY TECHNIQUES—4 cr. (3 and 3)

Applications of conventional tubes at high frequencies, characteristics of the magnetron and velocity modulated tubes, Cathode ray tubes and circuits, applications of transmission lines, waveguides and cavity resonators. *Prerequisite:* E E 432 or the equivalent.

MR. HALLMARK

## E E 521—RADIATION AND WAVE PROPAGATION—3 cr. (3 and 0)

An advanced study of electric fields, vector analysis, Maxwell's equations and their use in the study of wave guides, radiation, and wave propagation.

MR. HALLMARK

### ENGLISH

	MR. BRADLEY	
MR. KINARD	MR. MACINTOSH	MR. BENNETT
MR. J. C. GREEN	MR. OWINGS	MR. CASKEY
MR. LANE	MR. FELDER	MR. J. T. COX
MR. TAYLOR	MR. MCGEE	MR. HOLT
*MR. H. M. COX	MR. PURSER	MR. TYNER
*MR. C. B. GREEN	MR. WILSON	MR. WATSON
	MR. WINTER	

## ENGL 100—REMEDIAL ENGLISH—Non-credit (3 and 0)

A refresher course for students failing the placement test for English 101; a thorough review of grammar, punctuation, and sentence structure with drill in general correctness; some study of the principles of the paragraph, the whole composition, and letter writing.

THE ENGLISH STAFF

---

\*On leave.

## ENGL 101—COMPOSITION AND LITERATURE—3 cr. (3 and 0)

A course intended to train the student in correct and effective expression and to acquaint him with the various kinds of good writing. *Prerequisite:* Satisfactory score on the English Placement test or successful completion of Engl 100

THE ENGLISH STAFF

## ENGL 102—COMPOSITION AND LITERATURE—3 cr. (3 and 0)

A continuation of the work of English 101 with word study, a wider scope of reading, and special attention to longer pieces of writing. *Prerequisite:* Engl 101

THE ENGLISH STAFF

## ENGL 203—A SURVEY OF ENGLISH LITERATURE—3 cr. (3 and 0)

A study of the chief authors and works in English literature from *Beowulf* to the beginning of the Romantic movement. *Prerequisite:* Engl 101 and 102

THE ENGLISH STAFF

## ENGL 204—A SURVEY OF ENGLISH LITERATURE—3 cr. (3 and 0)

A continuation of English 203 including a study of the chief authors of the Romantic and Victorian periods. *Prerequisite:* Engl 101 and 102

THE ENGLISH STAFF

## ENGL 300—ENGLISH AT WORK—1 to 4 cr.

A study of the duties and responsibilities shouldered by students who edit uncensored publications. Professional journalists and other qualified individuals from the campus and elsewhere lead the discussions and offer constructive criticism. As often as practicable, the most recent issue of a student publication is selected for discussion. Enrollment is limited to staff members of student publications. Extra credits by approval of Faculty Adviser only. *Prerequisite:* Engl 101 and 102

MR. LANE

## ENGL 301—PUBLIC SPEAKING—3 cr. (3 and 0)

A course of practical training in public speaking: the improvement of articulation, voice, and platform presence; the writing and delivery of

short speeches; impromptu and extemporaneous speaking and debating; dummy broadcasting and drill with recording equipment for improvement in voice and oral composition. *Prerequisite:* Engl 203 and 204

MR. BRADLEY

MR. LANE

MR. MCGEE

MR. WILSON

MR. J. C. GREEN

MR. OWINGS

MR. PURSER

MR. WINTER

### ENGL 302—BUSINESS LAW—3 cr. (3 and 0)

A study of the basic principles of Business Law; the origin and purpose of laws; contracts; agency, negotiable instruments; bailments and carriers; illustrative cases. *Prerequisite:* Engl 203 and 204

MR. BRADLEY

MR. J. C. GREEN

MR. LANE

### ENGL 305—EXPOSITORY WRITING—3 cr. (3 and 0)

Training in the processes of expository writing or explanation; the qualities and tools of exposition; various forms of expository writing. *Prerequisite:* Engl 203 and 204

MR. PURSER

### ENGL 400—THE THESIS—1 cr. (0 and 3)

A course in practical guidance to the student in making research and presenting the results in proper form; statement of the problem with origin and history; object and scope of the investigation; application of results; plan of procedure. (To be prepared under the direction of a member of the School of Arts and Sciences and approved by him, as to content, and by a member of the English Department, as to form.) *Prerequisite:* Engl 203 and 204

### ENGL 405—SHAKESPEARE—3 cr. (3 and 0)

To give the student as comprehensive an acquaintance as possible with Shakespeare's plays and some understanding of his development as a dramatist. *Prerequisite:* Engl 203 and 204

MR. TAYLOR

### ENGL 406—SHAKESPEARE—3 cr. (3 and 0)

A continuation of the work as outlined in Engl 405. *Prerequisite:* Engl 203 and 204

MR. TAYLOR

## ENGL 409—CHAUCER—3 cr. (3 and 0)

A study of the language, verse forms, and stories of Chaucer; reading from the *Prologue and the Canterbury Tales*; supplementary reading of historical and critical authors. *Prerequisite*: Engl 203 and 204

MR. BRADLEY

## ENGL 410—CHAUCER—3 cr. (3 and 0)

Continuation of the work of English 409 with wider reading in the works of Chaucer; reading of *Troilus and Creiseyde* with a study of motivation for the love casuistry and tragic element of the poem. *Prerequisite*: Engl 409

MR. BRADLEY

## ENGL 415—INTRODUCTION TO DRAMA—3 cr. (3 and 0)

A study of principles and progress of drama from Aeschylus to Ibsen, analysis of representative plays, writing of critical reports, practice in classroom reading of great scenes. *Prerequisite*: Engl 203 and 204

MR. LANE

## ENGL 416—INTRODUCTION TO DRAMA—3 cr. (3 and 0)

A study of principles and progress of drama from Ibsen to the present days, analysis of representative plays, writing of critical reports, classroom reading of great scenes, and discussion of all important aspects of modern drama. *Prerequisite*: Engl 203 and 204

MR. LANE

## ENGL 419—SELECTED MASTERPIECES—3 cr. (3 and 0)

A study of a variety of literary masterpieces, principally from English literature but including some world literature in English translation, with emphasis on acquaintance with and appreciation of individual outstanding works. *Prerequisite*: Engl 203 and 204

MR. KINARD

## ENGL 420—SELECTED MASTERPIECES—3 cr. (3 and 0)

A continuation of English 419 using different selections. *Prerequisite*: Engl 203 and 204

MR. KINARD

## ENGL 423—AMERICAN LITERATURE—3 cr. (3 and 0)

To give the student a more thorough knowledge and a deeper appreciation of the literature of the United States; beginning with the earlier selections and outstanding authors, the study ends with period immediately preceding the Civil War; special emphasis is given to Poe, Emerson, Hawthorne, and Melville. *Prerequisite:* Engl 203 and 204

MR. J. C. GREEN

## ENGL 424—AMERICAN LITERATURE—3 cr. (3 and 0)

A continuation of study from Whitman to the present with emphasis upon the literature of the South. *Prerequisite:* Engl 203 and 204

MR. J. C. GREEN

## ENGL 425—THE ROMANTIC REVIVAL—3 cr. (3 and 0)

A study of the rise of Romanticism in English Literature; an evaluation of the contribution of the Eighteenth Century forerunners, followed by a study of Wordsworth, Coleridge, and Scott. *Prerequisite:* Engl 203 and 204

MR. OWINGS

## ENGL 426—THE ROMANTIC REVIVAL—3 cr. (3 and 0)

Continuation of the work of English 425 with particular emphasis on the poets: Byron, Shelley, and Keats and on the essayists: Hazlitt, Lamb, DeQuincey, and Leigh Hunt. *Prerequisite:* Engl 203 and 204

MR. OWINGS

## ENGL 427—VICTORIAN LITERATURE—3 cr. (3 and 0)

A study of representative works from Tennyson, Browning, Carlyle, and John Stuart Mill. Some consideration of the intellectual, social, and political life of England in the first half of the nineteenth century. *Prerequisite:* Engl 203 and 204

MR. C. B. GREEN

## ENGL 428—VICTORIAN LITERATURE—3 cr. (3 and 0)

A study of representative works from Arnold, Swinburne, Ruskin, and Pater. An examination of some of the theories of life and art which influenced the writings of these men. *Prerequisite:* Engl 203 and 204

MR. C. B. GREEN

## ENGL 429—THE ENGLISH NOVEL—3 cr. (3 and 0)

A survey of major English novelists from Defoe to Scott. Selections will vary from year to year, and students will be allowed some latitude in their choice of readings. *Prerequisite*: Engl 203 and 204

Mr. H. M. Cox

## ENGL 430—THE ENGLISH NOVEL—3 cr. (3 and 0)

A continuation of English 429, with emphasis upon English Victorian novelists. *Prerequisite*: Engl 203 and 204

Mr. H. M. Cox

## ENGL 431—ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY—3 cr. (3 and 0)

A brief background survey of the literature and thought of the Restoration (Dryden, Denham, Cowley, Hobbes, Locke, Mandeville, Halifax, Bunyan, Evelyn, Pepys, Butler, Temple, Cibber, and Shaftesbury) followed by readings in Prior, Swift, Defoe, Pope, Gay, and Addison and Steele. *Prerequisite*: Engl 203 and 204

Mr. MacINTOSH

## ENGL 432—ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY—3 cr. (3 and 0)

A study of Goldsmith, Johnson, Boswell, Burke, and the Earl of Chesterfield, together with some consideration of the poetry of Young, Thomson, Shenstone, Collins, Cowper, Gray, and Blake. *Prerequisite*: Engl 203 and 204

Mr. MacINTOSH

## ENTOMOLOGY

Mr. DUNAVAN

Mr. WARE

Mr. WARNHOFF

## ENT 301—ELEMENTARY AND ECONOMIC ENTOMOLOGY—3 cr. (2 and 3)

A general introduction to Entomology with emphasis on anatomy, metamorphosis, life-histories of our most important species and methods of control. *Prerequisite*: Zool 101 and 103

Mr. WARNHOFF

## ENT 302—GENERAL ENTOMOLOGY—3 cr. (2 and 3)

This course designed especially for students who take major work in Entomology provides basic training in general phases of Entomology covering especially metamorphosis, classification, habits and characteristics of members of principal families of all orders of insects. Special attention is also given to technique of collecting and preserving insects. *Prerequisites:* Zool 101, 103 and Ent 301

MR. DUNAVAN

## ENT 401—ECONOMIC ENTOMOLOGY—3 cr. (2 and 3)

This course affords training in identification and life-histories of injurious insects, their damage, and control measures. Common pests of the following are studied: corn, small grains, legume field crops, tobacco, sugar cane, stored grain and seed, livestock and man. *Prerequisites:* Zool 101, 103 and Ent 301

MR. WARNHOFF

## ENT 402—ECONOMIC ENTOMOLOGY—3 cr. (2 and 3)

An intensive study of insecticides and other control measures for insects. This is followed by detailed study of habits, life-histories and approved control measures for insect pests of all fruit and vegetable crops. *Prerequisites:* Zool 101, 103 and Ent 301

MR. WARNHOFF

## ENT 405—INSECT MORPHOLOGY—3 cr. (2 and 3)

A course especially arranged for students with major work in Entomology. A detailed study of external and internal anatomy of insects. *Prerequisites:* Ent 301 and Ent 302

MR. DUNAVAN

## ENT 406—BEEKEEPING—3 cr. (2 and 3)

A study of practical beekeeping methods. Each student personally manages a hive of bees throughout the term. Special attention is given to bee behavior, spring and fall management and honey production methods. *Prerequisite:* Ent 301

MR. DUNAVAN

## ENT 451—INTRODUCTION TO RESEARCH—2 cr. (1 and 3)

A study of approved methods of investigating entomological problems. Each student conducts a minor investigation, gathers data, and writes a graduation thesis. *Prerequisites*: Ent 301 and Ent 302

MR. DUNAVAN

## ENT 452—TAXONOMIC ENTOMOLOGY—2 cr. (1 and 3)

A study of principles involved in the systematic classification of insects with some attention to historical aspects including great taxonomists of the past. Intensive studies of generic characteristics of insects in several major families are made. *Prerequisite*: Zool 101, 103, Ent 301, and Ent 302

MR. DUNAVAN

## ENT 456—PARASITOLOGY—3 cr. (2 and 3)

Designed to give technical training in parasites affecting man and domestic animals. Life cycles, vectors, and practical controls are emphasized.

MR. WARE

## ENT 460—SEMINAR—2 cr. (2 and 0)

Students review the principal journals pertaining to insects and related animals; also review the lives and activities of prominent pioneer entomologists. *Prerequisites*: Zool 101, 103 and 301; Ent 301 and 302

MR. WARNHOFF

### FORESTRY

MR. LEHOTSKY

## FOR 201, 203—GENERAL FORESTRY—3 cr. (2 and 3)

A general introduction to and survey of the field of forestry. An introductory course for pre-forestry students, and a survey of the field of regional, national and world forestry problems arranged for non-foresters. The forest resource and its place in human welfare.

MR. LEHOTSKY

FOR 202, 204—DENDROLOGY—4 cr. (3 and 3)

The identification of the commercially important trees of the United States including nomenclature; family, genus and species characteristics; range and distribution. Field identification of the trees native to South Carolina and of commonly planted exotics. *Prerequisite*: Bot 101 and 103

MR. LEHOTSKY

FOR 304, 306—FARM FORESTRY—3 cr. (2 and 3)

A study of the general problems dealing with the scientific management of small forest areas. Tree identification, tree measurements, forest measurements, forest products, silvicultural management of the important forest types of the region, intermediate and final cuttings, plantations, marketing of forest products and forest protection. Laboratory and field work on college forest lands and forestry operations. *Prerequisite*: Bot 101, and 103

MR. LEHOTSKY

### FRENCH

MR. DEAN

MR. HARDEE

FR 101—ELEMENTARY FRENCH—3 cr. (3 and 0)

A course for beginners, in which through conversation, composition, and dictation the fundamentals of the language are taught and a foundation provided for further study and the eventual ability to read and speak the language.

MR. DEAN      MR. HARDEE

FR 102—ELEMENTARY FRENCH—3 cr. (3 and 0)

A continuation of Fr 101, in which a reader is also used.

MR. HARDEE

FR 201—INTERMEDIATE FRENCH—3 cr. (3 and 0)

A short review of grammar, with conversation, composition, and dictation continued from Fr 102 and the beginning of more serious reading of French prose in short stories or novels.

MR. DEAN      MR. HARDEE

## FR 202—INTERMEDIATE FRENCH—3 cr. (3 and 0)

While attention is paid to writing and speaking French, more stress is laid on the rapid reading of more difficult French prose than in the earlier courses.

MR. DEAN

## FR 301—ADVANCED FRENCH—3 cr. (3 and 0)

Rapid reading of difficult literary or scientific French prose.

MR. DEAN

## FR 302—ADVANCED FRENCH—3 cr. (3 and 0)

A continuation of Fr 301, with selections being made to suit the needs of the students.

MR. DEAN

## GEOGRAPHY

\*MR. CARPENTER

## GEOG 301—ECONOMIC GEOGRAPHY—3 cr. (3 and 0)

A study of the geographic conditions fundamental to the world's resources—agricultural, mineral, and industrial, and the conditions which affect their production, exchange, and consumption. A special study will be made of the South. *Prerequisite*: Junior Standing

MR. CARPENTER

## GEOG 302—GEOPOLITICS—3 cr. (3 and 0)

A study of the geopolitical pattern of great powers, nations and dependencies; their territorial structure, resources, and connections. An examination of the principles of political geography, their application to current history, from an American geographical viewpoint. *Prerequisite*: Junior Standing

MR. CARPENTER

---

\*On leave

*GEOLOGY AND MINERALOGY*

MR. CALHOUN

## GEOL 201—AGRICULTURAL GEOLOGY—3 cr. (3 and 0)

In this course the student is shown the relationships existing between geology and practical agricultural problems, especially those in connection with soil formation and adaptation. Soil making minerals and rocks; formation of soils and rocks, the question of the relation of underground water to springs, wells and drainage problems is considered.

MR. CALHOUN

## GEOL 203—GENERAL GEOLOGY—3 cr. (3 and 0)

This course is intended to familiarize students with geology as applied not only to a thorough enjoyment of nature, but also to its many practical applications.

MR. CALHOUN

## GEOL 204—GENERAL GEOLOGY—3 cr. (3 and 0)

In the second semester the evolution of the earth, through all of its changes to the geography and life of the present day, is traced.

MR. CALHOUN

## GEOL 302—OPTICAL MINERALOGY—4 cr. (3 and 3)

A study of the use of the microscope for the identification of ceramic materials and the mineral constituents of ceramic products.

## GEOL 306—MINERALOGY—4 cr. (3 and 3)

The purpose is to give the student a comprehensive knowledge of crystallography and descriptive and determinative mineralogy.

MR. CALHOUN

## GEOL 402—METEOROLOGY—2 cr. (2 and 0)

A course designed to give the general principles of meteorology and climatology as applied to farming, aviation, and to those sciences which require a knowledge of such principles.

MR. CALHOUN

## GEOL 406—ENGINEERING GEOLOGY—3 cr. (3 and 0)

A course that shows the practical application of geology to problems of engineering. Topographic and geologic maps are used extensively in connection with the text.

MR. CALHOUN

## GERMAN

MR. RHYNE

## GER 101—ELEMENTARY GERMAN—3 cr. (3 and 0)

A course for beginners, in which through conversation, composition and dictation the fundamentals of the language are taught and a foundation provided for further study and the eventual ability to read and speak the language.

MR. RHYNE

## GER 102—ELEMENTARY GERMAN—3 cr. (3 and 0)

A continuation of Ger 101, in which a reader is also used.

MR. RHYNE

## GER 201—INTERMEDIATE GERMAN—3 cr. (3 and 0)

A short review of grammar, with conversation, composition, and dictation continued from Ger 102 and the beginning of more serious reading of German prose in short stories or novels.

MR. RHYNE

## GER 202—INTERMEDIATE GERMAN—3 cr. (3 and 0)

While attention is paid to writing and speaking German, more stress is laid on the rapid reading of more difficult German prose than in the earlier courses.

MR. RHYNE

## GER 301—ADVANCED GERMAN—3 cr. (3 and 0)

Rapid reading of difficult literary or scientific German prose.

MR. RHYNE

## GER 302—ADVANCED GERMAN—3 cr. (3 and 0)

A continuation of Ger 301, with selections being made to suit the needs of the students.

MR. RHYNE

## GOVERNMENT

MR. EPTING

MR. CROUCH

MR. BOLEN

MR. ALEXANDER

\*MR. CARPENTER

\*MR. LANDER

MR. TUTTLE

MR. WEBB

MR. WILLIAMS

## Gov 101—AMERICAN NATIONAL GOVERNMENT—3 cr. (3 and 0)

A survey of the principles, structure, and functions of the national government of the United States. Not open to Juniors and Seniors.

GOVERNMENT STAFF

## Gov 301—AMERICAN GOVERNMENT AND POLITICAL PARTIES—3 cr. (3 and 0)

A study of the constitution; powers and functions of executive, legislative, and judicial branches; citizenship; expansion of governmental activities; relations to the states, and territories. A study of the nature, development, organization, and methods of political parties, and the conduct of elections. *Prerequisite:* Not open to those who have completed Gov 101.

MR. CARPENTER

## Gov 302—STATE AND LOCAL GOVERNMENT—3 cr. (3 and 0)

An integrated study of American state and local government structural features, functions and legislative, administrative, and judicial processes. *Prerequisite:* Gov 101 or 301 and permission of the instructor.

MR. EPTING

## Gov 401—COMPARATIVE GOVERNMENT—3 cr. (3 and 0)

A study of the historical development of present-day political institutions and a comparison of the functioning of these institutions in the United States, Great Britain, Russia, Switzerland, and other countries. *Prerequisite:* Gov 101 and permission of the instructor

MR. BOLEN

---

\*On leave

## Gov 403—INTERNATIONAL RELATIONS—3 cr. (3 and 0)

To acquaint the student with current world movements and conditions, so that he may be able to think intelligently on the problems confronting our nation. *Prerequisite:* Senior standing

MR. CROUCH

## HISTORY

MR. EPTING

\*MR. CARPENTER

MR. TUTTLE

MR. ALEXANDER

\*MR. LANDER

MR. WEBB

MR. BOLEN

MR. WILLIAMS

## Hist 101—AMERICAN HISTORY—3 cr. (3 and 0)

A survey of the political, economic, and social development of the American people from the period of discovery to the end of the Civil War.

HISTORY STAFF

## Hist 102—AMERICAN HISTORY—3 cr. (3 and 0)

A survey of the political, economic and social development of the American people from the end of the Civil War to the present.

HISTORY STAFF

## Hist 301—HISTORY OF THE UNITED STATES SINCE 1865—3 cr. (3 and 0)

An advanced study of the political, social, and economic development of the United States since the end of the Civil War. *Prerequisite:* Junior standing. Not open to students who have completed Hist 102.

HISTORY STAFF

## Hist 303—HISTORY OF CIVILIZATION—3 cr. (3 and 0)

A study of the political, economic and social institutions, as well as the outstanding personalities of Western Civilization from ancient times to 1648. *Prerequisite:* Junior standing or permission of instructor.

MR. BOLEN

---

\*On leave

## HIST 304—HISTORY OF CIVILIZATION—3 cr. (3 and 0)

A study of the political, economic, and social conditions and institutions, as well as the outstanding personalities of Western Civilization from 1648 to the present. *Prerequisite*: Junior standing or permission of instructor.

MR. BOLEN

## HIST 306—AMERICAN BIOGRAPHY—3 cr. (3 and 0)

A study of political leaders of the United States with emphasis on the significance of leadership in United States history and critical appreciation of biographical writing. *Prerequisite*: Junior standing.

MR. ALEXANDER

## HIST 307—A DIPLOMATIC HISTORY OF THE UNITED STATES—3 cr. (3 and 0)

A history of United States foreign relations from 1775 to date with emphasis being placed upon the directing forces, particularly public opinion, that have shaped American diplomatic policies. Also stressed are the causes and results of all foreign wars in which the United States has been engaged. *Prerequisite*: Junior standing

MR. LANDER

## HIST 308—EUROPE SINCE 1918—3 cr. (3 and 0)

A history of Europe since the end of World War I with emphasis being placed upon the rise to power of the Communist, Fascist, and National Socialist regimes in Russia, Italy, and Germany, respectively. *Prerequisite*: Junior standing

MR. LANDER

## HIST 309—HISTORY OF ENGLAND—3 cr. (3 and 0)

A study of the economic, political, and social institutions of the English people from early times to the present. *Prerequisite*: Junior standing.

MR. BOLEN

## HIST 311—HISTORY OF LATIN AMERICA—3 cr. (3 and 0)

A survey of the political, economic, social, and cultural development of Latin America. *Prerequisite*: Junior standing.

MR. EPTING

## HIST 401—HISTORY OF SOUTH CAROLINA—3 cr. (3 and 0)

A study of the political, economic and social conditions and institutions of South Carolina from 1670 up to the present.

A special feature is a study of the outstanding personalities and of the historical literature. *Prerequisite*: Junior or Senior standing or permission of instructor

MR. EPTING

## HIST 403—HISTORY OF THE SOUTH TO 1865—3 cr. (3 and 0)

A study of the geography and climate of the South and the origins and development of political, economic, social, and cultural institutions. *Prerequisite*: Junior standing

MR. ALEXANDER

## HIST 404—HISTORY OF THE SOUTH SINCE 1865—3 cr. (3 and 0)

A study of the economic and social changes in the South during the Reconstruction period and of trends in industrialization, agriculture, politics, race relations, and culture to the present. *Prerequisite*: Junior standing

MR. ALEXANDER

## HIST 405—THE AMERICAN FRONTIER—3 cr. (3 and 0)

A course dealing specifically with American expansion westward from the original colonies. This course will consider the westward movement in respect to population, political, economic, social and cultural development; analyze the process of national adjustments; and weigh the contributions of each succeeding period. It will consider both the early West and the Trans-Mississippi West. *Prerequisite*: Junior standing

MR. WILLIAMS

## HIST 406—HISTORY OF MANUFACTURING IN THE UNITED STATES—3 cr. (3 and 0)

A study of the sustained growth of manufacturing in the United States since the Revolutionary War. Particular emphasis is placed on the history of major basic industries. The course will consider the economic, political, and social effects of industrial growth on American history. *Prerequisite*: Junior standing, or permission of the instructor.

MR. WILLIAMS

*HORTICULTURE*

	MR. MUSSER	
MR. GARRISON	MR. VAN BLARICOM	MR. THODE
MR. SEFICK	MR. SENN	

## HORT 201—GENERAL HORTICULTURE—3 cr. (2 and 3)

A study of the fundamental plant processes, the influence of light, temperature, water and nutrients upon vegetative growth and reproduction of horticultural crops. Production practices, harvesting, storage and marketing of the principal fruit, vegetable and ornamental crops are discussed with demonstrations and practice in greenhouse and orchard. *Prerequisite:* Bot 101, 103 and Chem 101

MR. SEFICK      MR. SENN

## HORT 301—PRINCIPLES OF VEGETABLE PRODUCTION—3 cr. (2 and 3)

A study of the general principles of vegetable growing and handling. Phases receiving special emphasis are: economic importance, producing areas, management practices, plant forcing, cultural practices, irrigation, quality factors, harvesting, grading, packing, storage, market inspection, transportation, refrigeration, exhibition, roadside marketing, and seed production. *Prerequisite:* Hort 201

MR. GARRISON

## HORT 305—PLANT PROPAGATION AND NURSERY MANAGEMENT—3 cr. (2 and 3)

A study of methods of propagation; time, manner, and material for making cuttings; temperature and media for rooting cuttings of ornamental trees, shrubs and flowering plants; propagating structures, soils, fertilizers, and management methods for commercial nurseries. Practical instruction given in field and greenhouse. *Prerequisite:* Hort 201

MR. THODE

## HORT 306, 308—ELEMENTARY LANDSCAPE DESIGN—3 cr. (2 and 3)

A study of plant material used in landscape design; instruction in landscaping and developing home grounds and execution of design.

MR. THODE

## HORT 401, 403—LANDSCAPE DESIGN—3 cr. (2 and 3)

Instruction in the use of plant material used in landscaping homes, parks and small estates and designing of larger areas. Designs to be executed in detail. *Prerequisite:* Hort 306 and 308

MR. THODE

## HORT 402, 404—GARDEN DESIGN—3 cr. (2 and 3)

Instruction in design of both formal and informal gardens; use of herbaceous plant material and execution of plans. *Prerequisite:* Hort 306 and 308

MR. THODE

## HORT 405—NUT CULTURE AND SPRAYS—3 cr. (2 and 3)

Part I—Nut Culture—a study of production, harvesting and marketing of the principal nut crops with emphasis on the pecan.

Part II—Sprays and application equipment—a study of the properties of spray chemicals, their influence on plant functions, effectiveness in controlling pests of horticultural crops and methods of application. *Prerequisite:* Hort 201

MR. SEFICK

## HORT 409—SEMINAR—1 cr. (1 and 0)

A study of recent research work on various phases of horticulture, methods of conducting investigations and preparation of report of investigations.

MR. MUSSER AND STAFF

## HORT 410—SEMINAR—1 cr. (1 and 0)

A continuation of Hort 409.

MR. MUSSER AND STAFF

## HORT 415—FLORICULTURE—3 cr. (2 and 3)

A study of greenhouse production of commercial flower crops, soils, fertilizers, greenhouse diseases and insects, flower crops (major crops: roses, carnations, chrysanthemums; minor crops: sweet peas, snapdragons,

violets, calendula, asters, gardenia, poinsettia, bulbs in variety) to be grown on benches and as pot plants; marketing and costs of production. *Prerequisite:* Hort 201 and 305

MR. THODE

HORT 451—SYSTEMATIC POMOLOGY AND SMALL FRUIT CULTURE—3 cr. (2 and 3)

Part I—Systematic Pomology—A study of the structure of fruit plants—physiological characters; methods of work in systematic pomology; habitat, history, color, form, structure, flavor and use of fruits; judging and displaying fruits.

Part II—Small Fruit Culture—A study of varieties, soils, sites, culture, fertilizers, harvesting and preparation for marketing of grapes, strawberries, dewberries, blackberries, raspberries and other small fruits. *Prerequisite:* Hort 201

MR. MUSSER

HORT 452—COMMERCIAL POMOLOGY—3 cr. (2 and 3)

A study of fruit bud formation, rest period and water relations of fruit plants, soils, fruit setting; orchard soil management and responses of various fruits to fertilizers, principles of pruning, effect of climatic differences, freezing of tissues and means of avoiding injury, harvesting, transportation, and storage. *Prerequisite:* Hort 201

MR. MUSSER

HORT 455—BREEDING HORTICULTURAL CROPS—3 cr. (2 and 3)

A study of the principles and practices of plant breeding. The principal topics include: inheritance of characters, modes of reproduction, techniques of selfing and crossing, selection, hybridization, disease and insect resistance, application of biometrical analysis, and field plot technique. *Prerequisite:* Agron 302

MR. GARRISON

HORT 456—TRUCK CROPS—3 cr. (2 and 3)

A detailed study of the principles and practices employed in the growing and marketing of truck crops. Emphasis is placed on plant characteristics, varieties, soils, fertilizers, harvesting, and preparation for market. *Prerequisite:* Hort 201

MR. GARRISON

## HORT 460—ADVANCED LANDSCAPE DESIGN—3 cr. (2 and 3)

A study of civic improvement, mill villages, public buildings, squares, parks, storm water control, water courses, lakes, lawns, drives, and walks; trees and shrubs and their requirements; study of finished problems in landscape design, original problems, field work and costs. *Prerequisite:* Hort 306, 308 and 401, 403

MR. THODE

## HORT 464—FOOD PRESERVATION—3 cr. (2 and 3)

Theoretical background and fundamental processes of food preservation. The course includes modern canning technique for community and commercial canneries; frozen food preservation; study of important crops grown in South Carolina suitable for canning; factors which influence the commercial operation of a cannery; causes of food spoiling; factors which influence quality packs; U. S. Standard grades for canned goods; and a study of jams, jellies and preserves, dehydration and pickle manufacturing. *Prerequisite:* Bact 301 and 303

MR. VAN BLARICOM

## INDUSTRIAL ARTS

MR. MARSHALL

## IN AR 301—INDUSTRIAL ARTS—1 cr. (0 and 3)

(a) An elective course in the art of wood turning based upon spindle and face plate turning in which correct design is emphasized.

(b) Practice in the proper handling of woodworking tools, their use and care.

MR. MARSHALL

## IN AR 302—INDUSTRIAL ARTS—1 cr. (0 and 3)

An elective course in advanced machine woodworking. Making of well-designed furniture and cabinets. Wood finishing materials and their application. *Prerequisite:* In Ar 301 or In En 202

MR. MARSHALL

## IN AR 303—INDUSTRIAL ARTS—2 cr. (1 and 3)

A course to include project construction, finishing, care of shop tools and equipment, characteristics of woods, fasteners, finishing materials, glues, and the shop budget.

MR. MARSHALL

## IN AR 304—SPECIAL METHODS IN INDUSTRIAL ARTS—2 cr. (1 and 3)

A study in fundamental skills, knowledges, and appreciation of wood-work. Special technique and method of approach in teaching shop subjects in high schools are also covered.

MR. MARSHALL

## INDUSTRIAL ENGINEERING

MR. FREEMAN - MR. MARSHALL

MR. BROCK

MR. COUCH

MR. MEEKS

MR. STENSTROM

## IN EN 101—METAL PROCESSES—2 cr. (0 and 6)

A study of forge equipment; materials used in forgings, selections of materials, method of working and treating, heat treating, and case hardening. A study of materials used in foundry; the cupola, moulding sand, cores, patterns, the crucible furnace, the cleaning and inspection of castings. A study of welding equipment; safety practices, jigs, inspection and testing of welds. Lectures and demonstrations accompany this work.

MR. COUCH      MR. MEEKS

## IN EN 201—METAL PROCESSES—2 cr. (0 and 6)

A study of metal cutting processes, including the possibilities and limitations in machine tool operation, job order, lot intermittent and mass production principles. The work is covered by lecture and shop practice with the fundamental machine and hand tools. *Prerequisite:* D D 106, Math 103, In En 101

MR. FREEMAN      MR. STENSTROM

## IN EN 202—WOOD PROCESSES—2 cr. (0 and 6)

A study of the most suitable materials, hand and machine tools used in the construction of wood patterns. The fundamental processes involved in the fashioning of typical patterns, keeping in mind the relations of the allied department, particularly those of the foundry.

MR. BROCK      MR. BANISTER      MR. MARSHALL

## IN EN 205—CONSTRUCTION MATERIALS—2 cr. (2 and 0)

A study of the sources of materials used in industry; a study of wood, concrete, ferrous alloys, non-ferrous materials, brick, tile, and other building materials. This course is designed to help the engineer to select the proper material for any given job.

MR. COUCH

## IN EN 302—WELDING—2 cr. (1 and 3)

A study of the identification and weldability of metals; the equipment used; safe practices; welding materials and supplies; pre-treatment and after-treatment of welds; jigs and fixtures; inspection and testing; the cost of welding. *Prerequisite:* In En 101

MR. COUCH

## IN EN 402—METALLURGY—3 cr. (3 and 0)

A general course in the fundamentals of engineering physical metallurgy. The course is designed to give students in other fields of engineering a general working knowledge of problems involving ferrous and nonferrous physical metallurgy. *Prerequisite:* Chem 101 and 102

MR. FREEMAN

## MATHEMATICS

	MR. SHELDON	
MR. BELL	MR. LAGRONE	MR. STUART
MR. BREWSTER	MR. MILLER	MR. HIND
MR. COKER	MR. ARMSTRONG	*MR. KELLY
MR. EDWARDS	MR. BROWN	MR. SULLIVAN
MR. KIRKWOOD	MR. PARK	MR. VAUSE
	MR. STANLEY	

## MATH 100—REMEDIAL MATHEMATICS—Non-credit (5 and 0)

Required of all entering freshmen who fail to make a satisfactory grade on the placement examination in mathematics.

An intensified review of the basic principles of high school mathematics which are prerequisite for the study of college mathematics.

MATHEMATICS STAFF

---

\*On leave

**MATH 101—COLLEGE ALGEBRA—3 cr. (3 and 0)**

A study of elementary college algebra including the fundamental operations, factoring and fractions, equations, ratio and proportion, functions and their graphs, exponents, radicals, quadratic equations. *Prerequisite:* A satisfactory grade on the placement examination

MATHEMATICS STAFF

**MATH 102—TRIGONOMETRY (PLANE)—3 cr. (3 and 0)**

A study of the trigonometric functions, the solution of right and oblique triangles, trigonometric identities, trigonometric equations, graphs of the trigonometric functions, inverse trigonometric functions. *Prerequisite:* A satisfactory grade on the placement examination.

MATHEMATICS STAFF

**MATH 103—FRESHMAN MATHEMATICS—5 cr. (5 and 0)**

A six weeks' study of elementary algebra up to and including quadratic equations followed by twelve weeks of plane trigonometry. *Prerequisite:* A satisfactory grade on the placement examination.

MATHEMATICS STAFF

**MATH 104—FRESHMAN MATHEMATICS—5 cr. (5 and 0)**

Six weeks of algebra including systems of quadratic equations, progressions, the binomial theorem, complex numbers, determinants, partial fractions, followed by twelve weeks of analytic geometry including the straight line, the conics, transformation of coordinates, equations and their loci. *Prerequisite:* Math 103

MATHEMATICS STAFF

**MATH 201—DIFFERENTIAL CALCULUS—3 cr. (3 and 0)**

A short course in the differentiation of algebraic and transcendental functions, maxima and minima, curve tracing. *Prerequisite:* Math 104

MR. EDWARDS

**MATH 202—INTEGRAL CALCULUS—3 cr. (3 and 0)**

A short course in the integration of simple functions, the definite integral, areas, volumes, lengths of lines. *Prerequisite:* Math 201

MR. BELL

## MATH 203—DIFFERENTIAL CALCULUS—5 cr. (5 and 0)

A study of differentiation and its application to maxima and minima problems, curve tracing, curvature, rates, differentials. *Prerequisite:* Math 104

MATHEMATICS STAFF

## MATH 204—INTEGRAL CALCULUS—5 cr. (5 and 0)

A study of integration and its application to areas, volumes, lengths of curves, multiple integration, engineering problems. *Prerequisite:* Math 203

MATHEMATICS STAFF

## MATH 301—ADVANCED ALGEBRA—3 cr. (3 and 0)

An advanced treatment of ratio and proportion, variation, progressions, surds, imaginary quantities, equations, permutations, binomial and multinomial expansions, inequalities. *Prerequisite:* Math 104

MR. STANLEY

## MATH 302—THEORY OF EQUATIONS—3 cr. (3 and 0)

A study of complex numbers, theorems on roots of polynomial equations, constructibility, approximations, determinants, matrices and symmetric functions. *Prerequisite:* Math 104

MR. BREWSTER

## MATH 303—STATISTICS—3 cr. (3 and 0)

A study of graphs, frequency distributions, averages, measures of dispersion, moments, the normal curve, curve fitting, correlation, and index numbers. *Prerequisite:* Math 104

MR. SULLIVAN

## MATH 304—STATISTICS—3 cr. (3 and 0)

A continuation of Math 303. The mathematical basis of statistics will be emphasized in this course. The topics covered will include the theory of probability, the binomial distribution, theory of sampling, reliability of statistical differences, sequential analysis. *Prerequisite:* Math 204

MR. SULLIVAN

**MATH 305—INTERMEDIATE CALCULUS—3 cr. (3 and 0)**

A short review of the theory of differentiation and integration followed by a study of parametric equations, polar equations, curvature, theorem of mean value, reduction formulas, series, expansion of functions, averages, hyperbolic functions, some solid analytic geometry, partial differentiation, multiple integrals. *Prerequisite:* Math 204

MR. LAGRONE      MR. BREWSTER

**MATH 306—ORDINARY DIFFERENTIAL EQUATIONS—3 cr. (3 and 0)**

Differential equations of the first order and first degree, equations of the first order but not of the first degree, linear differential equations, applications to physics and engineering. *Prerequisite:* Math 204

MR. STUART      MR. MILLER      MR. STANLEY

**MATH 401—COLLEGE GEOMETRY—3 cr. (3 and 0)**

Theorems and concepts more advanced than those of high-school geometry. Detailed treatment of the various properties of the triangle, including the notable points, lines, and circles associated with it. *Prerequisite:* Math 104

MR. KELLY

**MATH 451—VECTOR ANALYSIS—3 cr. (3 and 0)**

A study of the algebra and calculus of vectors in two and three dimensions with applications to physics, geometry and engineering problems. *Prerequisite:* Math 204

MR. ARMSTRONG

**MATH 453—ADVANCED CALCULUS—3 cr. (3 and 0)**

A more extensive study of the differential and integral calculus than is given in the intermediate course with emphasis on applications and an introduction to theoretical questions. Topics include: power series, partial differentiation, implicit functions, the definite integral. *Prerequisite:* Math 204 and Math 305

MR. COKER

## MATH 454—ADVANCED CALCULUS—3 cr. (3 and 0)

A continuation of Math 453. Topics include: Gamma and Beta functions; line, surface, and space integrals; Bessel functions; partial differential equations; calculus of variations; introduction to functions of a complex variable. *Prerequisite:* Math 453

MR. COKER

## MATH 455—ADVANCED MATHEMATICS FOR ENGINEERS—3 cr. (3 and 0)

A study of advanced mathematical topics pertinent to the field of engineering. Physical applications are stressed by the presentation of problems relating to the several branches of engineering. Topics include ordinary and partial differential equations, hyperbolic functions, infinite series, Fourier series, and Gamma and Bessel functions. *Prerequisite:* Math 306

MR. PARK

## MATH 456—ADVANCED MATHEMATICS FOR ENGINEERS—3 cr. (3 and 0)

A continuation of Math 455. Further topics include functions of a complex variable, vector analysis, probability, and operational calculus. *Prerequisite:* Math 306

MR. PARK

## MECHANICAL ENGINEERING

	MR. FERNOW	
MR. SAMS	MR. COOK	MR. EDWARDS
MR. LEWIS	MR. MILLS	MR. HUDSON
MR. WATSON	*MR. SUTTON	MR. KERR
	MR. CARMICHAEL	

## M E 211—MECHANICAL ENGINEERING—2 cr. (2 and 0)

A study of the fundamentals of steam power, boilers, fuels, combustion and auxiliary equipment, gas power, internal combustion engines, auxiliary apparatus and related equipment.

MR. KERR

## M E 213—ENGINEERING PROBLEMS—1 cr. (0 and 3)

To develop neatness, self-confidence, and an analytical approach to the solution of engineering problems. A review of logarithms; fundamentals

---

\*On leave

of the slide rule and its application to practical engineering problems; an introduction to steam tables with practical problems in steam. *Prerequisite:* Math 103, 104

MR. KERR

M E 302—MECHANICAL ENGINEERING—3 cr. (3 and 0)

Elements of steam and gas power plants including fuels and combustion, gas and vapor processes and cycles, properties of air and steam, steam and gas engines, turbines, auxiliaries, and refrigeration. *Prerequisite:* Phys 211, 212; Math 204 or enrollment in Math 204

MECHANICAL ENGINEERING STAFF

M E 304—MECHANICAL ENGINEERING LABORATORY—1 cr. (0 and 3)

Study and calibration of weight, pressure, area, and fluid flow measuring devices. Testing of pumps, engines, fans, and compressors. *Prerequisite:* Enrollment in M E 302

MECHANICAL ENGINEERING STAFF

M E 305—HEAT POWER—3 cr. (3 and 0)

Elementary thermodynamics including gas laws, energy equations, processes, cycles, gas flow, and combustion together with application to appropriate power plant machinery. *Prerequisite:* Math 203 and 204; Physics 211 and 212.

MR. COOK

M E 306—HEAT POWER—3 cr. (3 and 0)

A continuation of M E 305. Thermodynamics of vapors with application to steam boilers, engines, turbines, power plant cycles, refrigeration and heat transfer problems. *Prerequisite:* M E 305

MR. CARMICHAEL

M E 308—HEAT POWER LABORATORY—1 cr. (0 and 3)

The study and calibration of weight, pressure, area, and fluid flow measuring devices; flue gas analysis, power plant piping, lifting devices, centrifugal pump, and heat transfer. *Prerequisite:* M E 305 and enrollment in M E 306

MR. COOK      MR. HUDSON

## M E 311—HEAT POWER—3 cr. (3 and 0)

Elementary thermodynamics including gas laws, energy equations, processes, cycles, gas flow, and combustion together with application to appropriate power plant machinery. This course is similar to M E 305 but with more time devoted to problems since prerequisites, M E 211 and 213, make possible longer assignments. *Prerequisite:* Math 203 and 204; Physics 211 and 212; M E 211 and 213

MR. EDWARDS

## M E 312—HEAT POWER—3 cr. (3 and 0)

Elementary thermodynamics including gas laws, energy equations, processes, cycles, gas flow, and combustion together with application to appropriate power plant machinery. This course is similar to M E 305 but with more time devoted to problems since prerequisites, M E 211 and 213, make possible longer assignments. *Prerequisite:* M E 311

MR. SAMS

## M E 313—HEAT POWER LABORATORY—1 cr. (0 and 3)

Study and calibration of weight, pressure, area, and fluid flow measuring devices, flue gas, and liquid fuel analysis, triplex pump, power-house piping and auxiliaries, friction test on steam engine and internal combustion engine. *Prerequisite:* Enrollment in M E 311

MR. CARMICHAEL      MR. EDWARDS

## M E 314—HEAT POWER LABORATORY—1 cr. (0 and 3)

Practical work in connection with coal analysis, tests of lifting devices, ram, injector, centrifugal pump, calorimeters, and study of water plant. *Prerequisite:* M E 313

MR. COOK

## M E 407—MECHANICAL LABORATORY—1 cr. (0 and 3)

A study of the performance tests of steam turbines, blowers, Diesel engines, uniflow engines, air compressors and hydraulic turbines. *Prerequisite:* M E 306, 308

MR. CARMICHAEL

## M E 411—HEAT POWER—3 cr. (3 and 0)

Organization of steam, Diesel and hydro power plants with reference to the design and performance characteristics of the individual pieces of apparatus involved, variable load, costs, and economics. Buildings and foundations are briefly covered. *Prerequisite:* M E 312

MR. FERNOW

## M E 412—HEAT POWER—3 cr. (3 and 0)

A continuation of M E 411, stressing the design, arrangement and economic justification of the boilers, prime movers, condensers, fuel handling equipment, stokers, pulverized fuel equipment, combustion, refuse handling equipment, fans, chimneys, water treatment, water heaters and deaerators, pumps, feed water regulation and the piping system design and layout. *Prerequisite:* M E 411

MR. MILLS

## M E 413—HEAT POWER LABORATORY—2 cr. (0 and 6)

A practical application of the theory covered in M E 411. Performance tests of steam turbines, blowers, pumps, boilers, refrigeration plants, and hydraulic turbines are studied. *Prerequisite:* M E 314 and enrollment in M E 411

MR. WATSON      MR. MILLS      MR. CARMICHAEL

## M E 414—HEAT POWER LABORATORY—2 cr. (0 and 6)

Testing of all types of internal combustion engines, auxiliaries, and fuels. *Prerequisite:* M E 413

MR. LEWIS      MR. EDWARDS

## M E 417—DESIGN—2 cr. (1 and 3)

The solution of a variety of engineering problems under guidance to familiarize the student with the kind of work he may be called on to do after his first induction into industry. Completeness and orderly and logical work are stressed. *Prerequisite:* Enrollment in M E 411

MR. MILLS

## M E 418—DESIGN—2 cr. (1 and 3)

A continuation of M E 417. *Prerequisite:* Enrollment in M E 412

MR. HUDSON

## M E 420—ADMINISTRATION—3 cr. (3 and 0)

Instruction in the principles of organizing, financing, and incorporating business enterprises; organization of the manufacturing establishment; buying and selling; contracts, accounting; management problems. *Prerequisite:* Senior standing

MR. SAMS

## M E 421—GAS ENGINES—3 cr. (3 and 0)

Theoretical and actual cycles, performance characteristics, fuels, combustion, cooling, dynamics, ignition and injection of the two and four stroke cycle spark ignition and compression ignition engine. *Prerequisite:* M E 311 and 312

MR. LEWIS

## M E 423—GAS ENGINE DESIGN—1 cr. (0 and 3)

Limits and requirements in the design of both air cooled and liquid cooled spark ignition and compression ignition engines, the principle of similitude, detail design and sketching of the engine parts and an assembly drawing of an engine. *Prerequisite:* D D 306, M E 311, 312, and enrollment in M E 421

MR. LEWIS

## M E 426—STEAM TURBINES—3 cr. (3 and 0)

Structural features, performance, and design of all types of steam turbines. *Prerequisite:* M E 312

MR. FERNOW

## M E 428—TURBINE DESIGN—1 cr. (0 and 3)

Complete design of nozzle and blade elements of impulse and reaction steam turbines. *Prerequisite:* Enrollment in M E 426

MR. FERNOW

## M E 429—HEATING AND VENTILATION—2 cr. (2 and 0)

A study of the principles of heating and ventilation with emphasis on the following topics: factors affecting human comfort, the theory of heat transfer and the calculation of heat transmission coefficients, heat

losses from buildings, heating load, fuels and combustion, heat disseminators, heating boilers and their accessories and auxiliaries, steam heating, and hot water heating systems. *Prerequisite:* M E 305 or M E 311

MR. WATSON

M E 430—AIR CONDITIONING—2 cr. (2 and 0)

A study of the principles of air conditioning embodied in air distribution and air cleaning, humidification and dehumidification, warm air heating systems, cooling systems, automatic control apparatus, unit heaters, and unit air conditioners. *Prerequisite:* M E 312 or M E 306 and M E 429

MR. WATSON

M E 431—HEATING AND VENTILATION DESIGN—1 cr. (0 and 3)

To offer practical application of the theory covered in M E 429 in the design of heating and ventilation systems for specific conditions. *Prerequisite:* Enrollment in M E 429

MR. WATSON

M E 432—AIR CONDITIONING DESIGN—1 cr. (0 and 3)

To provide practical application of the theory covered in M E 430 in the design of air conditioning systems. *Prerequisite:* Enrollment in M E 430

MR. WATSON

M E 433—ELEMENTARY AERODYNAMICS—2 cr. (2 and 0)

Physical properties of air, effects of deflecting air streams, air flow, airfoils, drag, power plants, propellers, control surfaces and stability; performance at sea level and at altitude. Calculations are made for an airplane to determine its performance at sea level and at altitude, including take off and landing distance, endurance, range and load during turns. *Prerequisite:* Mech 304

MR. MILLS

M E 434—REFRIGERATION—2 cr. (2 and 0)

Underlying thermodynamics of refrigeration and design and operating characteristics of compression and absorption systems. Ice making and cold storage. *Prerequisite:* M E 312

MR. FERNOW

**M E 461—ANALYSIS OF THERMODYNAMIC PROBLEMS—3 cr. (3 and 0)**

Engineering problems involving the use of differential and integral calculus including ordinary differential equations, partial differentiation, multiple integrals, partial differential equations, line integrals, and series. *Prerequisite:* Math 306

**M E 464—HEAT TRANSMISSION—3 cr. (3 and 0)**

A comprehensive study of the principles of Heat Transmission with applications to engineering problems. Special emphasis is given to the following topics: heat conduction in the steady and unsteady states; dimensional analysis of convection; free and forced convection; the combined effects of conduction and convection; heat transfer in condensing and boiling; radiation; and the combined effects of conduction, convection, and radiation. *Prerequisite:* M E 311, 312 and registration in Math 306

MR. WATSON

**M E 501—ADVANCED AIR CONDITIONING—3 cr. (3 and 0)**

An analysis of the principles of air conditioning. The following topics are among those covered; enthalpy of air-vapor mixtures; adiabatic mixtures of air with water, steam, or ice; fogged air; adiabatic saturation; air in contact with water; fundamental simultaneous and fundamental successive conditioning processes; humid air below 32° F.; geometry of the psychrometric chart. A critical analysis of current literature on special topics. *Prerequisite:* M E 429, 430, 431 and 432

MR. WATSON

**M E 510—ADVANCED THERMODYNAMICS—3 cr. (3 and 0)**

This course supplements and extends the material covered in elementary thermodynamics. Special topics relative to advanced problems in engineering are pursued. *Prerequisite:* M E 311, 312, 411, 412 and registration in Math 306

**M E 521—INTERNAL COMBUSTION ENGINES—3 cr. (3 and 0)**

Internal combustion process analysis, deviation from the ideal processes, detonation, and knock testing, carburation and fuel injection, combustion chamber and cylinder head design, engine cooling, mechanics of principle moving parts, engine vibration and balance and engine design.

MR. LEWIS

## M E 522—INTERNAL COMBUSTION ENGINES—3 cr. (3 and 0)

A continuation of M E 521.

MR. LEWIS

## M E 523—INTERNAL COMBUSTION ENGINE LABORATORY—1 cr. (0 and 3)

Analysis of engine instrumentation, air-fuel ratio tests, detonation limited power test, injection and analysis with test apparatus, fuels testing and general test codes.

MR. LEWIS

## M E 524—GAS TURBINES—3 cr. (3 and 0)

Gas turbine process analysis, deviation from the ideal processes, fuels stratification, efficiencies, pressure ratio including the development of charts for cycle analysis.

MR. LEWIS

## M E 526—ADVANCED STEAM TURBINES—2 cr. (2 and 0)

MR. FERNOW

## M E 528—ADVANCED STEAM TURBINES DESIGN—1 cr. (0 and 3)

MR. FERNOW

## MECHANICS AND HYDRAULICS

	MR. CURTIS	
MR. HARLEY	MR. ROBINSON	MR. McDONALD
*MR. HUMPHREYS	MR. BYARS	MR. NOWACK
MR. MOORMAN	MR. HROMI	

## MECH 302—MECHANICS (STATICS)—3 cr. (3 and 0)

An elementary technical study of force systems and their action on rigid bodies at rest, devoted to development of facility in free body analysis. Topics also considered are center of gravity, moment of inertia of areas, and friction. *Prerequisite:* Math 204, Phys 211

MECHANICS AND HYDRAULICS STAFF

---

\*On leave

## MECH 303—MECHANICS (KINETICS)—3 cr. (3 and 0)

A continuation of Mech 302. Analytical kinematics and the effects of forces in producing motion of rigid bodies are major considerations. Among the principal topics, whose engineering applications are developed, are: Second Law of Motion for translation and rotation; work, energy, and power; impulse and momentum. *Prerequisite:* Mech 302

MECHANICS AND HYDRAULICS STAFF

## MECH 304—MECHANICS OF MATERIALS—3 cr. (3 and 0)

To acquaint students with certain physical constants and stresses in structural members and machine parts, and to illustrate rational derivation of formulas for internal stresses. Among topics covered are: Deformation and stress; torsion; riveted joints; flexure and deformation of beams; combined stresses in short blocks; columns. *Prerequisite:* Mech 302

MECHANICS AND HYDRAULICS STAFF

## MECH 305—MECHANICS OF MATERIALS LABORATORY—1 cr. (0 and 3)

A laboratory course planned for students in certain branches designed to illustrate points and principles considered in Mech 304. *Prerequisite:* Must be accompanied, or preceded by Mech 304

MECHANICS AND HYDRAULICS STAFF

## MECH 306—GRAPHIC STATICS—1 cr. (0 and 3)

Graphical analysis of force systems and of stresses in statically determinate frames. Given for students in certain branches. *Prerequisite:* Must be accompanied, or preceded by Mech 302

MECHANICS AND HYDRAULICS STAFF

## MECH 401—FLUID MECHANICS—3 cr. (3 and 0)

A study of the forces on fluids at rest and in motion together with consideration of various flow measurement devices and of power developing and using units. Among the items considered are: Hydrostatic pressure and devices for measuring it; hydraulic similitude; measurements of flow by orifices, weirs, and various meters; flow in pipes; open channels; turbines and pumps. *Prerequisite:* Mech 303 (for Civil Engineering Majors, Mech 302)

MR. CURTIS    MR. HARLEY    MR. MOORMAN    MR. ROBINSON

## MECH 403—FLUID MECHANICS LABORATORY—1 cr. (0 and 3)

A laboratory course for students in certain branches to illustrate the principles of Mech 401. Also special exercises are given in stream gaging, drainage area study, runoff, and rainfall. *Prerequisite:* Must be accompanied, or preceded by Mech 401

## MECHANICS AND HYDRAULICS STAFF

## MECH 460—HYDROLOGY—3 cr. (3 and 0)

A study of the principles concerning the occurrence of water in nature and the practice of engineering in dealing with it in connection with design of water supplies and structures. *Prerequisite:* Mech 401 and 403; approval by instructor.

MR. CURTIS      MR. MOORMAN

## MECH 462—WATER POWER ENGINEERING—3 cr. (3 and 0)

Principles and practices involved in the investigation and planning of hydraulic power developments and the selection of hydraulic machinery. *Prerequisite:* Mech 460, or special approval by instructor.

MR. CURTIS

## MECH 464—FLOW IN OPEN CHANNELS—2 or 3 cr. (2 or 3 and 0)

Consideration of steady flow, including study of the hydraulic jump, backwater curves, bends, transitions and obstructions, and analysis of special methods of flood routing. *Prerequisite:* Mech 401 and approval of instructor

MR. MOORMAN

## MILITARY SCIENCE

## COL. MORRIS

LT. COL. CROSBY	CAPT. GRAMLING	1ST SGT. MEDLOCK
LT. COL. SMITH	CAPT. HUENERS	SGT. 1 CL. COX
LT. COL. WATSON	CAPT. NAUCK	SGT. 1 CL. HESSEL
MAJ. BYERTS	CAPT. SMITH	SGT. 1 CL. HUTSON
MAJ. FOSTER	1ST LT. JAMES	SGT. 1 CL. McDoughall
MAJ. HALL	M/SGT. DAVIS	T/SGT. DAVIS
MAJ. MYERS	M/SGT. GELINA	T/SGT. FRIAS
CAPT. ANDERSON	M/SGT. GRUNEWALD	SGT. HANSON
CAPT. BYNUM	M/SGT. RIMMER	SGT. MARLOW
CAPT. COAKLEY	M/SGT. RUSSEY	CPL. SCOVIL
CAPT. CRONIN	M/SGT. ZORENS	

## M S 101—MILITARY DRILL—0 cr. (0 and 3)

Training in customs, discipline, and leadership to prepare and develop cadets for duties as junior noncommissioned officers. Principal topics are principles of discipline; customs of the Army; wearing of the uniform; conduct of noncommissioned officers; purpose of drill; drill of the soldier with and without arms; squad and platoon drill; parades, reviews, inspections, and other ceremonies.

MILITARY STAFF

## M S 102—MILITARY DRILL—0 cr. (0 and 3)

A continuation of M S 101.

MILITARY STAFF

## M S 103—MILITARY SCIENCE AND TACTICS (BASIC)—1 cr. (2 and 0)

Training to instill discipline and habitual obedience to orders, to develop qualities of leadership and good citizenship, and to provide basic military instruction. Principal topics are military organization, National Defense Act and the ROTC, and weapons and marksmanship.

LT. COL. SMITH  
MAJOR BYERTS

MAJOR MYERS  
CAPTAIN COAKLEY

CAPTAIN HUENERS  
LT. JAMES

## M S 104—MILITARY SCIENCE AND TACTICS (BASIC)—1 cr. (2 and 0)

A continuation of M S 103. Principal topics are leadership, organization, hygiene and first aid, and maps and aerial photographs. *Prerequisite:* M S 103

LT. COL. SMITH  
MAJOR BYERTS

MAJOR MYERS  
CAPTAIN COAKLEY

CAPTAIN HUENERS  
LT. JAMES

## M S 201—MILITARY DRILL—0 cr. (0 and 3)

Continued training in customs, discipline, and leadership to prepare and develop cadets for duties as senior noncommissioned officers and for integration into the Advanced ROTC. Principal topics are principles of discipline; military courtesy; customs of the Army; drill of the soldier, with and without arms; squad and platoon drill; voice commands; parades, reviews, inspections, and other ceremonies.

MILITARY STAFF

## M S 202—MILITARY DRILL—0 cr. (0 and 3)

A continuation of M S 201.

MILITARY STAFF

## M S 203—MILITARY SCIENCE AND TACTICS (BASIC)—1 cr. (2 and 0)

Continued training to instill discipline and habitual obedience to orders, and to provide further instruction in basic military subjects prerequisite to the specialized training of the advanced course. Principal topics are organization, military law and boards, and maps and aerial photographs. *Prerequisite:* M S 104

LT. COL. WATSON MAJOR HALL CAPTAIN ANDERSON CAPTAIN CRONIN

## M S 204—MILITARY SCIENCE AND TACTICS (BASIC)—1 cr. (2 and 0)

A continuation of M S 203. Principal topics are physical development methods, evolution of warfare, and military administration. *Prerequisite:* M S 203

LT. COL. WATSON MAJOR HALL CAPTAIN ANDERSON CAPTAIN CRONIN

## M S 301—MILITARY DRILL—0 cr. (0 and 3)

Training for duty as officers by application of principles of leadership in actual command during drills, parades, reviews, inspection, and ceremonies.

MILITARY STAFF

## M S 302—MILITARY DRILL—0 cr. (0 and 3)

A continuation of M S 301.

MILITARY STAFF

## M S 303—MILITARY SCIENCE AND TACTICS (INFANTRY)—3 cr. (4 and 0)

Theoretical and practical training on an advanced level in subjects applicable to the Army as a whole, together with tactics and techniques employed by the Infantry. Principal topics are military leadership, psychology and personnel management, military law and boards, and training in tactics and techniques as applies to small infantry units. *Prerequisite:* M S 204

CAPTAIN SMITH

## M S 304—MILITARY SCIENCE AND TACTICS (INFANTRY)—3 cr. (4 and 0)

A continuation of M S 303. Principal topics are leadership, troop movements, and continued training in tactics and techniques as applies to small infantry units. *Prerequisite:* M S 303.

CAPTAIN SMITH

M S 305—MILITARY SCIENCE AND TACTICS (QUARTERMASTER)—3 cr. (4 and 0)

Theoretical and practical training on an advanced level in subjects applicable to the Army as a whole, together with tactics and techniques utilized by the Quartermaster Corps. Principal topics are military leadership, psychology and personnel management, military law and boards, and training in tactics and techniques as applies to the Quartermaster Corps Units. *Prerequisite:* M S 204

CAPTAIN CRONIN

M S 306—MILITARY SCIENCE AND TACTICS (QUARTERMASTER)—3 cr. (4 and 0)

A continuation of M S 305. Principal topics are organization supply, station and depot supply, and continued training in tactics and techniques as applies to Quartermaster Corps Units. *Prerequisite:* M S 305

CAPTAIN CRONIN

M S 307—MILITARY SCIENCE AND TACTICS (SIGNAL CORPS)—3 cr. (4 and 0)

Theoretical and practical training on an advanced level in subjects applicable to the Army as a whole, together with tactics and techniques utilized by the Signal Corps. Principal topics are military leadership, psychology and personnel management, military law and boards, and training in tactics and techniques as applies to Signal Corps Units. *Prerequisite:* M S 204

CAPTAIN NAUCK

M S 308—MILITARY SCIENCE AND TACTICS (SIGNAL CORPS)—3 cr. (4 and 0)

A continuation of M S 307. Principal topics are radio, and wire communications, and continued training in tactics and techniques as applies to Signal Corps Units. *Prerequisite:* M S 307

CAPTAIN NAUCK

## M S 309—AIR SCIENCE AND TACTICS—3 cr. (4 and 0)

Theoretical and practical training on an advanced level in general subjects applicable to the Air Force and Army and in subjects applicable to the Air Force only. Principal topics are military leadership; psychology and personnel management; military law and boards; history of the Air Force; organization of the Air Force; administration and personnel management; Air Force training; Air Force inspection systems; Air Force statistical control methods; Air Force supply and navigation. *Prerequisite*: M S 204

MAJOR BYERTS      MAJOR MYERS      CAPTAIN HUENERS      LT. JAMES

## M S 310—AIR SCIENCE AND TACTICS—3 cr. (4 and 0)

A continuation of M S 309. Principal topics are air intelligence and combat orders, transportation, aeronautics, communications, guided missiles, meteorology, and air operations. *Prerequisite*: M S 309

MAJOR BYERTS      MAJOR MYERS      CAPTAIN HUENERS      LT. JAMES

## M S 315—MILITARY SCIENCE AND TACTICS (ARMORED CAVALRY)—3 cr. (4 and 0)

Theoretical and practical training on an advanced level in subjects applicable to the Army as a whole, together with tactics and techniques employed by the Armored Cavalry. Principal topics are military leadership; psychology and personnel management; military law and boards; and training in tactics and techniques as applies to small Armored Cavalry Units to include organization, communications, and motors and transportation. *Prerequisite*: M S 204

CAPTAIN GRAMLING

## M S 316—MILITARY SCIENCE AND TACTICS (ARMORED CAVALRY)—3 cr. (4 and 0)

A continuation of M S 315. Principal topics are geographical foundations of national power, and training in tactics and techniques as applies to small Armored Cavalry Units to include tank driving and gunnery. *Prerequisite*: M S 315

CAPTAIN GRAMLING

## M S 317—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS)—3 cr. (4 and 0)

Theoretical and practical training on an advanced level in subjects applicable to the Army as a whole, together with tactics and techniques

employed by the Corps of Engineers. Principal topics are military leadership; psychology and personnel management; military law and boards; organization of Engineer units; Engineer combat principles; organization of the ground and field fortifications; the place of the engineers in the military team. *Prerequisite:* M S 204

MAJOR FOSTER

M S 318—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS)  
—3 cr. (4 and 0)

A continuation of M S 317. Principal topics are military sketching; military roads, bridge design and classification; camouflage; Engineer reconnaissance; explosives and demolition; job management. *Prerequisite:* M S 317

MAJOR FOSTER

M S 319—MILITARY SCIENCE AND TACTICS (ORDNANCE DEPARTMENT)  
—3 cr. (4 and 0)

Theoretical and practical training on an advanced level in subjects pertaining to the Army as a whole, together with tactics and techniques utilized by the Ordnance Department. Principal topics are military leadership, psychology and personnel management, military law and boards, organization of the Ordnance Department, maintenance, supply procedures, and ammunition materiel and supply. *Prerequisite:* M S 204

CAPTAIN BYNUM

M S 320—MILITARY SCIENCE AND TACTICS (ORDNANCE DEPARTMENT)  
—3 cr. (4 and 0)

A continuation of M S 319. Principal topics are ordnance materiel to include automotive, artillery, small arms and fire control. *Prerequisite:* M S 319

CAPTAIN BYNUM

M S 401—MILITARY DRILL—0 cr. (0 and 3)

Continued training of officers by application of instruction, methods, and principles of leadership in positions of command during drills, parades, reviews, inspections, and ceremonies.

MILITARY STAFF

M S 402—MILITARY DRILL—0 cr. (0 and 3)

A continuation of M S 401.

MILITARY STAFF

M S 403—MILITARY SCIENCE AND TACTICS (INFANTRY)—3 cr. (4 and 0)

Theoretical and practical instruction in command, leadership, combat principles, and development of initiative and responsibility for qualification as junior officers of the Infantry Arm. Principal topics are military teaching methods, geographical foundations of national power, military mobilization and demobilization, and training in the tactics and techniques of Infantry to include crew-served weapons. *Prerequisite:* M S 304

LT. COL. WATSON

M S 404—MILITARY SCIENCE AND TACTICS (INFANTRY)—3 cr. (4 and 0)

A continuation of M S 403. Principal topics are command and staff functions, psychological warfare, troop movements, combat intelligence and continued training in the tactics and techniques of the Infantry to include new developments of clothing, equipment, and employment of the Infantry. *Prerequisite:* M S 403

LT. COL. WATSON

M S 405—MILITARY SCIENCE AND TACTICS (QUARTERMASTER)—3 cr. (4 and 0)

Theoretical and practical instruction in command, leadership, combat principles, and development of initiative and responsibility for qualification as junior officers of the Quartermaster Corps. Principal topics are military teaching methods, geographical foundations of national power, military mobilization and demobilization, and training in the tactics and techniques employed by the Quartermaster Corps in execution of their assigned mission. *Prerequisite:* M S 306

MAJOR HALL

M S 406—MILITARY SCIENCE AND TACTICS (QUARTERMASTER)—3 cr. (4 and 0)

A continuation of M S 405. Principal topics are command and staff functions, psychological warfare, procurement, supply handling, and continued training in the tactics and techniques peculiar to the Quartermaster Corps. *Prerequisite:* M S 405

MAJOR HALL

M S 407—MILITARY SCIENCE AND TACTICS (SIGNAL CORPS)—3 cr. (4 and 0)

Theoretical and practical instruction in command, radio and wire communications, leadership, combat principles, and development of initiative and

responsibility for qualification as junior officers of the Signal Corps. Principal topics are geographical foundations of national power, military mobilization and demobilization, and training in the tactics and techniques of the Signal Corps in the execution of their assigned mission. *Prerequisite:* M S 308

CAPTAIN NAUCK

M S 408—MILITARY SCIENCE AND TACTICS (SIGNAL CORPS)—3 cr. (4 and 0)

A continuation of M S 407. Principal topics are command and staff functions, psychological warfare, signal supply, signal communications, and continued training in tactics and techniques employed by the Signal Corps. *Prerequisite:* M S 407

CAPTAIN NAUCK

M S 409—AIR SCIENCE AND TACTICS—3 cr. (4 and 0)

Theoretical and practical training in Air Force Maintenance Engineering. Principal topics are military teaching methods, psychological warfare, command and staff, military mobilization and demobilization, the aircraft maintenance officer, technical publications, flight line maintenance, inspection and maintenance procedures, and crew chief systems. *Prerequisite:* M S 310

MAJOR BYERTS      MAJOR MYERS

M S 410 AIR SCIENCE AND TACTICS—3 cr. (4 and 0)

A continuation of M S 409. Principal topics are combat intelligence, specialized maintenance, supervisor of maintenance, base shops, maintenance control, flight test, technical supply, evaluation and testing and the duties of the air inspector. *Prerequisite:* M S 409.

MAJOR BYERTS      MAJOR MYERS

M S 411—AIR SCIENCE AND TACTICS—3 cr. (4 and 0)

Theoretical and practical training in Air Force Transportation. Principal topics are military teaching methods, command and staff, psychological warfare, military mobilization and demobilization, transportation organization, military motor transportation, air transportation, water transportation, and operation of government owned railroad equipment. *Prerequisite:* M S 310

CAPTAIN HUENERS      LT. JAMES

M S 412—AIR SCIENCE AND TACTICS—3 cr. (4 and 0)

A continuation of M S 411. Principal topics are combat intelligence and commercial transportation. *Prerequisite:* M S 411

CAPTAIN HUENERS      LT. JAMES

M S 415—MILITARY SCIENCE AND TACTICS (ARMORED CAVALRY)—3 cr.  
(4 and 0)

Theoretical and practical instruction in command and leadership, combat principles, and development of initiative and responsibility for qualification as junior officers of the Armored Cavalry Arm. Principal topics are military teaching methods, command and staff, psychological warfare, military mobilization and demobilization, and continued training in the tactics and techniques of Armored Cavalry to include new developments, supply, and maintenance. *Prerequisite:* M S 315

LT. COL. SMITH

M S 416—MILITARY SCIENCE AND TACTICS (ARMORED CAVALRY)—3 cr.  
(4 and 0)

A continuation of M S 415. Principal topics are combat intelligence and continued training in tactics and techniques of Armored Cavalry. *Prerequisite:* M S 415

LT. COL. SMITH

M S 417—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS)  
—3 cr. (4 and 0)

Theoretical and practical instruction in command, leadership, combat principles, tactics and techniques employed by the Corps of Engineers, and development of initiative and responsibility for qualification as junior officers in the Corps of Engineers. Principal topics are command and staff, military teaching methods, engineer combat principles, engineer estimates and orders, engineer supply, airborne and amphibious operations. *Prerequisite:* M S 318

MAJOR FOSTER

M S 418—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS)  
—3 cr. (4 and 0)

A continuation of M S 417. Principal topics are construction and utilities, engineer reconnaissance, engineer signal communication, river crossing operations, and water supply. *Prerequisite:* M S 417

MAJOR FOSTER

M S 419—MILITARY SCIENCE AND TACTICS (ORDNANCE DEPARTMENT)  
—3 cr. (4 and 0)

Theoretical and practical instruction in command, leadership, combat principles, and development of initiative and responsibility for qualifications as junior officers of the Ordnance Department. Principal topics are command and staff functions; military teaching methods; leadership; drill and exercise

of command and training in the tactics and techniques of Ordnance to include maintenance and supply procedures; ammunition materiel and supply; automotive, artillery, and fire control material. *Prerequisite:* M S 320

CAPTAIN BYNUM

M S 420—MILITARY SCIENCE AND TACTICS (ORDNANCE DEPARTMENT)  
—3 cr. (4 and 0)

A continuation of M S 419. Principal topics are small arms materiel and a thirty-nine hour course of Materiel Speciality Inspection. *Prerequisite:* M S 419

CAPTAIN BYNUM

### MUSIC

MR. MCGARITY

MUSIC 402—MUSIC APPRECIATION—3 cr. (3 and 0)

This course is a comprehensive study of the development of music and factors leading toward the understanding of better music. Records and piano renditions of representative literature of outstanding composers are offered. This course is required for all students in Education, Vocational Agricultural Education, and Industrial Education.

MR. MCGARITY

### PHYSICS

MR. HUFF

MR. LINDSEY

MR. JARRELL

MR. MARTIN

MR. MENIUS

MR. SHACKLEFORD

MR. SUDDETH

MR. A. R. REED

MR. WOOD

MR. TURNER

MR. C. A. REED

MR. MITCHELL

MR. WATKINS

\*MR. CLARK

PHYS 201—GENERAL PHYSICS—3 cr. (3 and 0)

A study of mechanics and heat including the laws of motion, equilibrium, machines, mechanical and thermal properties of solids, liquids, and gases, thermometry and heat transfer. *Prerequisite:* Registration in Phys 203

PHYSICS STAFF

\*On leave

## PHYS 202—GENERAL PHYSICS—3 cr. (3 and 0)

A continuation of the previous course covering wave motion, sound, geometrical optics, light waves and spectra, magnetism, static and current electricity, circuits, and electrical machines. *Prerequisites:* Phys 201; registration in Phys 204

PHYSICS STAFF

## PHYS 203—GENERAL PHYSICS LABORATORY—1 cr. (0 and 3)

Experiments testing the laws studied in Phys 201, giving experience in measuring the physical properties of matter and practice in the use of precision instruments and the treatment of observed data. *Prerequisite:* Registration in Phys 201

PHYSICS STAFF

## PHYS 204—GENERAL PHYSICS LABORATORY—1 cr. (0 and 3)

Experiments with sound waves, lenses, refraction and diffraction of light, magnetic fields, electrical circuits, measurements with electrical instruments. *Prerequisite:* Registration in Phys 202

PHYSICS STAFF

## PHYS 211—GENERAL PHYSICS FOR ENGINEERING—4 cr. (4 and 0)

This course covers the same topics as Phys 201 but with more emphasis on the solution of problems and applications to engineering. *Prerequisites:* Math 103 and 104; registration in Phys 213

PHYSICS STAFF

## PHYS 212—GENERAL PHYSICS FOR ENGINEERING—4 cr. (4 and 0)

A continuation of Phys 211 covering the same topics as Phys 202 with emphasis on applications to engineering problems. *Prerequisites:* Math 103 and 104; registration in Phys 214

PHYSICS STAFF

## PHYS 213—GENERAL PHYSICS LABORATORY—1 cr. (0 and 3)

The same topics are covered as in Phys 203 but more precise apparatus is provided and more advanced experiments are performed. *Prerequisite:* Registration in Phys 211

PHYSICS STAFF

**PHYS 214—GENERAL PHYSICS LABORATORY—1 cr. (0 and 3)**

A continuation of Phys 213 with emphasis on the accurate measurement of electrical quantities and the properties of light. *Prerequisite:* Registration in Phys 212

PHYSICS STAFF

**PHYS 301—INTRODUCTION TO MODERN PHYSICS—3 cr. (3 and 0)**

A continuation of the General Physics course to cover the important experiments of the current century, including the measurement of the properties of electrons, and other particles, and an introduction to the theories based on these experiments. *Prerequisites:* Phys 201 and 202 or 211 and 212. Math 203 and 204

MR. HUFF

**PHYS 303—EXPERIMENTS IN MODERN PHYSICS—1 cr. (0 and 3)**

Measurements of the charge and mass of the electron, studies of thermo- and photo-electric effects, measurements with radioactive materials and with X-rays. *Prerequisite:* Registration in Phys 301

MR. HUFF

**PHYS 304—DESCRIPTIVE ASTRONOMY—3 cr. (3 and 0)**

A survey of the properties of the planets and their satellites, their actual and apparent motions, the properties of stars and nebulae, and introduction of the determination of latitude and longitude. *Prerequisites:* Phys 201 and 202 or 211 and 212

MR. HUFF

**PHYS 308—SOUND AND ACOUSTICS—3 cr. (3 and 0)**

A study of the production, propagation, properties and measurement of sound waves with emphasis on the acoustics of buildings. *Prerequisites:* Phys 201 and 202 or 211 and 212; registration in Math 201 or 203

MR. C. A. REED

**PHYS 312—HEAT AND KINETIC THEORY—3 cr. (3 and 0)**

Instruction in thermometry, calorimetry, change of state, kinetic theory of gases and elements of thermodynamics with emphasis on chemical applications. *Prerequisites:* Phys 201 and 202 or 211 and 212; Math 203 and 204

MR. LINDSEY

## PHYS 314—EXPERIMENTAL HEAT—2 cr. (0 and 6)

Practical instruction in the measurement of high and low temperatures, thermal properties of solids, liquids, and gases; heats of combustion, heat conduction and radiation. *Prerequisite:* Registration in Phys 312

MR. LINDSEY

## PHYS 321—MECHANICS AND PROPERTIES OF MATTER—3 cr. (3 and 0)

A study of the motions of particles and of rigid bodies, gyroscopes, elasticity, surface tension, the flow of fluids, gravitation. *Prerequisites:* Phys 201 and 202 or 211 and 212; Math 203 and 204

MR. LINDSEY

## PHYS 323—EXPERIMENTAL MECHANICS—2 cr. (0 and 6)

Practice in the precise measurements of length, mass, and time; experiments with pendulums, gyroscopes, and other mechanical apparatus. *Prerequisite:* Registration in Phys 321

MR. LINDSEY

## PHYS 332—LIGHT—3 cr. (3 and 0)

Introduction in the formation of images by lenses and mirrors and the design of optical instruments; theory of interference and diffraction of light waves, polarization; applications to spectroscopy and precision measurement. *Prerequisites:* Phys 201 and 202 or 211 and 212; Math 203 and 204

MR. JARRELL

## PHYS 334—EXPERIMENTAL LIGHT—2 cr. (0 and 6)

Measurements of the properties of lens systems and the defects of the images produced, the effects of slits on light waves, measurements with a spectrograph, use of the interferometer, polarimetry. *Prerequisite:* Registration in Phys 332

MR. JARRELL

## PHYS 341—MAGNETISM AND ELECTRICITY—3 cr. (3 and 0)

A study of the magnetic and electrical properties of materials, electrical circuits, properties of electromagnetic fields, electromagnetic waves. *Prerequisites:* Phys 201 and 202 or 211 and 212; Math 203 and 204

MR. JARRELL

## PHYS 343—EXPERIMENTAL ELECTRICITY—2 cr. (0 and 6)

Measurements with precision electrical instruments including bridges and potentiometers; low and high frequency circuits; standing waves on wires. *Prerequisite*: Registration in Phys 341

MR. JARRELL

## PHYS 401—SENIOR THESIS AND SEMINAR—3 cr. (1 and 6)

This course is intended to give the student a general knowledge of current trends in physics as well as a more detailed review of the historical papers in the field. The Senior Thesis is a semi-original piece of work under the direction of the physics staff. The work in general is done in one of the following fields: X-ray, electron microscopy, ultra-violet spectroscopy, and electronics. *Prerequisite*: At least three physics courses beyond General Physics

PHYSICS STAFF

## PHYS 452—ATOMIC AND NUCLEAR PHYSICS—3 cr. (3 and 0)

Elementary development in quantum theory; applications to electron arrangements in atoms, molecular beams, atomic and molecular spectra; considerations of nuclear structure, fission and atomic energies. *Prerequisites*: Phys 301, completion of two of the courses Phys 312, 321, 332, 341

MR. MENIUS

## PHYS 463—INTRODUCTION TO MATHEMATICAL PHYSICS—5 cr. (5 and 0)

A study of the general methods used in attacking mechanical problems in physics. Typical topics are: the linear oscillator; Lagranges and Hamilton's equations; motion of rigid bodies; normal coordinates and coupled systems; vibrating strings, membranes and solids; and the flow of fluids. *Prerequisite*: Math 306 and permission of instructor

MR. MENIUS

## PHYS 464—INTRODUCTION TO MATHEMATICAL PHYSICS—5 cr. (5 and 0)

The general laws of electromagnetism are first developed and then applied in a unified manner to the classical theory of electromagnetic radiation. Besides the usual discussion of reflection, refraction and diffraction of electromagnetic radiation some time is devoted to wave guides and cavity resonators. *Prerequisite*: Math 306 and permission of instructor

MR. MENIUS

## PHYS 471—INTRODUCTION TO QUANTUM MECHANICS—3 cr. (3 and 0)

An introductory course formulating the mathematical and physical ideas associated with wave mechanics. Solutions of simple physical systems including the hydrogen atom are discussed. *Prerequisites:* Phys 301 and Math 306

MR. MENIUS

## PHYS 501—RESEARCH—3 cr. (0 and 6)

Instruction in methods of research including investigation in the laboratory, a search through physics journals, and presentation of results in a research seminar. A research problem will be carried out under the direction of one member of the faculty.

MR. HUFF      MR. LINDSEY      MR. MENIUS

## PHYS 502—RESEARCH—3 cr. (0 and 6)

A continuation of Physics 501 carrying the research to completion.

MR. HUFF      MR. LINDSEY      MR. MENIUS

## PHYS 512—KINETIC THEORY AND STATISTICAL MECHANICS—3 cr. (3 and 0)

A development of the kinetic theory of gases including derivations of relationships between molecular diameters, distribution of velocities, mean free paths, viscosity, thermal conductivity, specific heat, entropy, probability and reaction kinetics. The basic concepts of statistical mechanics for classical and quantum systems will be developed.

MR. HUFF

## PHYS 521—DYNAMICS—3 cr. (3 and 0)

A study of the more advanced phase of dynamics including the equations of Lagrange and Hamilton, generalized coordinates, oscillatory and cyclic motion and the Newtonian potential theory.

MR. LINDSEY

## PHYS 541—ELECTRODYNAMICS—3 cr. (3 and 0)

This course starts with Maxwell's equations for electric and magnetic fields and includes consideration of production and propagation of electromagnetic waves, wave optics and theories of interference and diffraction.

MR. MENIUS

## PHYS 551—INTRODUCTION TO QUANTUM MECHANICS—3 cr. (3 and 0)

An introductory course formulating the mathematical and physical ideas associated with wave mechanics. Solution of simple physical systems including the hydrogen atom are discussed. *Prerequisites*: Phys 301 and Math 306

## PHYS 552—THEORY OF ATOMIC SPECTRA—3 cr. (3 and 0)

A study of the excitation of spectra, computation of wave lengths from spectral photographs, the computation of energy levels and the correlation with theories of atomic structure.

MR. HUFF

## PHYS 553—NUCLEONICS—3 cr. (3 and 0)

This course is designed to give the basic properties of and the experimental methods employed in the study of particles associated with the nucleus. A survey is made of the theories so far advanced for the interaction of these particles and the theories pertaining to the structure of simple nuclei.

MR. MENIUS

## POULTRY HUSBANDRY

MR. MORGAN

MR. COOPER

## P H 301, 303—FARM AND COMMERCIAL POULTRY PRODUCTION—4 cr. (3 and 3)

A study of the nature and uses of poultry products, scope of the industry and agencies involved, classification of poultry, structure of the fowl, fundamentals of flock improvement, incubation, brooding, feeding, housing, disease control and sanitation, and the economic aspects of poultry production as a farm enterprise and a commercial business.

MR. MORGAN

## P H 451—POULTRY BREEDING—3 cr. (2 and 3)

A study of poultry improvement through culling and selection for meat and egg production and standard breed and variety characteristics, and the application of genetics to the problems of poultry breeding. *Prerequisites*: P H 301, 303 and Dairy 301 or Agron 302

MR. MORGAN

## P H 452—POULTRY FEEDING AND FLOCK MANAGEMENT—3 cr. (2 and 3)

A study of the nutritive requirements of poultry, dietary deficiencies and curative factors, the compounding of rations for growing, laying and breeding flocks of chickens and turkeys, the value of various feedstuffs and management practices with chickens and turkeys for maximum economic returns. *Prerequisites:* A H 301, P H 301 and 303

MR. MORGAN

## P H 455—POULTRY GRADING AND PROCESSING—3 cr. (2 and 3)

A study of the classes, grades and judging of market poultry and poultry products, and the preparation, packaging, processing, storage and freezing preservation of eggs and poultry for market. *Prerequisites:* P H 301 and 303

MR. COOPER

## P H 456—INCUBATION AND BROODING—3 cr. (2 and 3)

A study of the principles and practices of incubation and brooding of the various species of poultry, hatchery management and commercial broiler production. *Prerequisites:* P H 301 and 303

MR. COOPER

## P H 459—POULTRY DISEASES AND PARASITES—3 cr. (2 and 3)

A study of the causes, occurrence, symptoms, treatment and prevention of poultry diseases and the identification, life history, symptoms, treatment and prevention of poultry parasites. Sanitary practices on poultry farms and in hatcheries and market establishments, and eradication and control measures for specific diseases and parasites will be considered. *Prerequisites:* P H 301, 303, Bact 301, 303 and V S 401

MR. COOPER

## P H 460—SEMINAR—2 cr. (2 and 0)

A study and discussion of current research and commercial problems in poultry production and marketing and selected special topics not fully covered in subject matter courses. *Prerequisites:* P H 301, 303 and pursuing major study in Poultry Husbandry

MR. MORGAN AND POULTRY STAFF

**PSYCHOLOGY**

MR. WAITE

**PSYCH 301—GENERAL PSYCHOLOGY—3 cr. (3 and 0)**

A survey of the field of psychology: development and adjustment, motivation, emotions, intelligence, personality, the sensory experiences, perception, learning, thinking, imagination, and mental hygiene. *Prerequisite:* Junior standing

MR. WAITE

**PSYCH 302—SOCIAL PSYCHOLOGY—3 cr. (3 and 0)**

A study of the interaction between the individual and the forces of society: the classical theories, the psychobiological bases of human behavior, the sociocultural bases of behavior, types of human behavior, overt and covert experiences, symbolism, personality, and social interaction. *Prerequisite:* Psych 301

MR. WAITE

**PSYCH 401—APPLIED PSYCHOLOGY—3 cr. (3 and 0)**

An advanced course based upon the concepts of general psychology. The material includes causation in behavior, the psychology of attitudes, morale, the basic principles of motivation and work, individual differences, psychological testing in industry, interview techniques, motion and time analysis, industrial fatigue, psychological fatigue and related phenomena, accidents and their prevention, the working environment, psychological factors in labor turnover, advertising and consumer psychology and psychology in professional life. *Prerequisite:* Psych 301

MR. WAITE

**RELIGION**

MR. CROUCH

**REL 201—OLD TESTAMENT—3 cr. (3 and 0)**

An outline study of the Old Testament with special emphasis on the prophets.

**REL 203—LIFE OF CHRIST—3 cr. (3 and 0)**

A study of the life of Christ beginning with a brief historical background of the world into which Christ came. The purpose of this course is to give a complete chronological picture of the life of Christ.

## REL 305—NEW TESTAMENT OUTLINE—3 cr. (3 and 0)

A study of the background and beginnings of the Christian Movement.

## SOCIOLOGY

MR. BURTNER

MR. WAITE

## SOC 301—INTRODUCTORY SOCIOLOGY—3 cr. (3 and 0)

A study of the basic principles of sociology: culture, biological factors, the influence of geographical environment, human nature, group life, crowds, publics, social classes, cooperation, competition, conflict, accommodation, assimilation, human ecology, communities, social institutions, and social change. *Prerequisite:* Junior standing

SOCIOLOGY STAFF

## SOC 401—SOCIAL PROBLEMS—3 cr. (3 and 0)

A survey of the major social problems: Their background, group conflict, race conflict, war, the nature of population problems, social problems of industry, education, religion, disease and public health, poverty, dependency, and factors affecting social adjustment. *Prerequisite:* Soc 301

MR. BURTNER

## SOC 402—THE FAMILY—3 cr. (3 and 0)

An inquiry into the problems of marriage and family life: the history of the family, the sociology of family life, mate selection, and courtship, husband-wife relationships, parents-child interaction, divorce, and conservation of family values. *Prerequisite:* Senior standing

MR. WAITE

## SOC 403—CRIMINOLOGY—3 cr. (3 and 0)

A consideration of the major problems of crime and its treatment: causes of crime, criminal behavior, theories and practices in the treatment of criminals, and prevention of crime. *Prerequisite:* Soc 301

MR. WAITE

## SOC 405—INDUSTRIAL SOCIOLOGY—3 cr. (3 and 0)

A study of industry as a social organization together with the scientific examination of personality industrial relations; the factory as a social system;

problems of management; problems of labor; problems of special groups in industry; labor-management relations; and industry and the community. *Prerequisite*: 3 cr. of sociology and permission of the instructor

MR. BURTNER

SOC 406—REGIONAL SOCIOLOGY—3 cr. (3 and 0)

An analysis and survey of American regions. Emphasis is placed upon facts, factors, and policies pertaining to geography, population, culture, resources and waste, social institutions and planning methods of investigating regions in terms of social science. *Prerequisite*: 3 cr. of sociology

MR. BURTNER

SPANISH

MR. DEAN

MR. HARDEE

SPAN 101—ELEMENTARY SPANISH—3 cr. (3 and 0)

A course for beginners in which through conversation, composition, and dictation the fundamentals of the language are taught and a foundation provided for further study and the eventual ability to read and speak the language.

MR. HARDEE

SPAN 102—ELEMENTARY SPANISH—3 cr. (3 and 0)

A continuation of Span 101, in which a reader is also used.

MR. DEAN      MR. HARDEE

SPAN 201—INTERMEDIATE SPANISH—3 cr. (3 and 0)

A short review of grammar with conversation, composition, and dictation continued from Span 102 and the beginning of more serious reading of Spanish prose in short stories or novels.

MR. DEAN

SPAN 202—INTERMEDIATE SPANISH—3 cr. (3 and 0)

While attention is paid to writing and speaking Spanish, more stress is laid on the rapid reading of more difficult Spanish prose than in the earlier courses.

MR. DEAN

## SPAN 301—ADVANCED SPANISH—3 cr. (3 and 0)

Rapid reading of difficult literary or scientific Spanish prose.

MR. DEAN      MR. HARDEE

## SPAN 302—ADVANCED SPANISH—3 cr. (3 and 0)

A continuation of Span 301, with selections being made to suit the needs of the students.

MR. DEAN      MR. HARDEE

## TEXTILE CHEMISTRY AND DYEING

MR. LANGSTON      MR. LINDSAY  
MR. RAINEY      MR. EZELL

## T C 301—TEXTILE CHEMISTRY—2 cr. (2 and 0)

An introductory course for Textile Manufacturing students covering chiefly the structure and behavior of the less complex organic chemicals employed in the textile industry up to and including the simpler carbohydrates. *Prerequisite:* Chem 102

MR. LANGSTON      MR. EZELL

## T C 302—TEXTILE CHEMISTRY—2 cr. (2 and 0)

A continuation of T C 301 and 303 covering more complex compounds; starches, cellulose, proteins, dyestuffs, and synthetic fibers and resins. Much of the laboratory work is devoted to the analysis of such materials as sizes, finishes and fabrics composed of various fiber mixtures. *Prerequisite:* Chem 102

MR. LANGSTON      MR. RAINEY

## T C 303—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be taken concurrently with T C 301.

MR. LANGSTON      MR. EZELL

## T C 304—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be taken concurrently with T C 302.

MR. LANGSTON      MR. RAINEY

## T C 305—TEXTILE CHEMISTRY—4 cr. (4 and 0)

A comprehensive course for Textile Chemistry majors covering aliphatic organic compounds with major emphasis on products essential to the textile industry. *Prerequisite*: Chem 104

MR. RAINEY

## T C 306—TEXTILE CHEMISTRY—4 cr. (4 and 0)

A continuation of T C 305 and 307 covering the aromatic compounds with particular attention to the chemistry of dyes and dye intermediates. *Prerequisite*: Chem 104

MR. RAINEY

## T C 307—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be taken concurrently with T C 305.

MR. RAINEY

## T C 308—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be taken concurrently with T C 306.

MR. RAINEY

## T C 401—THE CHEMICAL PROCESSING OF TEXTILE MATERIALS—2 cr. (2 and 0)

A general study of the theory and practice involved in the chemical preparation of all types of fibers for textile use from the raw state through to the finished fabric. Such processes as scouring, bleaching, mercerizing, and the less complex dyeing procedures are covered. *Prerequisites*: T C 302 and 304

MR. LINDSAY      MR. LANGSTON

## T C 402—THE CHEMICAL PROCESSING OF TEXTILE MATERIALS—2 cr. (2 and 0)

A continuation of T C 402 and 404 covering the more advanced dyeing procedures with general coverage of textile printing as well as the many processes involved in textile finishing such as shrink-proofing, flame-

proofing, crease resistance, and water repellancy. *Prerequisites:* T C 302 and 304

MR. LINDSAY

T C 403—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be scheduled concurrently with T C 401.

MR. LINDSAY

T C 404—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be scheduled concurrently with T C 402.

MR. LINDSAY

T C 410—COLOR MATCHING AND TESTING—1 cr. (0 and 3)

The principles of color matching and mixing with practice in reproducing shades to standard, and testing color fastness of textiles by approved methods.

MR. LINDSAY

T C 442—THESIS—2 cr. (0 and 6)

An investigation by each Textile Chemistry senior of an assigned problem related to textile processing. A formal written report is required from each student. *Prerequisite:* Senior standing

MR. LINDSAY

T C 447—THE CHEMICAL PROCESSING OF TEXTILE MATERIALS—4 cr. (4 and 0)

A course for Textile Chemistry majors similar to T C 401 and 403 except that it is more comprehensive with emphasis on the problems involved in the supervision of a textile finishing plant. *Prerequisite:* T C 306 and 308

MR. LINDSAY

T C 449—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be scheduled concurrently with T C 447.

MR. LINDSAY

T C 452—THE CHEMICAL PROCESSING OF TEXTILE MATERIALS—4 cr. (4 and 0)

A continuation of T C 447 and 449. *Prerequisites:* T C 306 and 308

MR. LINDSAY

T C 454—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be scheduled concurrently with T C 452.

MR. LINDSAY

T C 455—CELLULOSE CHEMISTRY—3 cr. (3 and 0)

An introductory course covering the constitution and behavior of cellulose and its derivatives. Particular attention is given to the purification of wood and other raw materials used for the preparation of rayon pulps. *Prerequisites:* T C 306 and 308

MR. LANGSTON

T C 456—CHEMISTRY OF SYNTHETIC FIBERS AND FINISHES—2 cr. (2 and 0)

A study of the chemistry of large molecular substances such as nylon, vinyon, the rayons, and the protein-type synthetics. The varied synthetic resins used for special effects on textiles are covered in detail. *Prerequisites:* T C 306 and 308

MR. LANGSTON

### TEXTILE MANAGEMENT

	MR. BROWN	
MR. EATON	MR. CAMPBELL	MR. GRAHAM
MR. HEYN	MR. CARSON	MR. LAROCHE
	MR. EDWARDS	MR. WHITTEN

T M 101—INTRODUCTION TO TEXTILES—3 cr. (2 and 3)

An introduction to textile manufacturing. Elementary studies of staple fibers, and machinery involved in converting them into yarns and fabrics.

MR. GRAHAM      MR. WHITTEN

T M 401—TEXTILE COSTING—5 cr. (3 and 6)

A study in the principles of costing as they apply to the manufacture

of textiles. Allocating the cost of material, labor and overhead; determining the costs of individual yarns and fabrics; valuing the inventory; making of cost reports and payroll analysis. *Prerequisite:* Seniors majoring in Textiles

MR. CAMPBELL

T M 403—TEXTILE MANAGEMENT—3 cr. (3 and 0)

The mill and its equipment; control of labor costs; selection of materials; production controls and the use of budgets.

MR. EATON

T M 454—TIME STUDY—3 cr. (2 and 3)

Rating method; job analysis; establishing wage scales; group-piece and premium plans.

MR. CARSON      MR. LAROCHE

T M 460—NATURAL FIBERS—3 cr. (3 and 0)

Fundamental properties of textile fibers as studied from the chemical, physical, and botanical side. The microscopic and molecular structure development in the plant, and extraction and preparation from the plant. Survey of plant fibers and fiber plants and more complete discussion of the main natural (plant and animal) fibers. Methods of fiber research. *Prerequisite:* Senior standing

MR. HEYN

T M 461—MANUFACTURED FIBERS—3 cr. (3 and 0)

This course is designed to give the students an overall picture of the production processes and fundamental properties of the more important man-made fibers. Special stress will be placed on the relation of the various physical properties to the manufacture and purpose of the end products in which these fibers are used. *Prerequisite:* Senior Standing

MR. HEYN

T M 462—TEXTILE MICROSCOPY—2 cr. (1 and 3)

This course is especially planned to enable the student to utilize the microscope for examination and identification of textile fibers and materials used in the textile and related industries. *Principal Topics:* The preparation

of the various materials used in the textile industry for microscopic examination.

MR. HEYN      MR. EDWARDS

T M 464—PHYSICAL TEXTILE TESTING—2 cr. (1 and 3)

This course gives the student a comprehensive understanding of all the important machines and techniques used in physical testing of fibers, yarns, and fabrics. The applications of testing in modern textile research are stressed. *Prerequisite*: Senior standing

MR. BROWN      MR. EDWARDS

### VETERINARY SCIENCE

MR. FEELEY

V S 401—ANATOMY AND PHYSIOLOGY—3 cr. (2 and 3)

The purpose of the course is to give agricultural students a general knowledge of anatomy and physiology of farm animals. Principal topics studied include physiology of digestion, chemical and physical processes of digestion and absorption, common diseases, farm sanitation, and first aid treatment.

MR. FEELEY

V S 402—DISEASES OF ANIMALS—3 cr. (2 and 3)

A course designed to give agricultural students instruction in the recognition, causes, and treatment of the diseases of farm animals. The principles of etiology, pathology, diagnosis, symptoms, and treatment of infectious and noninfectious diseases are considered at length.

MR. FEELEY

### WEAVING AND DESIGNING

	MR. McKENNA	
MR. CARTEE	MR. BERRY	MR. JAMESON
MR. TARRANT	MR. GRAHAM	MR. LAROCHE
MR. WALTERS	*MR. HANCE	MR. WHITTEN
MR. WILLIAMS	MR. HUBBARD	

W D 201—FABRIC DESIGN—3 cr. (2 and 3)

A study of the basic weaves for cloth fabrication. Plain, twill, sateen

---

\*On leave

weaves, and their derivatives; drawing-in drafts, reed plan, chain drafts, shedding cam design, and analysis of fabrics to obtain weave.

MR. WILLIAMS      MR. JAMESON      MR. WHITTEN

W D 202—FABRIC DESIGN—2 cr. (1 and 3)

A study of the more complex and intricate weaves for fabrics. Extra warp and filling for weight and figure, filling reversible, double cloth, double plain and matelasse, Bedford Cord and pique, velveteen and corduroy, and Turkish towel. *Prerequisite:* W D 201

MR. JAMESON      MR. LAROCHE      MR. WHITTEN

W D 205—CAM LOOM MECHANISMS—1 cr. (0 and 3)

A study of the construction, mechanical operation, and adjustments of the cam loom. Analytical study of the loom, adjustment and timing of the shedding motion, adjustment and timing of the picking motion, the beating-up motion, let-off and take-up motions, gearing, speeds, production.

MR. WALTERS      MR. BERRY  
MR. GRAHAM      MR. LAROCHE      MR. WHITTEN

W D 206—CAM LOOM MECHANISMS—2 cr. (1 and 3)

A further study of the cam loom mechanisms to include the automatic filling transfer, filling feelers, filling cutters, filling stop motion, warp stop motions, extra attachments such as tape selvage motions, auxiliary cams for twill and sateen weaves, and the various over-head attachments for shedding motions of more than two harnesses, loom calculations. *Prerequisite:* W D 205

MR. WALTERS      MR. WILLIAMS      MR. BERRY

W D 301—FABRIC STRUCTURE AND DESIGN—2 cr. (1 and 3)

A study of the plans, drafts, and specifications required for the production of plain, leno, and figured fabrics. Leno mechanisms and design; warp and filling layouts; weave combinations; fabric construction; ratio of intersections; harness, reed, and chain plans; warping and slashing plans. *Prerequisite:* W D 201

MR. MCKENNA      MR. TARRANT      MR. HUBBARD

W D 302—FABRIC ANALYSIS—2 cr. (1 and 3)

A study of the analysis of fabrics as they come to the mill for

reproduction. Methods of determining yards per pound from a small sample and from the yarn counts; overall and ground construction; selection of yarn counts; determining the design, drawing-in-draft, chain draft, and reed plan; warp dressing plan; cotton, wool, silk, and rayon fabrics. *Prerequisites:* W D 201, 202

MR. CARTEE

W D 305—DOBBY AND BOX MECHANISMS—1 cr. (0 and 3)

A study of the construction, mechanical operation, and adjustment of dobby and box mechanisms. Setting and timing of the cylinder, knives, dobby crank, and shed; study of the box mechanisms and the use of two or more filling yarns in the weaving of fancy fabrics; setting, aligning, and timing of the box motion, and the building of pattern chains. *Prerequisites:* W D 205, 206

MR. CARTEE      MR. TARRANT

W D 306—JACQUARD MECHANISM—2 cr. (1 and 3)

A study of the theory and mechanisms of the jacquard machine and its complementary equipment. Types of jacquard machines and principles of operation; methods of harness building; card cutting and lacing machines. *Prerequisites:* W D 201, 205

MR. McKENNA      MR. HUBBARD

W D 309—KNITTING—1 cr. (0 and 3)

A study of the principles of knitted fabric construction and hosiery production. Knitting mechanisms, construction of knitted fabrics and hosiery, rib knitting, hosiery machinery, fancy knitting, sinker-reverse plating, the float and the welt stitch principle, hosiery analysis, material costs, labor costs, overhead costs, knitting calculations.

W D 401—WARP PREPARATION—2 cr. (1 and 3)

A study of warping and slashing mechanisms and the plans and requirements for efficient operation. Types of warping equipment; slashing machinery; size mixtures and processing methods for cotton, rayon, and other fibers. *Prerequisite:* W D 301

MR. McKENNA

## W D 402—FABRIC DEVELOPMENT—2 cr. (1 and 3)

Production of woven patterns as studied in fundamental courses in the Weaving and Designing Department. Fabric development, analysis, and cloth order problems. *Prerequisites:* W D 301, 302, 305

MR. WALTERS

## YARN MANUFACTURING

MR. EATON

MR. GAGE

MR. HENDRICKS

MR. WILSON

MR. CAMPBELL

MR. LATHAM

MR. HENDRIX

MR. BLAIR

MR. THOMSON

## Y M 201—BLENDING AND CLEANING—3 cr. (2 and 3)

A study of the mechanical equipment used to open, blend and clean the raw materials and to prepare cotton and other staple fibers for succeeding yarn manufacturing processes. Blending of staple fibers; calculations for drafts, measuring devices, waste, evener motions and production.

MR. THOMSON

MR. HENDRIX

## Y M 202—CARDING—3 cr. (2 and 3)

A study of the theory and operation of the card as it is used in the processing of staple fibers and the doubling and drafting of sliver on the drawing frame. Card construction, settings, clothing, ratio of speeds and draft, production and waste studies on the card. Drawing frame construction, drafts and doubling.

MR. HENDRICKS

MR. WILSON

## Y M 301—ROVING FRAMES—3 cr. (2 and 3)

The construction and operation of fly frames. Drafting, twisting and winding on slubbers, intermediates, and Jack frames; production, rolls, spindles, and flyers, differential motions and cones, twist per inch, all calculations for these topics.

MR. HENDRICKS

MR. THOMSON

## Y M 302—SPINNING—3 cr. (2 and 3)

A study of the manufacturing possibilities of the ring spinning frame and ring twister as they are used in the processing of staple fibers. The theory of the spindle, ring and traveler, drafts, twist, builder motions, production, general machine construction, and problems applicable to machines.

MR. GAGE      MR. LATHEM

## Y M 305—COTTON MARKETING—1 cr. (0 and 3)

Cotton classing according to U. S. Government Standards for grades and staples. Classing and valuing all grades of cotton raised in U. S.; methods of ginning, marketing, and handling cotton; contracts and claims.

MR. GAGE

## Y M 306—COMBING—2 cr. (1 and 3)

A study of settings and adjustment of the comber and its preparatory machines; the value and use of its product. Timing and setting comber for various staples and required waste, production and other calculations; management; and operation of these machines.

MR. BLAIR

## ZOOLOGY

MR. WARE

MR. WARNHOFF

## ZOO 101, 103—GENERAL ZOOLOGY—4 cr. (3 and 3)

Designed to give the student thorough training in fundamental types and zoological principles. The morphology, physiology, behavior, reproduction, ecology, embryology, zoogeography, evolution and palaeontology of each phylum is presented.

MR. WARE      MR. WARNHOFF

## ZOO 301—ADVANCED ZOOLOGY—3 cr. (2 and 3)

Designed to give the student advanced training in zoological principles, physiology and comparative vertebrate anatomy. *Prerequisites:* Zool 101 and 103

MR. WARE

## ZOOLOGY 302—VERTEBRATE EMBRYOLOGY—3 cr. (2 and 3)

Designed to give the student the fundamentals of developmental anatomy of the organ systems as illustrated by the chick and pig. By actual preparation of histological sections and mounts the student acquires practice in laboratory procedure and a working knowledge of vertebrate microscopic anatomy. Identification of the various tissues is stressed. *Prerequisites:* Zool 101, 103 and 301

MR. WARE

## ZOOLOGY 306—GAME MANAGEMENT—2 cr. (2 and 0)

A study of breeding habits of game animals and birds and type or territory desirable. The ethics of sportsmanship, and the control of predators are among other subjects covered.

MR. WARE

**THE  
CLEMSON  
AGRICULTURAL  
COLLEGE  
RECORD**

---

**PART VI**

---

**Public Service**

**Activities**

# \* AGRICULTURAL EXPERIMENT STATION STAFF

## Board of Control

HONORABLE J. B. DOUTHIT	Pendleton
HONORABLE W. W. BRADLEY, <i>Ex-Officio</i>	Columbia
HONORABLE T. B. YOUNG	Florence
HONORABLE PAUL SANDERS	Ritter
HONORABLE F. E. COPE	Cope
HONORABLE R. M. COOPER	Wisacky
HONORABLE W. A. BARNETTE	Greenwood
HONORABLE J. F. McLAURIN	Bennettsville

R. F. POOLE, PH.D., D.Sc., LL.D.	President
H. P. COOPER, PH.D.	Director
R. A. MCGINTY, M.A.	Vice-Director

## Agricultural Economics and Rural Sociology

G. H. Aull, Ph.D.	Agricultural Economist
W. T. Ferrier, Ph.D.	Agricultural Economist
J. M. Stepp, Ph.D.	Agricultural Economist
W. E. A. Hussmann, Ph.D.	Agricultural Economist
W. H. Peterson, Ph.D.	Agricultural Economist
***J. S. Miles, M.S.	Associate Agricultural Economist
L. D. Malphrus, M.S.	Assistant Agricultural Economist
D. E. Crawford, B.S.	Assistant Agricultural Economist
V. A. Boyd, M.S.	Assistant Rural Sociologist
**C. P. Butler, M.S.	Agricultural Economist

## Agricultural Engineering

G. B. Nutt, M.S.	Agricultural Engineer
G. H. Dunkelberg, M.S.	Associate Agricultural Engineer
J. S. Evans, B.S.	Assistant Agricultural Engineer
L. A. McInnis, B.S.	Assistant Agricultural Engineer
***J. K. Park, M.S.	Agricultural Engineer

## Agronomy

H. P. Cooper, Ph.D.	Agronomist
W. R. Paden, Ph.D.	Agronomist
C. E. Hutton, Ph.D.	Associate Agronomist
N. R. Page, M.S.	Associate Agronomist
E. B. Eskew, B.S.	Assistant Agronomist
***T. C. Peele, Ph.D.	Soil Technologist
***O. W. Beale, M.S.	Soil Scientist
***E. H. Stewart, M.S.	Assistant Soil Scientist

## Animal Husbandry

L. V. Starkey, M.S.	Animal Husbandman
E. G. Godbey, B.S.	Associate Animal Husbandman
G. W. Anderson, D.V.M., M.S.	Associate Animal Pathologist

\*List of staff members compiled October 28, 1948.

\*\*\*In cooperation with the United States Department of Agriculture.

*Botany and Bacteriology*

G. M. Armstrong, Ph.D.	Botanist and Plant Pathologist
C. H. Arndt, Ph.D.	Associate Botanist and Plant Pathologist
W. B. Albert, Ph.D.	Associate Plant Physiologist
H. H. Foster, Ph.D.	Associate Plant Pathologist
N. B. Goebel, M.S.	Associate Forester
C. C. Bennett, B.S.	Assistant Botanist

*Chemistry*

J. H. Mitchell, M.S.	Chemist
E. J. Lease, Ph.D.	Nutritionist
D. B. Roderick, B.A.	Assistant Chemist

*Dairy*

J. P. LaMaster, M.S.	Dairyman
G. M. Barnett, Jr., B.S.	Associate Dairyman
C. C. Brannon, B.S.	Associate Dairyman
W. T. O'Dell, B.S.	Assistant in Dairying
J. F. Causey, B.S.	Assistant in Dairying
Victor Hurst, Ph.D.	Associate in Dairying
G. W. Brandt, M.S.	Associate Dairy Husbandman
W. A. King, Ph.D.	Dairy Husbandman

*Entomology*

J. A. Berly, B.S.	Acting Entomologist
J. H. Cochran, Ph.D.	Associate Entomologist
David Dunavan, M.S.	Associate Entomologist
W. H. Purser, M.S.	Assistant Bee Specialist

*Home Economics*

Ada M. Moser, M.S.	Home Economist
Elizabeth S. Watson, M.A.	Assistant Home Economist
Florence E. Roach, A.B.	Assistant in Home Economics

*Horticulture*

A. M. Musser, B.S.	Horticulturist
O. B. Garrison, Ph.D.	Horticulturist
**H. J. Sefick, M.S.	Associate Horticulturist
L. O. Van Blaricom, M.S.	Associate in Horticultural Manufactures
J. A. Martin, B.S.	Associate Horticulturist
**R. J. Higdon, B.S.	Assistant Horticulturist
***J. T. Bregger, M.S.	Senior Soil Conservationist

*Farms*

C. S. Patrick, B.S.	Head, Farms Department
---------------------	------------------------

*Poultry*

C. L. Morgan, M.S.	Poultryman
J. B. Cooper, M.S.	Associate Poultry Husbandman
M. A. Boone, M.S.	Assistant Poultry Husbandman

\*\*On leave.

\*\*\*In cooperation with the United States Department of Agriculture.

*Publications*

S. C. Stribling, B.S.	-----	Agricultural Editor
H. M. Simons, Jr., B.S.	-----	Assistant Agricultural Editor
Doris Timmerman, B.A.	-----	Assistant Editor

*Veterinary*

R. O. Feeley, D.V.S.	-----	Veterinarian
----------------------	-------	--------------

Coast Station  
Summerville, South Carolina

E. D. Kyzzer, B.S.	-----	Superintendent
T. M. Clyburn, B.S.	-----	Associate Animal Husbandman

Pee Dee Station  
Florence, South Carolina

E. E. Hall, M.S.	-----	Superintendent
Alfred Manwiler, Ph.D.	-----	Associate Plant Breeder
W. A. Mappus, M.S.	-----	Associate Agronomist
J. F. Chaplin, B.S.	-----	Assistant Agronomist
F. M. Harrell	-----	Research Assistant
***F. F. Bondy, B.S.	-----	Entomologist
***L. C. Fife, M.S.	-----	Entomologist
***Norman Allen, M.S.	-----	Entomologist
***R. L. Walker, B.S.	-----	Assistant Entomologist
***W. H. Jenkins, B.S.	-----	Agronomist
***J. F. Bullock, M.S.	-----	Agronomist
***D. C. Harrell, B.S.	-----	Associate Agronomist
***Z. T. Ford, B.S.	-----	Agent
***T. W. Graham, Ph.D.	-----	Agent
A. R. McPherson, B.S.	-----	Agent
***W. H. Rolfe, B.S.	-----	Agent
***W. E. Vaught, B.S.	-----	Agent
***W. D. Yeargin, B.S.	-----	Agent

Sandhill Station  
R. 5, Columbia, South Carolina

J. A. Riley, M.S.	-----	Superintendent
***W. A. Balk, B.S.	-----	Agent
W. A. Carns	-----	Foreman

*Truck Station*

Post Office Box 158, St. Andrews Branch  
Charleston, South Carolina

W. C. Barnes, Ph.D.	-----	Superintendent
W. M. Epps, Ph.D.	-----	Associate Plant Pathologist

Edisto Station  
Blackville, South Carolina

W. B. Rogers, B.S.	-----	Superintendent
J. C. Watts, M.S.	-----	Associate Entomologist
M. B. Hughes, Ph.D.	-----	Associate Horticulturist
**J. H. Horton, B.S.	-----	Assistant Agronomist
M. R. Powers, B.S.	-----	Associate Agricultural Engineer
***J. D. McCown	-----	Agent
V. K. Quattlebaum, B.S.	-----	Assistant Agricultural Engineer
J. J. Wolfe, B.S.	-----	Assistant Agronomist

\*\*\*On leave.

\*\*\*In cooperation with the United States Department of Agriculture.

*Crop Pest Commission and Seed Certification*

G. M. Armstrong, Ph.D. -----	State Pathologist
J. A. Berly, B.S. -----	Acting State Entomologist
R. H. Garrison, B.S. -----	Associate Plant Breeder, in charge of Seed Certification
G. M. Anderson, B.S. -----	Assistant State Pathologist

*Fertilizer Inspection and Analysis*

B. D. Cloaninger, B.S. -----	Head of Department
H. J. Webb, Ph.D. -----	Chief Chemist and Toxicologist
J. T. Foy, B.S. -----	Chemist
E. E. Leslie, B.S. -----	Assistant Chemist
* Maurice M. Phillippe, M.S. -----	Assistant Chemist

**LIVESTOCK SANITARY WORK STAFF****COLUMBIA, SOUTH CAROLINA**

MAYS, R. A., B.Sc., D.V.M. -----	State Veterinarian and Director
----------------------------------	---------------------------------

BIERER, BERT W., V.M.D. -----	Assistant State Veterinarian
CHASTAIN, W. R., D.V.M. -----	Assistant State Veterinarian
COOPER, I. R., SR., D.V.M. -----	Assistant State Veterinarian
FISHER, E. T., D.V.M. -----	Assistant State Veterinarian
HOOD, H. B., V.M.D. -----	Assistant State Veterinarian
McKEE, J. G., D.V.M. -----	Assistant State Veterinarian
PETERSON, F. K., D.V.M. -----	Assistant State Veterinarian
SCOTT, JACK, D.V.M. -----	Assistant State Veterinarian
WITHERSPOON, S. M., B.Sc., D.V.M. -----	Assistant State Veterinarian

Ayers, N. J., D.V.M. -----	Deputy State Veterinarian, Greer
Backsman, A. L., D.V.M. -----	Deputy State Veterinarian, Laurens
Ballenger, O. E., D.V.M. -----	Deputy State Veterinarian, Easley
Barnette, W. A., B.Sc., D.V.M. -----	Deputy State Veterinarian, Greenwood
Beasley, W. R., D.V.M. -----	Deputy State Veterinarian, Batesburg
Beaty, R. W., Jr., D.V.M. -----	Deputy State Veterinarian, Sumter
Blackstock, M. R., D.V.S. -----	Deputy State Veterinarian, Spartanburg
Brennan, B. F., V.M.D. -----	Deputy State Veterinarian, Aiken
Brown, Thos. E., D.V.M. -----	Deputy State Veterinarian, Spartanburg
Bruce, T. B., II, D.V.M. -----	Deputy State Veterinarian, Mullins
Burriss, Theo. L., D.V.M. -----	Deputy State Veterinarian, Anderson
Burriss, William Mack, D.V.M. -----	Deputy State Veterinarian, Anderson
Caughman, F. P., Sr., B.S., V.M.D. -----	Deputy State Veterinarian, Columbia
Caughman, F. P., Jr., D.V.M. -----	Deputy State Veterinarian, Columbia
Cofer, G. W., D.V.M. -----	Deputy State Veterinarian, Columbia
Compton, D. H., D.V.M. -----	Deputy State Veterinarian, Greenwood
Cooper, I. R., Jr., D.V.M. -----	Deputy State Veterinarian, Ridgeland
Culpepper, M. D., D.V.M. -----	Deputy State Veterinarian, Winnsboro
Dailey, H. F., V.M.D. -----	Deputy State Veterinarian, Camden
Dickinson, R. L., D.V.M. -----	Deputy State Veterinarian, Bishopville
Dickson, J. T., D.V.M. -----	Deputy State Veterinarian, Rock Hill
Dunn, Will T., D.V.M. -----	Deputy State Veterinarian, Greenville
Dyches, H. P., D.V.M. -----	Deputy State Veterinarian, Aiken
Elder, H. W., D.V.M. -----	Deputy State Veterinarian, Manning

\* On leave.

Frieze, H. L., D.V.M.	Deputy State Veterinarian, Gaffney
Galphin, S. P., D.V.M.	Deputy State Veterinarian, Holly Hill
Gandy, R. E., Jr., D.V.M.	Deputy State Veterinarian, St. George
Gibson, Jas. G., D.V.M.	Deputy State Veterinarian, Florence
Gilmore, W. H., D.V.M.	Deputy State Veterinarian, Columbia
Ginn, William, D.V.M.	Deputy State Veterinarian, Varnville
Harmon, C. C., B.Sc., D.V.M.	Deputy State Veterinarian, Columbia
Helms, Carlos, D.V.M.	Deputy State Veterinarian, Darlington
Hinson, C. R., D.V.M.	Deputy State Veterinarian, Bennettsville
Hobart, C. Douglas, V.M.D.	Deputy State Veterinarian, Cheraw
Hogan, L. J., D.V.M.	Deputy State Veterinarian, Charleston
Hoffmeyer, T. P., D.V.M.	Deputy State Veterinarian, Florence
Jacobs, T. B., D.V.M.	Deputy State Veterinarian, Newberry
Jones, Preston B., D.V.M.	Deputy State Veterinarian, Anderson
Kellett, S. J., Jr., D.V.M.	Deputy State Veterinarian, Seneca
Kinard, H. B., Jr., D.V.M.	Deputy State Veterinarian, Greenwood
Kinard, Harold W., D.V.M.	Deputy State Veterinarian, Bamberg
Kitchen, Don C., D.V.M.	Deputy State Veterinarian, Greenville
Kitchen, F. E., D.V.M.	Deputy State Veterinarian, Greenville
Kitchen, G. R., D.V.M.	Deputy State Veterinarian, Bishopville
Latta, W. R., D.V.M.	Deputy State Veterinarian, Orangeburg
Lawhon, G. J., Sr., B.Sc., D.V.M.	Deputy State Veterinarian, Hartsville
Lawhon, G. J., Jr., V.M.D.	Deputy State Veterinarian, Camden
Lide, J. S., D.V.M.	Deputy State Veterinarian, Newberry
Livingston, J. M., D.V.M.	Deputy State Veterinarian, Prosperity
Love, Jas. M., D.V.M.	Deputy State Veterinarian, Lancaster
Magill, W. K., B.Sc., D.V.M.	Deputy State Veterinarian, Chester
Matthews, Watson H., D.V.M.	Deputy State Veterinarian, Rock Hill
McCormack, W. D., D.V.M.	Deputy State Veterinarian, Myrtle Beach
McInnes, B. K., M.D., V.M.D.	Deputy State Veterinarian, Charleston
McLean, B. C., V.M.D.	Deputy State Veterinarian, Aiken
Moore, A. S., D.V.M.	Deputy State Veterinarian, Walterboro
Moore, G. E. H., D.V.M.	Deputy State Veterinarian, Walterboro
Moore, J. H., D.V.M.	Deputy State Veterinarian, Charleston
Morse, J. H., V.M.D.	Deputy State Veterinarian, Sumter
Moses, Clyde R., D.V.M.	Deputy State Veterinarian, Georgetown
Osteen, A. J., D.V.M.	Deputy State Veterinarian, Charleston
Rattray, M. J., Jr., D.V.M.	Deputy State Veterinarian, Anderson
Rawlinson, Wm. F., D.V.M.	Deputy State Veterinarian, Manning
Riddle, H. E., D.V.M.	Deputy State Veterinarian, Greenville
Rodgers, Lee D., D.V.M.	Deputy State Veterinarian, Greenwood
Salley, R. R., D.V.M.	Deputy State Veterinarian, Orangeburg
Smith, G. K., D.V.M.	Deputy State Veterinarian, Spartanburg
Smith, Jas. A., D.V.M.	Deputy State Veterinarian, Springfield
Smith, J. R., D.V.M.	Deputy State Veterinarian, Marion
Stith, J. D., D.V.M.	Deputy State Veterinarian, Hartsville
Story, Frank A., D.V.M.	Deputy State Veterinarian, Denmark
Strock, Otto M., D.V.M.	Deputy State Veterinarian, Orangeburg
Suddath, R. O., B.Sc., V.M.D.	Deputy State Veterinarian, Seneca
Sutherland, H. L., D.V.M.	Deputy State Veterinarian, Union
Talley, B. C., B.Sc., D.V.M.	Deputy State Veterinarian, Bennettsville
VandeGrift, E. R., Jr., D.V.M.	Deputy State Veterinarian, Columbia
Whatley, U. E., D.V.M.	Deputy State Veterinarian, Dillon
Williams, J. M., D.V.M.	Deputy State Veterinarian, Moncks Corner
Willis, R. L., D.V.M.	Deputy State Veterinarian, Charleston

## \* AGRICULTURAL EXTENSION STAFF

R. F. POOLE, Ph.D., D.Sc., LL.D. ----- *President*  
 D. W. WATKINS, B. S., M. A. ----- *Director*  
 T. W. MORGAN, B.S., M.S. ----- *Assistant Director*  
 G. H. BONNETTE, B.S. ----- *Chief Clerk and Accountant*

### *Agricultural Economics*

M. C. Rochester, B.S., M.S., Ph.D.  
     Leader, Agricultural Economics Extension Work, Clemson  
 M. H. Sutherland, B.S. ----- Extension Agricultural Economist, Clemson  
 P. S. Williamon, B.S.  
     Extension Supervisor, Unit Test Demonstration Farms, Clemson

### *Agricultural Engineering*

G. H. Stewart, B.S., M.S.,  
     Leader, Agricultural Engineering Extension Work, Clemson  
 M. C. McKenzie, B.S. ----- Extension Agricultural Engineer, Clemson  
 E. C. Turner, B.S. ----- Extension Conservationist, Clemson  
 L. W. Johnson, B.S. ----- Food Improvement Specialist, Rock Hill  
 H. Z. Duffie, Jr., B.S. ----- Assistant Agricultural Engineer, Clemson  
 S. A. Williams, B. S. ----- Cotton Ginning Specialist, Clemson

### *Agronomy*

H. A. Woodle, B.S. ----- Leader, Agronomy Extension Work, Clemson  
 W. H. Craven, B.S. ----- Extension Agronomist, Clemson  
 H. G. Boylston, B.S. ----- Extension Cotton Improvement Specialist, Clemson  
 H. A. McGee, A.B. ----- Extension Tobacco Specialist, Florence  
 J. M. Lewis, B.S. ----- Extension Tobacco Specialist, Florence  
 J. R. Mattison, B.S. ----- Extension Tobacco Specialist, Clemson

### *Animal Husbandry*

A. L. Durant, B.S., M.S. ----- Extension Livestock Specialist, Florence  
 J. T. Graves, B.S. ----- Extension Livestock Specialist, Newberry

### *Dairying*

C. G. Cushman, B.S. ----- Leader, Dairy Extension Work, Clemson  
 C. H. Lomas, B.S. ----- Extension Dairy Specialist, Clemson  
 J. W. Lyle, B.S. ----- Assistant Dairy Specialist, Clemson

### *Entomology and Plant Pathology*

W. C. Nettles, B.S., M.S.  
     Leader, Extension Entomology and Plant Disease Work, Clemson  
 L. M. Sparks, Jr., B.S.  
     Extension Specialist, Cotton Insects and Diseases, Clemson  
 E. S. Prevost ----- Extension Specialist, Beekeeping, Clemson

### *Forestry*

W. J. Barker, B.S. ----- Leader, Forestry Extension Work, Clemson  
 C. W. Hall, B.S. ----- Extension Forester, Columbia  
 S. A. Marbut, B.S. ----- Extension Forester, Clemson

### *Four-H Club Work*

I. D. Lewis, B.S., M.S. ----- State Boys 4-H Club Agent, Clemson  
 L. O. Clayton, B.S., M.A. ----- District Boys 4-H Club Agent, Clemson  
 O. R. Smith, B.S. ----- District Boys 4-H Club Agent, Aiken  
 J. T. Rogers, B.S. ----- District Boys 4-H Club Agent, Florence

\*List of staff members compiled November 1, 1948.

*Horticulture*

A. E. Schilleter, B.S. ----- Leader, Horticulture Extension Work, Clemson  
 R. J. Ferree, B.S., M.S. ----- Extension Horticulturist, Clemson  
 H. A. Bowers, B.S. ----- Extension Truck Crops Specialist, Barnwell

*Marketing*

T. A. Cole, B.S. ----- Chief, Extension Division of Marketing, Columbia  
 C. H. Langford, B.S. ----- Extension Marketing Specialist, Columbia  
 W. A. Tuten, ----- Extension Marketing Specialist, Columbia  
 L. M. Asbill ----- Extension Marketing Specialist, Columbia  
 R. D. Steer, B.S. -- Extension Cooperative Marketing Specialist, Greenwood

*Poultry*

P. H. Gooding, B.S., M.S. ----- Leader, Poultry Extension Work, Clemson  
 E. A. Peterkin, B.S. ----- Extension Poultryman, Dillon  
 W. B. Nesbitt, B.S. ----- Extension Turkey Specialist, Columbia  
 J. E. Thaxton, B.S., ----- Extension Turkey Specialist, York

*Printing and Distribution of Publications*

S. C. Stribling, B.S. ----- Agricultural Editor, Clemson  
 Doris Timmerman, A.B. ----- Assistant Agricultural Editor, Clemson  
 J. M. Eleazer, B.S. ----- Extension Information Specialist, Clemson  
 P. D. Seabrook, B.S. ----- Radio Specialist, Clemson

*Visual Instruction*

L. W. Riley -- Extension Specialist, Motion Pictures & Photography, Clemson  
 J. K. Eargle ----- Assistant In Visual Aids, Clemson

**DISTRICT AGENTS**

FIRST DISTRICT ----- L. B. Massey, B.S. ----- Spartanburg  
 SECOND DISTRICT ----- J. T. Lazar, B.S. ----- Florence  
 THIRD DISTRICT ----- A. H. Ward, B.S., M.S. ----- Aiken

**COUNTY AGRICULTURAL AGENTS**

<i>County</i>	<i>Name</i>	<i>Post Office</i>
Abbeville -----	Z. D. Robertson, A.B. -----	Abbeville
Aiken -----	R. R. Mellette, B.S. -----	Aiken
Allendale -----	C. B. Searson, Jr., B.S. -----	Allendale
Anderson -----	J. H. Hopkins, B.S. -----	Anderson
Bamberg -----	R. C. Hubbard, Jr., B.S. -----	Bamberg
Barnwell -----	D. A. Shelley, B.S. -----	Barnwell
Beaufort -----	E. C. Abrams, B.S. -----	Beaufort
Berkeley -----	M. C. Mason, B.S. -----	Moncks Corner
Calhoun -----	O. W. Cain, B.S. -----	St. Matthews
Charleston -----	C. W. Carraway, B.S. -----	Charleston
Cherokee -----	T. B. Lee, B.S. -----	Gaffney
Chester -----	T. A. Stallworth, B.S. -----	Chester
Chesterfield -----	J. C. Willis, B.S. -----	Chesterfield
Clarendon -----	A. D. Grainger, B.S. -----	Manning
Colleton -----	L. W. Alford, B.S. -----	Walterboro
Darlington -----	O. O. Dukes, B.S. -----	Darlington
Dillon -----	C. P. Goodyear, B.S. -----	Dillon
Dorchester -----	J. L. King, B.S. -----	St. George
Edgefield -----	O. W. Lloyd, B.S. -----	Edgefield
Fairfield -----	R. H. Lemon, B.S. -----	Winnsboro

<b>Florence</b> -----	J. W. McLendon, B.S. -----	<b>Florence</b>
<b>Georgetown</b> -----	M. M. McCord, B.S. -----	<b>Georgetown</b>
<b>Greenville</b> -----	W. R. Gray, B.S. -----	<b>Greenville</b>
<b>Greenwood</b> -----	P. M. Garvin, B.S. -----	<b>Greenwood</b>
<b>Hampton</b> -----	J. C. Anthony, B.S. -----	<b>Hampton</b>
<b>Horry</b> -----	V. M. Johnston, B.S. -----	<b>Conway</b>
<b>Jasper</b> -----	J. A. Kinard, B.S. -----	<b>Ridgeland</b>
<b>Kershaw</b> -----	W. C. McCarley, B.S. -----	<b>Camden</b>
<b>Lancaster</b> -----	F. W. Cannon, B.S. -----	<b>Lancaster</b>
<b>Laurens</b> -----	C. B. Cannon, B.S. -----	<b>Laurens</b>
<b>Lee</b> -----	W. L. Bryant, B.S. -----	<b>Bishopville</b>
<b>Lexington</b> -----	S. E. Evans, B.S., M.S. -----	<b>Lexington</b>
<b>McCormick</b> -----	G. W. Bonnette, B.S. -----	<b>McCormick</b>
<b>Marion</b> -----	J. C. King, B.S. -----	<b>Marion</b>
<b>Marlboro</b> -----	Colin McLaurin, B.S. -----	<b>Bennettsville</b>
<b>Newberry</b> -----	P. B. Ezell, B.S. -----	<b>Newberry</b>
<b>Oconee</b> -----	G. H. Griffin, B.S. -----	<b>Walhalla</b>
<b>Orangeburg</b> -----	J. C. McCombs, B.S. -----	<b>Orangeburg</b>
<b>Pickens</b> -----	T. A. Bowen -----	<b>Pickens</b>
<b>Richland</b> -----	R. W. Bailey, B.S. -----	<b>Columbia</b>
<b>Saluda</b> -----	F. M. Kearse, B.S. -----	<b>Saluda</b>
<b>Spartanburg</b> -----	J. F. Jones, B.S. -----	<b>Spartanburg</b>
<b>Sumter</b> -----	T. O. Bowen, B.S. -----	<b>Sumter</b>
<b>Union</b> -----	W. J. Martin, B.S. -----	<b>Union</b>
<b>Williamsburg</b> -----	R. A. Jackson, B.S. -----	<b>Kingstree</b>
<b>York</b> -----	J. D. Miller, B.S. -----	<b>York</b>
<b>County Agent At Large</b> -----	J. M. Napier, B.S., M.S. -----	<b>Darlington</b>

## ASSISTANT COUNTY AGRICULTURAL AGENTS

<i>County</i>	<i>Name</i>	<i>Post Office</i>
Abbeville-----	L. H. Bull, B.S. -----	Abbeville
Aiken-----	W. A. Beasley, B.S. -----	Aiken
Anderson-----	J. L. Cochran, B.S. -----	Anderson
* Anderson-----	W. D. Wood, B.S. -----	Anderson
Barnwell-----	R. H. Sams, B.S. -----	Barnwell
Charleston-----	J. S. Rodgers, B.S. -----	Charleston
Cherokee-----	L. J. P. Stone, B.S. -----	Gaffney
Chester-----	D. C. Wylie, Jr., B.S. -----	Chester
Chesterfield-----	L. F. Cato, B.S. -----	Chesterfield
Clarendon-----	N. C. Anderson, B.S. -----	Manning
Colleton-----	J. R. White, Jr., B.S. -----	Walterboro
Darlington-----	W. J. Huntley, B.S. -----	Darlington
Dillon-----	H. F. Livingston, B.S. -----	Dillon
Dorchester-----	W. R. Flemming, B.S. -----	St. George
Edgefield-----	W. G. Yarborough, B.S. -----	Edgefield
Fairfield-----	E. V. Ragsdale, B.S. -----	Winnsboro
Florence-----	A. C. Odom, B.S. -----	Florence
Florence-----	F. M. Fleming, B.S. -----	Florence
Greenville-----	B. R. Leonard, B.S. -----	Greenville
Greenville-----	J. K. Jones, B.S. -----	Greenville
* Greenville-----	G. D. Butler -----	Greenville
Greenwood-----	E. G. Tate, Jr., B.S. -----	Greenwood
Hampton-----	C. W. Thompson, B.S. -----	Hampton
Horry-----	D. A. Benton, B.S. -----	Conway
Horry-----	W. J. Gray, B.S. -----	Conway

Jasper	R. C. Wiggins, B.S.	Ridgeland
Kershaw	J. B. Griffith, B.S.	Camden
Lancaster	M. H. Lynn, B.S.	Lancaster
Laurens	J. B. Williams, B.S.	Laurens
Lee	V. F. Linder, B.S.	Bishopville
Lexington	M. A. Bouknight, B.S.	Lexington
Marion	M. J. Carter, B.S.	Marion
Marlboro	J. L. Brown, B.S.	Bennettsville
Marlboro	D. E. Epps, B.S.	Bennettsville
Newberry	W. A. Ridgeway, B.S.	Newberry
Oconee	J. C. Morgan, B.S.	Walhalla
Orangeburg	R. G. Winburn, B.S.	Orangeburg
Orangeburg	J. H. Evans, B.S.	Orangeburg
Pickens	J. R. Wood, B.S.	Pickens
Richland	C. E. Cousins, B.S.	Columbia
Saluda	H. V. Rogers, B.S.	Saluda
Spartanburg	H. D. Marett, B.S.	Spartanburg
Spartanburg	R. D. McNair, B.S.	Spartanburg
Sumter	R. P. Alston, B.S.	Sumter
Williamsburg	L. B. Harrington, B.S.	Kingstree
York	C. H. Fant, B.S.	York
York	J. D. Williams, B.S.	York

\* Special Assistant.

## NEGRO AGRICULTURAL AGENTS

E. N. Williams, B. S., State Supervisor, Negro Agricultural Extension Work,  
State College, Orangeburg, S. C.

Waymon Johnson, B.S., Asst. State Supervisor, Negro Agricultural Extension  
Work, State College, Orangeburg, S. C.

<i>County</i>	<i>Name</i>	<i>Post Office</i>
Aiken	T. A. Hammond, B.S.	Aiken
Anderson	G. W. Stewart, B.S.	Anderson
Bamberg	E. D. Dean, B. S.	Bamberg
Beaufort	Benjamin Barnwell, B.S.	Beaufort
Berkeley	R. C. Bacote, B.S.	Moncks Corner
Colleton	J. J. Mitchell, B. S.	Walterboro
Charleston	J. A. Amaker, B. S.	Charleston
Chester	M. M. Sitton, B.S.	Chester
Clarendon	William Thompson, B. S.	Manning
Darlington	S. C. Disher, B.S.	Darlington
Dorchester	Eugene Frederick, B. S.	St. George
Fairfield	D. G. Belton, Jr., B.S.	Winnsboro
Florence	H. S. Person, B.S.	Florence
Greenville	R. W. Anderson, B. S.	Greenville
Greenwood	L. V. Walker, B.S.	Greenwood
Horry	W. P. Johnson, B.S.	Conway
Kershaw	J. D. Marshall, B.S.	Camden
Lancaster	R. N. Smith, B.S.	Lancaster
Laurens	J. D. Sweeny, B.S.	Laurens
Marion	G. W. Dean, B.S.	Marion
Marlboro	J. W. Nesbitt, B.S.	Bennettsville

Newberry	S. B. Marshall, B.S.	Newberry
Orangeburg	Q. J. Smith, B.S.	Orangeburg
Richland	J. E. Dickson, B.S.	Columbia
Spartanburg	R. C. Smith, Jr., B.S.	Spartanburg
Sumter	Arthur Sanders, B.S.	Sumter
Union	J. M. Robinson, B.S.	Union
Williamsburg	V. B. Thomas, B.S.	Kingstree
York	B. T. Miller, B.S.	Rock Hill

## HOME DEMONSTRATION EXTENSION DEPARTMENT

The United States Department of Agriculture, Clemson College and Winthrop College, working in cooperation.

JUANITA NEELY, A.B., M.S.

State Home Demonstration Agent, Rock Hill, S. C.

JANE KETCHEN, B.S.

Assistant State Home Demonstration Agent, Rock Hill, S. C.

LAURA CONNOR, B.S. ---- District Home Demonstration Agent, Aiken, S. C.

HELEN D. HOLSTEIN, B.S. ---- District Home Dem. Agent, Rock Hill, S. C.

GERTRUDE LANHAM, B.S., M.S. --- District Home Dem. Agent, Rock Hill, S. C.

ELOISE JOHNSON, B.S. ---- State Girls' Club Agent, Rock Hill, S. C.

LOUISE HERIOT, B.S. ---- Assistant State Girls' Club Agent, Rock Hill, S. C.

PORTIA SEABROOK, B.S., M.S. ---- Clothing Specialist, Rock Hill, S. C.

JANIE McDILL, B.S., M.S. ---- Extension Nutritionist, Rock Hill, S. C.

MARGARET MARTIN, B.S., M.S. ---- Food Specialist, Rock Hill, S. C.

RUBY CRAVEN, B.S. ---- Home Management Specialist, Rock Hill, S. C.

SALLIE PEARCE, B.S. ---- Marketing Specialist, Rock Hill, S. C.

CURTYS BALLENTINE, B.S. ---- Agent at Large, Rock Hill, S. C.

VIRGINIA DEVORE, B.S. ---- Consumer-Market Agent, Rock Hill, S. C.

## COUNTY HOME DEMONSTRATION AGENTS

<i>County</i>	<i>Name</i>	<i>Post Office</i>
Abbeville	Cora Lee Coleman, B.S.	Abbeville
Aiken	Alpha Covar, B.S.	Aiken
Allendale	Mamie Sue Hicks, B.S.	Allendale
Anderson	Edith Childers, B.S.	Anderson
Bamberg	Marie Lambert, B.S.	Bamberg

Barnwell	Elizabeth McNab, A.B.	Barnwell
Beaufort	Mary Ellen Eaves, B.S., A.B.	Beaufort
Berkeley	Elizabeth D. Boykin, A.B.	Moncks Corner
Calhoun	Jeanne Coleman, B.S.	St. Matthews
Charleston	Lottie Marian Clements, B.S.	Charleston
Cherokee	Teresa Caskey, B.S.	Gaffney
Chester	Julia Dukes, B.S.	Chester
Chesterfield	Lillian D. Rivers, B.S.	Chesterfield
Clarendon	Eleanor Carson, B.A., M.S.	Manning
Colleton	Eva M. McGee, B.S.	Walterboro
Darlington	Mary Agnes Wylie, B.S.	Darlington
Dillon	Etta Sue Sellers, B.A.	Dillon
Dorchester	Ophelia Barker, B.S.	St. George
Edgefield	Harriett Gandy, B.S.	Edgefield
Fairfield	Mattie Lee Cooley, A.B., B.S.	Winnsboro
Florence	Vela Smith, B.S.	Florence
Georgetown	Louise Clements, B.S.	Georgetown
Greenville	Myrtle Nesbitt, B.S.	Greenville
Greenwood	Elizabeth Herbert, A.B.	Greenwood
Hampton	Annie Rogers, B.S.	Hampton
Horry	Margaret Cloud, B.S.	Conway
Jasper	Elizabeth B. Berry, B.S.	Ridgeland
Kershaw	Margaret Fewell, B.A.	Camden
Lancaster	Merrell A. Lane, B.S.	Lancaster
Laurens	Susan Hall, B.S.	Laurens
Lee	Mary Robert Spencer, B.S.	Bishopville
Lexington	Elizabeth Leonard, A.B., B.S.	Lexington
McCormick	Matilda Bell, B.S.	McCormick
Marion	Margie Davis, B.S.	Marion
Marlboro	Polly McGill, B.S.	Bennettsville
Newberry	Ethel Counts, B.A.	Newberry
Oconee	Mary C. Haynie, B.A.	Walhalla
Orangeburg	Sara E. Neely, B.S.	Orangeburg
Pickens	Sarah G. Cureton, B.S.	Pickens
Richland	Marguerite Summer, B.S.	Columbia
Saluda	Novice Hartzog, B.S.	Saluda
Spartanburg	Ellie Herrick, B.S.	Spartanburg
Sumter	Alice Jordan, B.S.	Sumter
Union	Merle S. Crocker, B.S.	Union
Williamsburg	Myrtle Hatchell, B.S.	Kingstree
York	Georgia Taylor, B.S.	Rock Hill

## ASSISTANT COUNTY HOME DEMONSTRATION AGENTS

<i>County</i>	<i>Name</i>	<i>Post Office</i>
Aiken.....	Margaret G. McFadden, B.S. ....	Aiken
Anderson.....	Velma M. Cannon, B.S. ....	Anderson
Anderson.....	Mary E. Pace, B.S. ....	Anderson
Barnwell.....	Mildred Koger, B.S. ....	Barnwell
Beaufort.....	Ruth Quarles, B.S. ....	Beaufort
Berkeley.....	Gwendolyn K. Harris, B.S. ....	Moncks Corner
Cherokee.....	Gladys League, B.S. ....	Gaffney
Chester.....	Frances Finley, B.S. ....	Chester
Chesterfield.....	Thedia Wallace, B.S. ....	Chesterfield
Clarendon.....	Miriam Jordan, B.S. ....	Manning
Colleton.....	Catherine Foxworth, B.S. ....	Walterboro
Darlington.....	Rose Jacobs, B.S. ....	Darlington
Dillon.....	Margaret F. Hicklin, B.S. ....	Dillon
Florence.....	Blanche Kelley, B.S. ....	Florence
Florence.....	Mary Frances Shirley, B.S. ....	Florence
Greenville.....	Carolyn Ables, B.S. ....	Greenville
Horry.....	Lucile Stuckey, B.S. ....	Conway
Kershaw.....	Frances B. Hicks, B.S. ....	Camden
Lancaster.....	Mary Clarkson, B.S. ....	Lancaster
Laurens.....	Adeline Vaughn, B.S. ....	Laurens
Lexington.....	Marie Sullenger, B.S. ....	Lexington
Marion.....	Sara Jean Garrison, B.S. ....	Marion
Newberry.....	Jane Winn, A.B. ....	Newberry
Oconee.....	Nancy Helen Atkinson, B.S. ....	Walhalla
Orangeburg.....	Elizabeth Woodward, B.S. ....	Orangeburg
Pickens.....	M. Louise League, B.S. ....	Pickens
Richland.....	Theresa Wessinger, B.S. ....	Columbia
Saluda.....	Mildred Lucile Evans, B.S. ....	Saluda
Spartanburg.....	Jeannette M. Griffin, B.S. ....	Spartanburg
Sumter.....	Rosalie C. Rayle, B.S. ....	Sumter
Williamsburg.....	Martha Lucas, B.S. ....	Kingstree
York.....	Kathleen S. Matthews, B.S. ....	Rock Hill

## NEGRO HOME DEMONSTRATION WORKERS

Marian B. Paul, B.S., State Supervisor, Negro Home Demonstration Work State College, Orangeburg, S. C.

Willie M. Price, Assistant State Supervisor, Negro Home Demonstration Work, State College, Orangeburg, S. C.

<i>County</i>	<i>Name</i>	<i>Post Office</i>
Aiken-----	Thelma Spigner, B.S. -----	Aiken
Allendale-----	Annie Mae Butler, B.S. -----	Allendale
Anderson-----	Cynthia Williams, B.S. -----	Anderson
Bamberg-----	Hallie Q. Bacote, B.S. -----	Bamberg
Beaufort-----	Williett Bowers, B.S. -----	Beaufort
Berkeley-----	Fannie M. Brown -----	Moncks Corner
Charleston-----	Albertha DeVeaux -----	Charleston
Cherokee-----	Martha Reid, B.S. -----	Gaffney
Colleton-----	Gussie M. Goudlock, B.S. -----	Walterboro
Darlington-----	Sara Aiken, B.S. -----	Darlington
Dorchester-----	Lillie Mae Jamerson, B.S. -----	St. George
Fairfield-----	J. Alfreda Wright -----	Winnsboro
Florence-----	Lillian Brown, B.S. -----	Florence
Georgetown-----	Rosa G. Gadson, B.S. -----	Georgetown
Greenville-----	Delphena W. Arnold -----	Greenville
Greenwood-----	Marie L. Kemlin, B.S. -----	Greenwood
Hampton-----	Leona W. Bing, B.S. -----	Hampton
Kershaw-----	Mary Lula Pratt, B.S. -----	Camden
Lancaster-----	Annabelle E. Spann, B.S. -----	Lancaster
Marlboro-----	Minnie E. Gandy, B.S. -----	Clio
Newberry-----	Lillian G. Saunders, B.S. -----	Newberry
Orangeburg-----	Rosa R. Odom, B.S. -----	Orangeburg
Richland-----	Bertha B. Sawyer, B.S. -----	Columbia
Spartanburg-----	Cammie Fludd, B.S. -----	Spartanburg
Sumter-----	Helen C. Walker, B.S. -----	Sumter
Union-----	Laura J. Whitney, B.S. -----	Union
Williamsburg-----	Eva G. Lawrence, B.S. -----	Salters Depot
York-----	Helen Barnwell, B.S. -----	Rock Hill

Note: All Negro Home Demonstration Agents have had college training in Home Economics.

## *THE SOUTH CAROLINA AGRICULTURAL EXPERIMENT STATION*

The Agricultural Experiment Station of South Carolina is a department of Clemson College. The experiment station at present consists of the main station, which is located at Clemson, and five sub-stations: one at Summerville, in the coastal plain region; one at Florence, in the Pee Dee section; one at Pontiac, near Columbia, in the sandhill region, one in the trucking section near Charleston; and one in Barnwell county in the melon-growing area. The main offices and laboratories of the station are located on the Clemson College campus, while the station farm, consisting of about 200 acres, is east of and adjoining the College campus. The investigations dealing with the fundamental principles of agricultural science and with the application of such principles to practical agricultural operations are carried on in the laboratories and on the experiment station farm at Clemson. The experiments looking to the adaptation of such scientific data accumulated here and elsewhere to the conditions peculiar to certain sections of the State are carried on at the sub-stations.

It is the aim of the experiment station to conduct research work on problems which have a direct practical bearing on the agriculture of the State. With this end in view extensive experiments relative to the best methods of procedure under various conditions with the principal plants and animals have been undertaken. Economic and social problems are likewise being investigated. As progress is made the results obtained are given out to farmers in the form of bulletins, circulars, and personal letters. Since the establishment of the station, 375 such bulletins and 72 circulars have been published, covering practically all phases of agriculture.

Aside from the research work and the publication of results obtained from such research, the experiment station performs various other duties. Among these might be mentioned the entomological and pathological inspection work (which aims to protect the farms, orchards, and gardens of the State against the introduction of injurious insects and diseases); the biological and soil survey of the State, and the cooperative experimental work carried on with farmers in the State. The technically trained

experts of the station staff are regarded as authorities in their several specialties, and they are constantly giving out information relating to the various lines of agricultural endeavor. The station staff also aids in disseminating agricultural knowledge by co-operating with the Extension Service of the College in holding agricultural meetings and conferences and by meeting with the farm demonstration agents and giving to them technical information which they in turn carry direct to the farmers.

Close cooperation is maintained with the various research bureaus of the United States Department of Agriculture and with the departments of the College. The laboratories are always open to inspection by students and other people of the State. The same is true of the experiment station farm. There is always opportunity for a limited number of students to secure work in the various divisions of the station and to assist in the research work carried on by the members of the station staff.

Home economics research is carried on in cooperation with Winthrop College at Rock Hill. This work is designed to secure additional information on economic, social, and health factors influencing the home and living conditions of rural people.

Close cooperation is maintained between the home economics research department, the teaching and extension workers in this field, and the clubs and societies engaged in the promotion of better rural homes.

A full report of the work and expenditures of the Experiment Station is published annually and this report and all other publications of the station are free and will be sent on request. (Requests for these should be addressed to the Director, Agricultural Experiment Station, Clemson, S. C.)

### *FERTILIZER INSPECTION AND ANALYSIS*

The work of fertilizer inspection and analysis is under the supervision of the Fertilizer Board of Control consisting of a Committee of the Board of Trustees. The work of inspection and analysis is a department of the Agricultural Experiment

Station. District Inspectors are located in different parts of the State. Their duties are to collect official fertilizer samples for analysis and check on the tagging and labelling of all fertilizer material.

The chemical work consists of the analysis of commercial fertilizers as provided for by the Fertilizer Law of the State. This Department also undertakes the analysis of waters, ores, minerals, and other naturally occurring materials, portions of human bodies in cases of suspected poisoning (as provided by law), and the analysis of home-mixed fertilizers. All the work of this Department is done without charge.

### *THE AGRICULTURAL EXTENSION SERVICE*

The agricultural extension work of Clemson College and the United States Department of Agriculture cooperating is carried on by the Clemson College Extension Service. The work is supported by federal, state, and county appropriations. The main development of extension work has come since the enactment of the Federal Smith-Lever Act of 1914 providing grants of funds to the states for this purpose. The purpose of extension work is to diffuse among farm people useful and practical information on subjects related to agriculture and the farm home, and, through demonstrations and other practical methods, to stimulate the application of such information by farm people.

*Agricultural Extension Work:*—Under an Act of the Legislature in 1929, each county in the State has a county farm agent. These agents are agricultural college graduates who have had practical farm experience. They devote their time to the development of the agriculture of their respective counties through farm visits, demonstrations, personal conferences, meetings, community organizations, publications, letters, and otherwise. A staff of extension specialists representing the important lines of agriculture in the State assists the county agents in planning and carrying out the extension program.

*Home Demonstration Work:*—While home demonstration work is a part of the cooperative program of extension work under the Smith-Lever Act, and is under the general direction of the Extension Service, this work is conducted under the im-

mediate supervision of Winthrop College. Every county is provided with a home demonstration agent by legislative enactment, and these agents conduct educational demonstration work with farm women and girls in the production, preparation, and conservation of the family food supply, home marketing, home improvement, clothing, home furnishings and home management, nutrition, community organization, girls' 4-H club work, and other farm home activities.

*Negro Demonstration Work:*—Thirty-nine negro agricultural agents and twenty-eight negro home demonstration agents are employed to do extension work with negro farmers of the State in counties having large negro populations. These agents are employed in cooperation with the State College at Orangeburg, where the supervising agents for this work are located.

*Agricultural Economics and Farm Management:*—The extension program in agricultural economics and farm management is directed toward a wider dissemination among farm people of economic information, including the results of research work and farm experience, that may be useful to them in planning and conducting their farm businesses. This program includes outlook and economic information, the analysis of farm and home accounts and enterprise records on crops and livestock, kept by farm people with the aid of extension workers, county program planning work, farm tenure work, outlook information, and other activities in this field.

*Agricultural Engineering:* Extension work in agricultural engineering includes mainly educational work with farm people in the proper terracing and drainage of farm lands, irrigation, the efficient use of farm machinery and equipment, plans for farm buildings and other farm structures, improved cotton ginning methods, the utilization of electric power on the farm and farm water systems.

*Field Crops:*—Extension work with farm people on field crops includes educational demonstration work in the efficient production of high quality cotton, corn, tobacco, small grains, summer and winter legumes, hay crops, and other crops that are of importance to South Carolina farmers as sources of income and also

food and feed, and the efficient use of commercial fertilizers. This work is currently emphasizing annual grazing and improved permanent pastures.

*Livestock*:—Extension work in this project includes demonstrations in efficient livestock production, including the use of pure-bred sires, hog-feeding demonstrations, swine sanitation demonstrations, beef cattle, sheep and mule production, cooperative marketing of livestock, 4-H pig and beef calf club work, and the preservation of the farm meat supply.

*Dairying*:—Extension work in dairying includes work with farm people in placing and encouraging the use of purebred sires, artificial insemination, dairy herd management, care and handling of milk, pastures and feed production, 4-H dairy calf club work, the marketing of dairy products and dairy cattle, the use of dairy equipment, and the feeding and management of the family cow.

*Crop Insects and Diseases*:—Crop insects and diseases take a heavy toll on the farms of South Carolina every year. The extension program in this line includes educational demonstration work in the prevention and control of crop diseases, crop insects, and work with beekeepers.

*Forestry*:—The extension program in farm forestry is directed toward the conservation, proper utilization, and efficient marketing of the farm forestry resources in the State. This program includes educational demonstration work in reforestation, thinning, pruning, selective cutting, fire protection, and timber estimating.

*Boys' 4-H Club Work*:—Agricultural clubs of farm boys are organized for the purpose of enlisting the intelligent interest of the boys and their parents in improved methods of agriculture. This program includes the organization of 4-H clubs, supervision of 4-H club demonstrations of crops and livestock production and checking the results, training 4-H judging and demonstration teams, leadership, and citizenship training, and holding 4-H club camps, tours, and recreational meetings.

*Horticulture*:—Extension work with farm people along horticultural lines includes mainly demonstration work in home or-

chard establishment and management, commercial peach and apple production, home gardens, the production of commercial truck crops, and sweet potato production. The emphasis is placed upon the efficient production of quality products both for home use and for the market.

*Marketing:*—Since the efficient marketing of farm products cannot be wholly separated from production, much of the time of all extension workers is devoted to assisting farm people with their marketing problems. This program includes assistance in the organization and operation of cooperative marketing associations, cooperation with auction markets, supervision of the federal-state shipping point inspection service for fruits and vegetables, demonstrations in grading and packing farm products, all of which is connected with the work of the Extension Service in aiding farm people to produce the varieties and quality of farm products that can be sold on the markets in this State and in other states.

*Poultry:*—The extension program of poultry demonstration work includes demonstration poultry and turkey flocks, the brooding and rearing of chicks, disease and parasite control, the construction of poultry houses and the use of poultry equipment, the development of poultry breeding flocks, 4-H poultry club work, and the marketing of surplus poultry and eggs from the farms of the State.

*Publication and News:*—The extension program of publications and news includes the preparation, editing and distribution of agricultural bulletins, news material and circulars, both from the College, and from the offices of the county agents and home demonstration agents. Mimeographed news articles and special news stories of agricultural interest are supplied to the newspapers of the State, and to the Associated Press. Monthly letters or printed circulars on poultry, orchards, gardening, dairying and Boys' 4-H club work are mailed free of charge to those persons especially interested in these subjects. Bulletins covering the important lines of farm activity in the State are prepared and made available to farm people who desire such information.

*Radio Programs:*—Radio programs are presented weekly over almost all of the radio stations in the State, bringing current agricultural news to the farm people.

*Visual Instruction:*—The extension program of visual instruction includes the production and showing of educational motion pictures, film strips, and slides on agricultural and home economics subjects, and the production of photographs, charts, maps, and other visual educational material.

*Other Activities:*—The Extension Service represents the Clemson Agricultural College, which is the Land Grant College of the State, in conducting the educational work among farm people in connection with agricultural programs of the Federal government, such as the Agricultural Adjustment program, the Soil Conservation program, the Rural Electrification program, the Tennessee Valley Authority program, Farm Credit, and others. In addition, special programs, which involve the organization of agricultural resources, and other emergency programs of this nature are organized and conducted by the Extension Service.

### LIVESTOCK SANITARY WORK

The function of the Livestock Sanitary Department is to assist livestock owners in the control and eradication of contagious, infectious and communicable diseases of livestock and poultry. When requested, investigations are made, and when necessary, assistance is rendered in the treating of livestock. Advice is also given for the control and eradication of diseases. In cooperation with the Federal Government and other States, this department maintains quarantine measures to prevent, so far as possible, the introduction of diseased livestock into the State.

This department of the College maintains a fully equipped laboratory in Columbia for the purpose of assisting veterinarians and owners of livestock and poultry in making diagnoses which cannot always be made in the field.

While the main office of this department is in Columbia, Assistant State Veterinarians are located in various sections of the State where their services may be obtained on short notice upon request.

In addition to the regular force of veterinarians directly connected with the Columbia office, practicing veterinarians are commissioned as Deputy State Veterinarians and assist in the control and eradication of contagious and infectious diseases of livestock. At present there are seventy-nine veterinarians so commissioned, and their locations are such that the Clemson College Livestock Sanitary Department is in position to render prompt service to livestock owners in all sections of the State.

The Clemson College Livestock Sanitary Department is fully equipped with large stocks of all classes of veterinary biologics for the control and eradication of contagious and infectious diseases of livestock. These products are used by our veterinarians in assisting with the control of contagious and infectious diseases and the owner pays for them on a cost basis.

This department is required by legislative enactment and supported by legislative appropriation.

### *CONTROL OF CROP PESTS AND DISEASES*

The work of eradicating or preventing the introduction, spread or dissemination of any injurious insects and plant diseases is carried on under the direction of the State Crop Pest Commission. The State Entomologist and the State Pathologist have charge of this work under the commission.

The work of these officers consists in the control of contagious plant diseases and insect pests. Supervision of all nursery stock sold within the State is a duty of the Crop Pest Commission.

A permit tag issued by the State Crop Pest Commission should be attached to every package of nursery stock, seed, or plants offered for sale or shipment for planting purposes.

## *THE ENGINEERING EXPERIMENT STATION*

The Engineering Experiment Station of the Clemson Agricultural College was established by the Board of Trustees in July, 1924. Its purpose is to aid the present industries in the State to do research work on the material resources of the State with a view of leading to the establishment of new industries, to study methods of utilizing waste products, etc.

In addition to serving the industries of the State and helping to solve engineering problems for the agricultural interests, it is hoped, in cooperation with the stations of other states, to add to the store of scientific and engineering knowledge. The staff consists of well-trained men from the various schools and departments of the College. The laboratories of the several departments of engineering, as well as others, are available for the use of the station in its investigation.

During the war period the Engineering Experiment Station undertook worthwhile projects in cooperation with the War Production Board. Emphasis is now being placed upon special research in ceramics.

## *ITINERANT TEACHER TRAINING IN VOCATIONAL EDUCATION*

The College in cooperation with the State Department of Education is glad to assist those who teach vocational subjects in day trade schools and evening trade and industrial classes by supplying a trained man to assist in the work of organizing classes, organizing courses of study, making plans for teaching evening classes, and actually teaching vocational subjects. Requests for information regarding this service should be addressed to Mr. L. R. Booker, State Teacher Trainer in Industrial Education, Clemson, South Carolina.

The members of the staff of Agricultural Education visit all beginning teachers for the purpose of assisting them on the job and also for the purpose of collecting information which may

prove helpful in improving the work of teacher training at the College. In addition, conferences of teachers are held and consulting services made available in the interest of the professional growth of agricultural teachers, the rendering of service to agricultural communities, and the development of leadership among agricultural youth through the program of the Future Farmers of America.

### *SHORT COURSES AND CONFERENCES*

The facilities of the College are made available for special meetings, such as farm groups, rural ministers, religious organizations, and scientific societies; and arrangements are made for special short courses in poultry, beekeeping, food preservation, cotton classing, water supply and sanitation, etc. Such activities, undertaken in the interest of the general welfare, are encouraged by the College.

**THE  
CLEMSON  
AGRICULTURAL  
COLLEGE  
RECORD**

---

**PART VII**

---

**Student Register**

**1948-1949**

## GRADUATES OF 1948

## BACHELORS' DEGREES CONFERRED FEBRUARY 1, 1948

## SCHOOL OF AGRICULTURE

*Bachelor of Science Degree**Agriculture—Agricultural Economics Major*

James Daniel Bozard -----	Orangeburg	Robert Eugene Burns, Jr. -----	Laurens
---------------------------	------------	--------------------------------	---------

*Agriculture—Agronomy Major*

Olin Harry Blanton --	Tabor City, N. C.	Butler Norman Kelly, Jr. -----	Union
James Ferris Chaplin -----	Myrtle Beach	*Don Carlos Sharp, Jr. -----	Allendale
John Leak Conyers -----	Cartersville, Ga.	Charles Rembert Skinner -----	Mayesville
Dean Davis -----	Seneca	Warren Monroe Stuck -----	Pomaria
Andrew Copes Gramling, Jr. -----	Orangeburg	Edward David Weimortz -----	Williston
Wilda Jenkins Gray -----	Ulmers	Henry Grady Wilson, Jr. -----	Duncan
*Samuel J. Hadden -----	Hartsville	Francis Aubrey Yarborough -----	Lamar

*Agriculture—Animal Husbandry Major*

Noel Crowther Anderson -----	Abbeville	James Edison Craig -----	Salem
Kenneth Ray Bell -----	Lydia	Clarence Jackson Gullledge --	Wedgefield
Earl Reel Boazman -----	Chappells	Herman Festus Livingston, Jr. -----	North
*Thomas Campbell Cartwright -----	York	Robert Dye McNair -----	Gable
Benjamin Ralph Nicholson -----	-----	-----	Clarksville, Ga.

*Agriculture—Dairy Major*

Richard Richardson Baskin --	Bishopville	Charles Edford Cousins -----	Columbia
Johnson Heyward Cope -----	Cope	Wayne Talmage O'Dell -----	Easley
Walter Cuthbertson Spearman -----	-----	-----	Rock Hill

*Agriculture—Horticulture Major*

Russell Hobart Clemmer, Jr. --	Ridgeland	William Loretta Marlow -----	Inman
Alexander Jackson Dibble --	Orangeburg	O'Neal Miller, Jr. -----	Wagener
James Edmund Herlong -----	Saluda	Charles William Sanders -----	Columbia
William Charles Kennerty -----	Charleston	Edward Prince Spivey -----	Loris
John Seabrook Whaley -----	-----	-----	Wadmalaw Island

*Agricultural Engineering*

John Oscar Bethea -----	Darlington	Daniel Ellis Hay, Jr. -----	Johns Island
Addison Brooks Carwile, Jr. --	Abbeville	*Laurin Allen McInnis -----	Clio
Henry Curtis Edens, Jr. -----	Dalzell	Harry Glenn Rhodes -----	Darlington
John Stephen Evans -----	New Zion	William Ira Sturgis -----	Rock Hill

## SCHOOL OF ARTS AND SCIENCES

*Bachelor of Science Degree**Arts and Sciences*

James Marvin Helms, Jr. -----	Rock Hill
-------------------------------	-----------

*General Science*

James R. C. Calhoun -----	Dillon	Tally Smith Fox -----	Ravenel
Homer Coker -----	Turbeville	Curran Littleton Jones -----	Columbia
Robert Dean Ross -----	-----	Gaffney	-----

*Industrial Physics*

Jimmie Alan Suddeth -----	Clinton
---------------------------	---------

*Pre-Medicine*

Frank Epting Dreher ----	West Columbia	James Carlisle Shelley -----	Nichols
William Graham Ponder ---	Madison, Ga.	Charles Julius Valley -----	Pickens

## SCHOOL OF CHEMISTRY

*Bachelor of Science Degree**Chemistry*

Sewell Edward Hunsuck, Jr. ---	Whitney	James Cowan Ownby ----	Newport, Tenn.
Lehman Archie Overman --	Augusta, Ga.	Claude Lyttleton Williams, Jr. -----	-----
-----	-----	-----	Baltimore, Md.

\* With Honor

**SCHOOL OF ENGINEERING**  
*Bachelor of Science Degree*  
*Architecture*

Howard Davis Bangle -- Salisbury, N. C.      Robert Nyle Jackson, Jr. ---- Gray Court  
Charles Eugene Cheatham, Jr. ----- Greenville

*Chemistry-Engineering*

Felton Arless McEntire ----- Clemson

*Bachelor of Civil Engineering Degree*

John Wright Armstrong ----- Laurens	James Nelson Glenn ----- Clemson
Edward Herman Balentine --- Greenwood	William Wesley McWhorter--Spartanburg
Edgar Stuart Coffey ----- Manning	Joseph LaRoche Rivers ----- Johns Island
Roy Melvin Davenport, Jr. --- Miami, Fla.	James Reuben Wallace ----- Central
Charles Edgar Williams, Jr. ----- Rock Hill	

*Bachelor of Electrical Engineering Degree*

Marvin Carlyle Baldwin, Jr.---Orangeburg	Alexander Robert Mitchell, Jr.
Benjamin Edward Bostick ---- Beaufort	----- Mt. Pleasant
*John Workman Evans, Jr. --- Kingstree	Louis Albert Nooe, Jr. ----- Ridgeway
William Frederick Gunnels, Jr. --- Aiken	James Sutherland Russell --- Macon, Ga.
Benjamin Allen Hooker ----- Greenville	Claude Jackson Sperry, Jr.---Spartanburg
Robert Wells Lowman ----- Denmark	George Cleveland Thompson, Jr.
Frank Grohmann McCoy ----- Charleston	----- Falls Church, Va.
William Marshall McKenzie -- Lake City	Joseph Howard Welch, Jr. ---- Florence
Lewis Lamar Yarbrough ----- Thomaston, Ga.	

*Bachelor of Mechanical Engineering Degree*

John Franklin Ayers, Jr. --- Greenville	William Otway Printup, Jr.
Paul Hodges Barton ----- Travelers Rest	----- Baltimore, Md.
Robert Frank Davis ----- Columbia	Roland Wilson Quinn ----- Pacolet
John Robert Devlin ----- Greenwood	Duncan Wilkie Rabey, Jr.---Savannah, Ga.
George Reid Dusenberry, Jr. --- Due West	Ernest Harrison Rhame, III ----- Sumter
*Lewis Wilbur Felkel, Jr. ----- Cameron	Carl Gordon Richardson ----- Orangeburg
John Holmes Garraux ----- Greenville	Charles Hamilton Rogers ----- Hartsville
Charles Kenneth Hens ----- Charleston	Orrin Kenneth Rudd, Jr. --- Savannah, Ga.
Larry Maurice Hewin ----- Greenville	Joseph Crawford Seaman ----- Greenville
William Kenneth Ousley...Salisbury, N. C.	*William Clyde Stegall ----- Walhalla
Stockwell Dudley Pennington	William Ernest Stowe, Jr. ----- Rock Hill
----- Atlanta, Ga.	Martin Robert Tilson ----- Savannah, Ga.
	John Irving Westervelt ----- Greenville

**SCHOOL OF TEXTILES**

*Bachelor of Science Degree*

*Textile Engineering*

*Nat Simpson Anderson ----- Piedmont	Lewis Oscar McKee ----- Woodruff
William Earle Bates, Jr. --- Spartanburg	Calvin Emanuel Parrish--Cedartown, Ga.
Roy Stallings Bobo ----- Greenville	Albert Seitz Pfaff--Avon by the Sea, N. J.
Howard Earl Brown ----- Greenville	William Yeldell Quarles, Jr. --- Abbeville
*James Leighton Brown -- Hartwell, Ga.	Robert Ellison Ragsdale, Jr.---Williamston
Lawrence Haskell Buchanan --- Marietta	Arthur West Rollins ----- Charleston
Charles Boyd Burnett ----- Spartanburg	Maner Erwin Sibley -- Milledgeville, Ga.
William Henry Burns ----- Clemson	Melvin Herman Smith ----- Great Falls
Robert Lewis Calvert ----- Honea Path	Karl Ernest Thies, Jr. --- Charlotte, N. C.
J. G. Farrell, Jr. ----- Drayton	Lewis Willard Thompson -- Spartanburg
Thomas Norris France ----- Spartanburg	*William Stillwell Vincent--Spartanburg
Frederick Eison Glenn ----- Greer	*John William Webster ----- Greenville
William Duncan Graham ----- Rock Hill	*Robert Beverley Willey ----- Greenville
Robert Hughes King ----- Lancaster	Robert Powe Wilson ----- Chesterfield

**SCHOOL OF VOCATIONAL EDUCATION**

*Bachelor of Science Degree*

*Vocational Agricultural Education*

Chesley Clarence Beam--Lawndale, N. C.	John Robert Lindsey ----- Omega, Ga.
James Scott Boozer ----- Chappells	Robert Everett Norris ----- Conway
Robert Clifton Chastain ----- Pickens	Senis McTeer Padgett ----- Ruffin
Curtis Wildon Derrick, Jr. --- Columbia	Glenn Parnell Plyler ----- Columbia
John William Harris ----- Madison	Richard Charles Truett ---- Timmons ville
Preston B. Herlong ----- Johnston	John Dewey Winburn, Jr. ---- Hartsville

\* With Highest Honor

*Education*

Jack Ross, Jr. ----- West Palm Beach, Fla.

*Industrial Education*

William Glenn Childers ----- Lexington      Albert David Farah ----- Whitmire  
Robert Bruce Lynch ----- Folly Beach

## MASTERS' DEGREES CONFERRED FEBRUARY 1, 1948

## MASTER OF SCIENCE

*Agricultural Economics*

Jackson Vahl McElveen ----- Cades      James Samuel Plaxico ----- Sharon  
Joe Allen Martin ----- Bowersville, Ga.      Boyd Joseph Todd ----- Loris

## DEGREES CONFERRED JUNE 6, 1948

## SCHOOL OF AGRICULTURE

*Bachelor of Science Degree**Agriculture—Agricultural Economics Major*

John O'Neil Gerald ----- Loris      Lamar Tarrant Judy ----- Orangeburg  
Joseph Gilbert Hardee ----- Loris      Lewis Hall Trotti ----- Chesterfield  
James Neal Young ----- Florence

*Agriculture—Agronomy Major*

Howell Floyd Beach, Jr. ---- Walterboro      †Alfred Sheriff Gramling --- Orangeburg  
Luther Smith Bird ----- Greenville      Ralph Williams Kay ----- Easley  
Edward Foster Carnell ----- Union      Clemson Horace Key ----- Warrenville  
William Thomas Clayton ----- Central      Thomas Belton Laney ----- Cheraw  
Alfred Ben Coleman ----- Anderson      Charles Whitted Leavell ----- Sumter  
Thomas Lewis Drummond ----- Woodruff      Reese Dean Morgan ----- Springfield  
†Ray Curtis DuBose ----- Lamar      Dewey Paul Rochester ----- Salem  
William Herbert Funchess, Jr. -----      †Hilton Vernard Rogers ----- Chesnee  
----- Rowesville  
†Duane Benjamin Rosenkrans, Jr. ----- Clemson

*Agriculture—Animal Husbandry Major*

Olin Edward Baxley ----- Kershaw      Walter Herbert Kennick ----- Chester  
Lewis Felton Cato ----- Monetta      Hugh Gilbert McColi ----- Clio  
Samuel Eugene DuRant ----- Alcolu      Isham Nathaniel Rizer ----- Lodge  
William Ray Flemming ----- Gable      James Hoyt Rogers ----- Hartsville  
Charles Edward Haines ----- Riverdale, Md.      Ernest Gary Tate, Jr. ----- Taylors  
Harvey Zane Woodfin ----- Inman

*Animal Husbandry and Vocational Agricultural Education*

Milo Plympton Zuver ----- Clemson

*Agriculture—Dairy Major*

James Francis Causey ----- Furman      Richardson Miles Hanckel --- Charleston  
Constantine George Coclin ----- Beaufort      Rudolph Brown Pursley ----- Filbert  
Samuel McCarthy Frazer, Jr. ----- Chester      Cyril Shuman ----- Furman  
James Gordon Hagen, Jr. ----- Abbeville      McCagga Baxter Smith ----- Spartanburg

*Agriculture—Entomology Major*

Max M. Askey, Jr. ----- North Augusta      †Leon Hunter Moore ----- York  
Ernest Craig Turner, Jr. ----- Clemson

*Agriculture—Horticulture Major*

Richard Hal Bowers ---- Fitzgerald, Ga.      †Edward August Lindenberg --- Charleston  
Lynch Horry Deas Boykin, Jr. -- Boykin      William John Park ----- Greenwood  
Francis Coppedge Emanuel ----- Rembert      James Somers Rodgers ----- Charleston  
Roscoe John Higdon ----- Gay, N. C.      †Harold Douglass Taylor ----- Greenville

\* With Highest Honor

† With High Honor

‡ With Honor

*Agricultural Engineering*

Francis Pelham Bradford, Jr. --- Sumter	†Carl McHenry Lund ----- Columbia
Carson Carmichael, Jr. ----- Fork	Frederick Keating Norris, Jr. --- Eutawville
Woodrow Barthell Chastain ----- Pickens	Veran Kelton Quattlebaum ----- Williston
Martin Brian Hall, Jr. ----- York	Ernest Brasington Rogers, Jr. --- Sumter
Marshall Wilson Loupo ----- Lake View	James Howard Shirer ----- Elloree
Frank Cullen Lucius -----	Charles Calvert Vaughan ----- Jonesville
----- West Palm Beach, Fla.	Watkins Whittaker Woodson ---- Central

## SCHOOL OF ARTS AND SCIENCES

*Bachelor of Science Degree**Arts and Sciences*

Frank Morgan Allen ----- Central	Herbert Hall Provence, Jr. --- Greenville
Charles Wesley Ellis ---- Brunswick, Ga.	Alfred Burgess Robinson ----- Easley
William Thomas Holroyd ----- Anderson	William Alexander Robinson, Jr. --- Easley
†Herman Howard Kirkpatrick -----	Clyde Weaver, Jr. ----- Timmons ville
----- Mount Vernon, Iowa	William Montgomery Wilkins -----
†Harold Fochone Landrith ----- Seneca	----- Spartanburg
†Leigh Harrison Maier ---- Nutley, N. J.	Tom Walker Yarboro, Jr. ----- Mullins

*General Science*

Marshall Alexis Fant, Jr. ----- Anderson	John Evans Reese, Jr. ----- Columbia
William Foxworth Thompson -----	Marion

*Industrial Physics*

Robert Lee Chaplin, Jr ----- Ridgeland	†Joseph Otto McCrary ----- Greenville
--	---------------------------------------

*Pre-Medicine*

†Joe Walton Frazer, Jr. --- Charlotte, N. C.	Henry Mitchell Reynolds, Jr. --- Edgefield
Walter Lee Gaillard ----- Williamston	James Booth Smith ----- Charleston
Morey Lipton ----- Beaufort	James Carlisle Thrailkill ----- Saluda
Louis Garthright Ratcliffe, Jr. -----	Harold Eugene Walker ----- Anderson
----- Charlotte, N. C.	

## SCHOOL OF CHEMISTRY

*Bachelor of Science Degree**Chemistry*

Hugh Gilbert Brown, Jr. --- Orangeburg	†Francis Baird Hutto, Jr. -----
James Kenneth Brown --- Travelers Rest	----- Jacksonville, Fla.
†Stanley Bernard Farbstein --- Beaufort	Carl Martin Norton, Jr. ----- Estill
Julian Beattie Friday, Jr. --- Charleston	William Bryan Rogers, Jr. --- Blackville
John William Gillespie ----- Walhalla	Henry Cumming Twiggs, Jr. -----
	----- Havana, Cuba

## SCHOOL OF ENGINEERING

*Bachelor of Science Degree**Architectural Engineering*

Harry Graham Reynolds -----	Greenwood
-----------------------------	-----------

*Architecture*

†Mel Pegram Booker ----- Anderson	James Calvin Hemphill, Jr. --- Greenwood
Leslie Jean Cronk ----- Metuchen, N. J.	Rufus Duncan Lewis, Jr. --- Spartanburg
Clifford Poinsett Exum, Jr. ----- Sumter	James Larry Poole --- Asheville, N. C.
Don Deleno Folk, Jr. ----- Greenville	Samuel Rufus Putnam, Jr. --- Greenville

*Chemistry-Engineering*

John Levi Cooper, Jr. ----- Greenville	Fred Kenneth Guest ----- Travelers Rest
Ralph French Whall -----	San Juan, P. R.

- \* With Highest Honor
- † With High Honor
- † With Honor

*Bachelor of Chemical Engineering Degree*

James Kenneth Brown .. Travelers Rest	†William Warren Gignilliat .. Macon, Ga.
†Stanley Bernard Farbshtein .... Beaufort	Claude Reuben Smith .. Lancaster

*Bachelor of Civil Engineering Degree*

Virgil Lawrence Ashmore, Jr. .... Greenville	†Alex Andrew Moss .. Greenville
John Folk Brunson .. Fairfax	James Marion Peek .. Blacksburg
William Brooks Bryans, Jr. .... Dublin, Ga.	Neill Macaulay Perrin .. Greenville
John Pierce Calhoun .. Sumter	†William Kerr Stephens .. Canton, N. C.
Charles Kenneth Cheezem .. Andrews	†James Edward Sultis .. Memphis, Tenn.
Joseph Anthony Font .. Santurce, P. R.	Oscar Raymond Summer, Jr. .... Newberry
John Lewis Gervais, Jr. .... Johns Island	John Elam Thomas, Jr. .... Nashville, Tenn.
James Calvin McLane, Jr. .... Newberry	Frederick A. Triplett, Jr. .... Chester
Thomas Roland Morris, Jr. .... Hickory, N. C.	Cambridge Munro Trott, Jr. .... Charleston
	Joe Emerson Webb .. Saluda

*Bachelor of Electrical Engineering Degree*

James Neel Bailey, Jr. .... Greenwood	George Lee Milton McCuen .... Ware Shoals
Robert Herman Berly, Jr. .... Lexington	†John Campbell Martin .. Orangeburg
Lorrie Wilson Burdette, Jr. .... Greenville	Swaine Adelbert Merchant, Jr. .... Bamberg
*Henry Thompson Cannon .. Newberry	Herbert A. Moses .. Sumter
†Andrew Boyce Carson, Jr. .... Greenville	Thomas Watkins Patrick .. Clemson
Arthur Mell Doolittle, Jr. .... Athens, Ga.	†William Warren Pruitt .. Greenville
Verde Hansford Eargle .. Leesville	Philip Booth Ross .. Sumter
Frank Gorman .. St. Petersburg, Fla.	Earle Baker Scott .. Marion
John Godfrey Gravlee, Jr. .... De Land, Fla.	George Zachary Siokos .. Columbia
Archie Weldon Hill, Jr. .... Spartanburg	Thomas Franklin Stackhouse, Jr. .... Florence
Max Holland .. Bowersville, Ga.	Harold Edward Thomason, Jr. .... Greenville
James William Ivey .. Spartanburg	Thomas Edwin Thornhill .. Charleston
John Epting Jenkins .. Simpsonville	Charles McDonald Timmons .. Greenville
Thomas Duckett Johnson .. Newberry	Charles Vernon Watson .. Spartanburg
Davis Hazel Kirby .. Lynchburg	Garlington Columbus Wilburn .. Ridgeland
William Glenn Lovett, Jr. .... Charlotte, N. C.	
†Eugene Gilmer McCall, Jr. .... Rock Hill	

*Bachelor of Mechanical Engineering Degree*

George Albright Beach, Jr. .... Columbia	Guillermo Antonio Iturralde G. .... Guantanamo, Cuba
Waldo Neely Blackmon .. Rock Hill	Cyrus Mellette Jeffords .. Spartanburg
Philip Stockton Boykin, Sr. .... Boykin	Philip Klinck .. North Augusta
†George Hirst Bradley, Jr. .... Atlanta, Ga.	Harry Lloyd Lancaster, Jr. .... Port Royal
Harry Alvin Braswell .. Marion	John Thomas McElveen .. Columbia
Samuel Charles Brown, Jr. .... Charleston	Branch McKessick McNeely, Jr. .... Mooresville, N. C.
Ernest Henry Cappelmann, Jr. .... Columbia	Walter G. Musselman .. Bethlehem, Pa.
Kenneth Gladstone Caughman, Jr. .... Anderson	William Hill Orders .. Greenville
	Clarence Eugene Richbourg .. Liberty
Robert Phillips Corker .. Springfield	Henry Fowles Rivers, Jr. .... Johns Island
Robert Lee Crawford, Jr. .... Savannah, Ga.	James Baird Sanders .. Rock Hill
Robert R. Dickerson .. Spartanburg	Henry Edward Simpson .. Greenville
Horace Grady Edmondson, Jr. .... Cedartown, Ga.	John Albert Smith .. Juncos, P. R.
	Robert Hartwell Strange .. Sumter
Henry Stuckey Flowers .. Sumter	Arthur Mason Suggs .. Clover
Robert Spencer Frye .. Atlanta, Ga.	Clyde Clayton Thompson, Jr. .... Columbia
John Leon Gabrels .. Pauline	Van Noy Thornhill .. Charleston
†William Thomas Hammond .. Charleston	John Holmes Trescott, Jr. .... Columbia
Elbert Bonie Hubbard, Jr. .... Sumter	Charles Fairey Varn .. Charleston
Harry C. Hutson, Jr. .... Charleston	Harold Irving Warrington .. Moorestown, N. J.

## SCHOOL OF TEXTILES

*Bachelor of Science Degree**Textile Chemistry*

†Roy Holroyd France .. Spartanburg	Theodore Alexander Jeffords, III .. Orangeburg
Aquille Mazon Hand, Jr. .... Hardeeville	Albert Lee Lefler .. Converse
George Foster Hemphill .. Greenwood	†John Martin Nesius .. Utica, N. Y.
Joel Earl Hudson, Jr. .... Greenville	Ralph Edward Taylor .. Newberry

\* With Highest Honor

† With High Honor

† With Honor

*Textile Engineering*

James Bramlett Anderson ---- Fairforest  
 Rudolf Anderson, Jr. ----- Greenville  
 Louis Pinckney Batson, Jr. -- Greenville  
 Ernest Blakely, Jr. ----- Greenville  
 Milton Prue Blanchett, Jr. --- Abbeville  
 Leland Earl Burns ----- Greenville  
 Calvin Clifford Carlton ----- Anderson  
 Joseph Hollingsworth Carter, Jr. -----

----- Newton, N. C.

John Franklin Chalmers ----- Anderson  
 \*Robert Erwin Christenberry --- Greenville  
 Charles Taylor Cockrell --- Chipley, Fla.  
 Joseph Greene Connolly -----

----- Morganton, N. C.

Charles Henry Crumpton --- Orangeburg  
 Bland Mathis Derrick ----- Irmo  
 Arthur Cosby Dorsey ----- Greenville  
 Clarence Vernon Elrod ----- Central  
 James Carlisle Fair ----- Greenville  
 Glenn Carzell Gambrell ----- Seneca  
 Ralph Lee Garner ----- Union  
 Clyde Franklin Garren, Jr. -- Greenwood  
 Guy Alexander Glenn ----- Fair Play  
 Thomas Hunter Graham ----- Scranton  
 Edward Hampton Greene ----- Greenwood  
 Frank Prentiss Hammond ----- Greenville  
 Robert Paul Harrington ----- Manning  
 Nelson Norfleet Harte, Jr. --- Spartanburg  
 Charles Edward Heaton ----- Piedmont  
 Robert McLean Hicklin ----- Richburg  
 Clay Babb Hill ----- Fountain Inn  
 Jack Payson Holland ----- Columbia

Ernest Ervin Holt, Jr. ---- Spartanburg  
 Clement Ralph Howell ----- Greer  
 Harold Rhyne Jones ----- Gastonia, N. C.  
 Larry Lee Knight ----- Drayton  
 Richard David Laycock --- Houston, Tex.  
 Ernest Fewell Livingston --- Greenwood  
 †John Fraser Livingston ----- Columbia  
 Charles Reid Martin ----- Pendleton  
 T. L. Meeks ----- Belton  
 Grover Cleveland Miller, Jr. -- Greenville  
 Raymond DuRant Morris ----- Anderson  
 Robert Alonzo Mullikin ----- Williamston  
 Dorsey Newton ----- Hartsville  
 Arthur Nuttall, Jr. ----- Cedartown, Ga.  
 Joel Phillips ----- Anderson  
 Augustine Edward Punaro --- North Augusta  
 Winston Andrew Quinn ----- Pelzer  
 Woodford Simpson Quinn ----- Pelzer  
 Francis Charles Ramsey ----- Gaffney  
 Horace Edward Riley Ray ----- Olar  
 Donnie Dewey Rice, Jr. ----- Anderson  
 Thomas Smythe Richbourg ----- Dillon  
 Norman Victor Smith, Jr. ----- Greer  
 Robert Clanton Smith, Jr. --- Spartanburg  
 Harold Rickert Valerius, Jr. -----

----- St. Louis, Mo.

†William Thomas Waters ----- Camden  
 William Lester Whitesides, Jr. -- Smyrna  
 Howard Bryan Whitmire ----- Westminster  
 John Thomas Wington, Jr. --- Clemson  
 Charles Coolidge Withington, Jr. -----  
 ----- Greenville

*Textile Manufacturing*

†William Marshall Chapman ----- Spartanburg

*Textile Engineering and Textile Manufacturing*

‡James Henry Walker, III ----- Griffin, Ga.

## SCHOOL OF VOCATIONAL EDUCATION

*Bachelor of Science Degree**Vocational Agricultural Education*

Milton Otho Alexander ----- Central  
 Roy Vernon Boggs ----- Seneca  
 Chester Clair Carter ----- Leo  
 Ernest Thompson Chandler ----- Olanta  
 Percival Christopher Evans, Jr. --- Elloree  
 Eddis Wilton Freeman ----- Greenville  
 Carl Edwin Gambrell, Jr. ----- Piedmont  
 Thomas William Gladden ----- Lowrys  
 David Benjamin Gohagan ----- Furman  
 William Luther Haltiwanger -----  
 ----- Little Mountain  
 Simeon Pinckney Wright -----

George Joel Harris ----- Madison  
 Thomas Ezra Hill ----- Hartsville  
 Edwin Elbert Lane ----- Mullins  
 James Garfield Lesley ----- Easley  
 Carl Elmore Lowder ----- Turbeville  
 Ansel Darwyn Orander ----- Easley  
 VonLeigh Omar Snegrove ----- Gilbert  
 David Kershaw Stokes, Jr. ----- Camden  
 R. E. Stone ----- Pamplico  
 Boyce Todd ----- Loris  
 Samuel Onice Tomlinson ----- Olanta  
 ----- Bishopville

*Industrial Education*

Robert Hamilton Folk ----- Belton  
 John Mathias Moorer ----- Charleston  
 Donald Bayne Murray ----- Chester

Raymond Herbert Pettit ----- Gaffney  
 John Robert Scoggins ----- Smyrna  
 William Cecil Walters ----- Lancaster

*Professional Degree of Civil Engineer*

Earle Sloan ----- Columbia

\* With Highest Honor

† With High Honor

‡ With Honor

## DEGREES CONFERRED AUGUST 20, 1948

## SCHOOL OF AGRICULTURE

*Bachelor of Science Degree**Agriculture—Agricultural Economics Major*

Holbert Orson Crawford ----- Clemson

*Agriculture—Agronomy Major*

William Hartwell Cook -----	Bartow, Fla.	Robert Lawrence Joye -----	Lamar
Charles Edward Hiott -----	Round O	Luther Samuel Morris -----	Olar
Cleland Blain Player, Jr. -----			Bishopville

*Agriculture—Animal Husbandry Major*

Earle Joiner Bedenbaugh ----- Prosperity

*Agriculture—Dairy Major*

Leonard David Carter ----- Ehrhardt Clarence Jerome Senn ----- Columbia

*Agriculture—Entomology Major*

Ralph Bernard Hancock ----- Ruby William Ruff Traylor ----- Ridgeway

*Agriculture—Horticulture Major*

Clarence Allen Major, Jr. ----- Pahokee, Fla.

*Agricultural Engineering*

James Hilton Arnette -----	Conway	Stephen Eason Tyson, Jr. -----	Strother
Lyman Russell Hammett -----	Gaffney	Joseph O'Neal Webster -----	Loris
James Richard Lay -----	Westminster	Lambert Henry Wilkes -----	Winnsboro
John Curtis Sharpe -----	Rock Hill		

## SCHOOL OF ARTS AND SCIENCES

*Bachelor of Science Degree**Arts and Sciences*

Lewis Little Bradham -----	Sumter	Charles Barksdale Pinson, Jr. -----	
Legare Cato, Jr. -----	Monetta		Greenwood
Robert Mitchell Drew -----	Ridgeland	†Edwin Hoffman Rhyne -----	Clemson

*General Science*

Charles Bennett Lide ----- Marion James Bernard Shuler, Jr. --- McClellanville

*Industrial Physics*

†James Robert Jacques ----- Ware Shoals

*Pre-Medicine*

George Charles Finklea -----	Pamplico	William Harvey Hunter -----	Greenville
James Jervy Ravenel, Jr. -----			Charleston

## SCHOOL OF ENGINEERING

*Bachelor of Science Degree**Architectural Engineering*

Waveland Sinclair FitzSimons, Jr. ----- Charleston

*Bachelor of Civil Engineering Degree*

†John William Fowler -----	Gaffney	Leon Herbert Shealy -----	Batesburg
Wendell Rudolph Gwinn -----	Roebuck	Marion Hartwell Traylor, Jr. ---	Ridgeway
James Lee Ridgill, Jr. -----	Manning	Robert Lewis Webb -----	Virginia Beach, Va.

\* With Highest Honor

† With High Honor

† With Honor

*Bachelor of Electrical Engineering Degree*

Warren Jacob Bost -----	Spartanburg	John Gilliam Ross -----	Newberry
Clarence Calvin Cook -----	Prosperity	Edward Henry Stehmeyer ----	Charleston
Vann Joshua Deas, Jr. -----	Rock Hill	William Earl Thraillkill -----	Saluda
Robert Moffatt Millen, Jr. ----	Richburg	Arthur Samuel Trumpore, Jr. ---	Beaufort
†Richard Lee Person --	Greensboro, N. C.	Robert Walling White -----	Greenwood

*Bachelor of Mechanical Engineering Degree*

George Woodruff Anderson -----	Gastonia, N. C.	Brice Elliott Lytle -----	Fort Mill
Frederick Arthur Bailey, III -----	Charleston	Joseph Rhett Reid -----	Sumter
McLeod W. Harrelson -----	Georgetown	Wallace Whitfield Scott, Jr. ---	Holly Hill
Harold Abraham Hollembeak --	Greenville	Milton Clyde Sharpe, Jr. -----	Abbeville
Richard Edward Imershein -----	Woodmere, N. Y.	†Clark Berry Stewart --	Chevy Chase, Md.
Joseph Earle Lee -----	Greenville	William Kenneth Stewart ---	Savannah, Ga.
		Joseph William Turner, Jr. ---	Albany, Ga.
		Richard Michaux White -----	Sumter

## SCHOOL OF TEXTILES

*Bachelor of Science Degree**Textile Engineering*

Gordon Smedley Davis -----	Greenville	Richard Calvin Hendrix -----	Greenville
Holmes Walton Fowler -----	Union	Harry Burr Iler, Jr. -----	Greenville
Cecil Blair Frick, Jr. -----	Clifton	Frank Kelly Jones, Jr. -----	Newberry
Charles Harrison Glenn -----	Greer	John Edward Koopman -----	Spartanburg
Robert Frank Hayes, Jr. -----	Chester	George William Mozingo, Jr. --	Rock Hill
Broadus Brock Williams -----			Daisy, Tenn.

*Textile Manufacturing*

Irving Emanuel Abrams -----	Greenville	Eugene Burton May ----	Asheville, N. C.
Howard Hardin Arnold -----	Woodruff	Charles Diblin Stradley -----	Greenville
George Ludlow Hodges, Jr. -----	Anderson	Harry Howell Williams, Jr. ---	Orangeburg
John William Kimman, Jr. -----	Fredericksburg, Va.		

## SCHOOL OF VOCATIONAL EDUCATION

*Bachelor of Science Degree**Vocational Agricultural Education*

†J. T. Black -----	Leesville	Seth Prior Hunt -----	Fountain Inn
William Fred Crowther -----	Due West	John Albert Lyon -----	Edgefield
Charles Rudolph Dillard -----	Seneca	Furman Googe O'Neal -----	Fairfax
Edward Benson Earle -----	Central	†Marvin Charles Smith -----	Dudley, Ga.
John William Green -----	Turbeville	Harold Lee Snipes -----	Marion
Robert Arthur Hall -----	Camden	Joseph Pearl Stevens -----	Conway
Jennings Christopher Hollingsworth -----	Troy	Warren Monroe Stuck -----	Pomaria

*Education*

John Leon Allen -----	Pacolet Mills
-----------------------	---------------

*Industrial Education*

Harold McSwain Ballew -----	Greenville	Rexford Carroll Hargrove -----	Mt. Olive, N. C.
Ladson Adville Barnes, Jr. -----	Rock Hill	Davis Leroy Reames, Jr. ----	Bishopville
Belton O'Neal Compton -----	Greenwood		
Charles Edward Farah -----	Rock Hill		

\* With Highest Honor

† With High Honor

‡ With Honor

## GRADUATES OF 1948 BY MAJOR COURSES

SCHOOL OF AGRICULTURE .....	132***
Agricultural Economics .....	8
Agricultural Enigneering .....	28
Agronomy .....	36*
Animal Husbandry .....	22**
Dairy .....	15
Entomology .....	5
Horticulture .....	18
SCHOOL OF ARTS AND SCIENCES .....	47
Arts and Sciences .....	18
General Science .....	10
Industrial Physics .....	4
Pre-Medicine .....	15
SCHOOL OF CHEMISTRY .....	13†
Chemistry .....	13†
SCHOOL OF ENGINEERING .....	187†
Architctural Engineering .....	2
Architecture .....	11
Chemical Enigneering .....	4†
Chemistry-Engineering .....	4
Civil Engineering .....	34
Electrical Engineering .....	57
Mechanical Engineering .....	75
SCHOOL OF TEXTILES .....	117#
Textile Chemistry .....	8
Textile Engineering .....	100#
Textile Manufacturing .....	9#
SCHOOL OF VOCATIONAL EDUCATION .....	66***
Vocational Agricultural Education .....	49***
Education .....	2
Industrial Education .....	15
TOTAL GRADUATES OF 1948 .....	557

\*Includes one student who was graduated in both Agronomy and Vocational Agricultural Education.

\*\*Includes one student who was graduated in both Animal Husbandry and Vocational Agricultural Education.

\*\*\*Includes two students who were graduated; one in Agronomy and Vocational Agricultural Education, the other in Animal Husbandry and Vocational Agricultural Education.

†Includes two students who were graduated in both Chemistry and Chemical Engineering.

#Includes one student who was graduated in both Textile Engineering and Textile Manufacturing.

## TOTAL GRADUATES BY MAJOR COURSES

1896 — 1948

<i>Major Course</i>	<i>Total</i>	<i>Major Course</i>	<i>Total</i>
Agriculture -----	244	Education -----	22
Agriculture and Animal Industry ----	80	Electrical Engineering -----	714
Agriculture and Chemistry -----	69	Engineering Industrial Education ---	70
Agricultural Chemistry -----	99	Entomology -----	115
Agricultural Economics -----	137	Forestry -----	8
Agricultural Education -----	197	General Science -----	357
Agricultural Engineering -----	141	Horticulture -----	289
Agronomy -----	499	Industrial Education -----	115
Animal Husbandry -----	265	Industrial Physics -----	8
Architectural Engineering -----	11	Mechanical Engineering -----	513
Architecture -----	217	Mechanical and	
Arts and Sciences -----	159	Electrical Engineering -----	489
Bachelor of Science -----	3	Pre-Medicine -----	92
Botany -----	11	Soils -----	9
Chemical Engineering -----	50	Textile Chemistry -----	159
Chemistry -----	224	Textile Engineering -----	815
Chemistry and Geology -----	11	Textile Industrial Education -----	85
Chemistry-Engineering -----	43	Textile Manufacturing -----	8
Civil Engineering -----	644	Veterinary Science -----	16
Dairy -----	222	Vocational Agricultural Education --	454
		Weaving and Designing -----	42

*Double Majors*

Agricultural Chemistry and Arts and Sciences -----	1
Agricultural Chemistry and General Science -----	1
Agricultural Economics and Animal Husbandry -----	1
Agricultural Economics and Vocational Agricultural Education -----	1
Agronomy and Vocational Agricultural Education -----	1
Animal Husbandry and Vocational Agricultural Education -----	3
Animal Husbandry and Agricultural Education -----	3
Animal Husbandry and Dairy -----	2
Architecture and Architectural Engineering -----	9
Arts and Sciences and Agricultural Economics -----	1
Chemical Engineering and Chemistry and Chemistry-Engineering -----	2
Chemical Engineering and Chemistry-Engineering -----	1
Chemistry and Chemical Engineering -----	1
Chemistry and Chemistry-Engineering -----	1
Chemistry and General Science -----	1
Chemistry and Industrial Physics -----	1
Chemistry and Agricultural Chemistry -----	1
Civil Engineering and Chemistry and Geology -----	2
Electrical Engineering and Mechanical Engineering -----	16
General Science and Education -----	1
General Science and Electrical Engineering -----	1
Horticulture and Agronomy -----	1
Pre-Medicine and Textile Chemistry -----	1
Textile Engineering and Mechanical and Electrical Engineering -----	1
Textile Engineering and Textile Industrial Education -----	1
Textile Engineering and Textile Manufacturing -----	1
Textile Engineering and Weaving and Designing -----	1
Total Graduates from 1896 through 1948 -----	7763

## LIST OF STUDENTS, 1948 SUMMER TERM

The names are arranged in alphabetical order and following the names are symbols indicating classes and courses. The classification of undergraduates is indicated by numerals as follows: 1—Freshman, 2—Sophomore, 3—Junior, 4—Senior.

The abbreviations following the numerals refer to the student's major course: A-Agriculture (unclassified as to major course), Ag Ec-Agricultural Economics, Agron-Agronomy, AH-Animal Husbandry, Bot-Botany, Dairy-Dairy, Ent-Entomology, Hort-Horticulture, Poul-Poultry, Ag-En-Agricultural Engineering, Pre-For-Pre-Forestry; A&S-Arts and Sciences, GS-General Science, Ind Phys-Industrial Physics, Pre-Med-Pre-Medicine; Chem-Chemistry; E-Engineering (unclassified as to major course, but the abbreviation following the "E" indicates a preliminary choice of major course), Arch-Architecture, Ar En-Architectural Engineering, Ch En-Chemical Engineering, Ch-En-Chemistry-Engineering, CE-Civil Engineering, EE-Electrical Engineering, ME-Mechanical Engineering; T-Textiles (unclassified as to major course, but the abbreviation following the "T" indicates a preliminary choice of major course), TC-Textile Chemistry, TE-Textile Engineering, TM-Textile Manufacturing; VAE-Vocational Agricultural Education, Ed-Education, Ind Ed-Industrial Education.

New students admitted in June, 1948, are indicated by an asterisk (\*).

Name and Course	Address	Name and Course	Address
Abrams, A. E. (3 TM) -----	Ware Shoals	Bailey, B. D. (3 EE) -----	Heath Springs
Abrams, I. E. (4 TM) -----	Spartanburg	Bailey, F. A. (4 ME) -----	Charleston
Ackerman, C. L. (2 ME) -----	St. George	Bailey, G. T. (3 TE) -----	Greenville
Ackerman, R. E. (3 Pre-Med) -----	Moncks Corner	Bailey, R. B. (S TE) -----	Columbia
Adams, I. J. (2 A-AH)* -----	Kershaw	Bailey, T. W. (2 CE) -----	Summerville
Adams, L. G. (4 Ind Phys) -----	Seneca	Baird, R. L. (4 Agron) -----	Darlington
Aguiar, J. E. (3 TM) -----	Alajuela, C. R.	Baker, E. R. (3 ME) -----	Great Falls
Aiken, D. A. (3 TM) -----	Winnsboro	Baker, P. E. (PG TM) -----	Whitmire
Akers, D. J. (2 A-Hort) -----	Carrollton, Ky.	Baldwin, C. M. (2 CE) -----	Georgetown
Aldous, G. C. (2 EE) -----	Naval Base	Ball, W. L. (4 EE) -----	Laurens
Alexander, B. M. (2 TM) -----	Lyman	Ballenger, R. D. (2 TM) -----	Charlotte, N. C.
Alexander, J. F. (4 Ag Ec) -----	Anderson	Ballenger, S. B. (3 TM) -----	Charlotte, N. C.
Alexander, M. C. (2 Chem) -----	Walhalla	Ballentine, W. W. (3 Ag En) -----	Blythewood
Alford, W. E. (1 Pre-For) -----	Charleston	Ballew, H. M. (4 Ind Ed) -----	Greenville
Allen, G. A. (4 Agron) -----	Franklin, Tenn.	Ballew, W. C. (3 TM) -----	Easley
Allen, J. L. (PG Ed) -----	Pacolet Mills	Ballinger, W. H. (2 TM)* -----	Atlanta, Ga.
Allen, O. L. (3 CE) -----	Walhalla	Barfield, W. M. (2 A-AH) -----	Sumter
Ameen, W. O. (3 Ar En) -----	Winnsboro	Barker, H. V. (2 ME) -----	Seneca
Anderson, B. R. (4 VAE) -----	Timmons ville	Barnes, D. E. (3 EE) -----	Brevard, N. C.
Anderson, C. P. (3 TM) -----	Lexington, N. C.	Barnes, G. T. (4 A&S) -----	Savannah, Ga.
Anderson, G. W. (4 ME) -----	Gastonia, N. C.	Barnes, L. A. (4 Ind Ed) -----	Rock Hill
Anderson, J. R. (3 TM) -----	Elmhurst, Ill.	Barnes, R. E. (2 TM) -----	Rutherfordton, N. C.
Anderson, L. P. (3 Agron) -----	Nichols	Barnett, E. W. (3 TM) -----	Great Falls
Andrea, F. W. (3 CE) -----	Greer	Barnett, J. E. (4 Pre-Med) -----	Marietta
Archer, C. L. (3 GS) -----	Anderson	Barnwell, C. S. (4 TE) -----	Macon, Ga.
Armstrong, L. W. (3 TC) -----	Charleston	Barrett, C. M. (4 TC) -----	Lancaster
Arnette, J. H. (4 Ag En) -----	Conway	Bartlett, F. O. (1 E-Ch En) -----	Spartanburg
Arnette, W. J. (3 TM) -----	Winnsboro	Barton, E. B. (4 EE) -----	Winnsboro
Arnold, H. H. (4 TM) -----	Woodruff	Bates, B. L. (3 CE) -----	Spartanburg
Arnold, T. R. (1 Arch) -----	Anderson	Bates, E. (4 TM) -----	Rock Hill
Asbury, R. R. (2 TE) -----	Taylor's	Batson, H. G. (1 T-TM) -----	Laurens
Ashley, G. H. (4 TE) -----	Ware Shoals	Beatty, C. H. (3 EE) -----	Dunbarton
Ashley, R. H. (2 TM) -----	Iva	Beatty, F. E. (3 ME) -----	Charleston
Ashley, W. E. (4 TM) -----	Donalds	Bedenbaugh, E. J. (4 AH) -----	Prosperity
Ashley, W. M. (3 TM) -----	Anderson	Bedenbaugh, P. H. (4 VAE) -----	Leesville
Ashley, W. T. (2 Pre-Med) -----	Pikeville, Ky.	Behling, R. B. (2 EE) -----	St. George
Askins, S. E. (2 Ch En) -----	Kingstree	Bell, J. D. (3 TE) -----	Navy Yard
Atkins, W. G. (3 TM) -----	Anderson	Bell, R. (3 Ag En) -----	Hartsville
Atkins, W. R. (2 A) -----	Hamer	Benton, O. F. (3 TM) -----	Eufaula, Ala.
Attaway, J. M. (2 Pre-Med) -----	Beaufort	Berly, J. C. (4 EE) -----	Pomaria
Auld, I. D. (1 VAE) -----	Mt. Pleasant	Berry, E. B. (S) -----	Anderson
Austin, J. N. (4 ME) -----	Laurens	Bevis, J. H. (3 TE) -----	Charleston
Baggett, B. H. (3 ME) -----	Columbia	Bianchi, C. A. (4 Ind Ed) -----	Blythewood
Bagwell, H. B. (3 ME) -----	Spartanburg	Bird, L. S. (PG) -----	Greenville

Name and Course	Address	Name and Course	Address
Bisher, E. P. (4 Ch En)	Kingston, Pa.	Cato, L. (4 A&S)	Monetta
Bishop, B. C. (3 EE)	Greenwood	Cauthen, V. W. (4 EE)	Greenville
Black, H. N. (4 Ag En)	Ruffin	Cecil, O. K. (3 Ar En)	Spartanburg
Black, J. B. (4 TM)	Honea Path	Chalker, A. L. (3 ME)	South Orange, N. J.
Black, J. T. (4 VAE)	Leesville	Chalker, D. F. (4 CE)	South Orange, N. J.
Black, R. S. (1 E-ME)	Columbia	Chalmers, C. M. (2 TM)	Greenwood
Blackwell, H. D. (3 Ar En)	Newry	Chalmers, J. W. (3 TM)	Greenwood
Blackwell, J. B. (1 E-Ag En)	Landrum	Chamness, E. (3 Ag En)	Bennettsville
Bland, J. P. (3 A&S)	Johnston	Chamness, W. B. (2 Ar En)	Bennettsville
Blankenship, C. P. (4 Ag Ec)	Fort Mill	Champion, J. C. (4 ME)	Shelby, N. C.
Bloxham, A. W. (3 TC)	Lyman	Chapman, W. R. (3 Pre-Med)	Inman
Blythe, J. W. (3 ME)	Pelzer	Chappell, H. W. (4 TE)	Cartersville, Ga.
Bobo, T. P. (3 EE)	Greenville	Chastain, J. D. (2 VAE)	Taylors
Bodie, A. B. (3 EE)	Greenville	Childers, W. J. (4 TM)	York
Bodie, W. G. (4 EE)	Wagener	Chovan, T. M. (3 EE)	Bethlehem, Pa.
Bonds, R. S. (4 TE)	Georgetown	Christopher, J. A. (1 E-Ag En)	Landrum
Boroni, H. L. (3 A&S)	Brooklyn, N. Y.	Clanton, J. C. (1 Pre-Med)	Charlotte, N. C.
Boshears, J. F. (2 CE)	Tiptonville, Tenn.	Clardy, J. E. (4 VAE)	Wampee
Bost, W. J. (4 EE)	Spartanburg	Clardy, W. W. (3 Arch)	Arlington, Va.
Boston, R. S. (3 ME)	Columbia	Clark, B. D. (4 VAE)	Johnston
Bouknight, J. E. (4 EE)	Newberry	Clark, J. F. (4 TM)	Walhalla
Boulware, M. D. (1 A-AH)*	Anderson	Clark, L. S. (2 A-AH)	Johnston
Bowen, R. A. (1 E-TE)	Belton	Clark, M. A. (1 T-TM)	Hartsville
Bowen, R. R. (2 TE)	Greenville	Clarkin, J. R. (2 Arch)	Charleston
Bower, H. W. (1 E-ME)	Amsterdam, N. Y.	Clayton, L. A. (2 TM)	Greer
Boyd, H. S. (2 TM)	Laurens	Clegg, J. M. (4 Hort)	Ridgeland
Boyd, W. B. (4 ME)	Greenville	Cochran, W. R. (3 Ind Ed)	Seneca
Boykin, J. D. (3 A&S)	Georgetown	Cochran, W. T. (2 TE)	Greenville
Boylston, R. E. (3 TM)	Charleston	Coker, F. T. (4 TM)	Columbia
Brackett, G. D. (3 TE)	Rock Hill	Coleman, A. J. (4 CE)	Saluda
Bradfield, J. W. (3 CE)	Charlotte, N. C.	Collins, W. J. (1 E-TE)	Westminster
Bradford, J. A. (4 TM)	Anderson	Compton, B. O. (4 Ind Ed)	Greenwood
Bradham, F. L. (1 A-Agron)	Sumter	Conn, J. R. (3 TE)	Woodruff
Bradham, L. L. (4 A&S)	Sumter	Connolly, G. W. (3 EE)	Newberry
Brennecke, H. J. (1 E-ME)*	Walhalla	Connor, T. M. (4 Ag En & CE)	Bowman
Bridwell, M. N. (3 TM)	Greenville	Cook, C. C. (4 EE)	Prosperity
Brisendine, R. S. (3 TE)	East Point, Ga.	Cook, L. H. (3 Ind Phys)	Bishopville
Brockman, E. D. (3 Ch En)	Greenville	Cook, W. H. (4 Agron)	Bartow, Fla.
Brogdon, J. T. (1 E-Ag En)	Manning	Cooper, J. W. (4 ME)	Spartanburg
Brooks, J. P. (1 E-ME)	Charleston	Corey, H. S. (3 Ind Phys)	Asheville, N. C.
Brooks, T. F. (3 A&S)	Timmons	Corley, E. J. (3 TE)	Ninety Six
Brown, B. W. (3 ME)	Starr	Corn, J. P. (3 VAE)	Greenville
Brown, C. G. (3 Dairy)	Anderson	Cornwell, M. M. (3 ME)	Fort Myers, Fla.
Brown, C. S. (2 A&S)	Westminster	Cothran, E. E. (2 TM)	Sandy Springs
Brown, F. N. (2 A&S)	Greenville	Cothran, J. B. (3 TM)	Sandy Springs
Brown, W. M. (3 TM)	Greenville	Cothran, O. R. (2 VAE)	Pickens
Bruce, A. C. (4 CE)	Seneca	Courtney, R. O. (2 CE)	Johnston
Brumley, J. E. (2 TM)	Greenville	Cousins, W. R. (3 ME)	Newberry
Brunson, E. M. (4 Arch)	Estill	Cowan, D. E. (3 TM)	Abbeville
Brunson, J. W. (1 A-AH)	Sumter	Cox, A. B. (1 T-TM)	Denmark
Brutcher, C. K. (2 Pre-Med)	Savannah, Ga.	Cox, G. H. (2 EE)	Easley
Bryant, H. O. (1 E-EE)	Liberty	Cox, J. F. (3 TE)	Marion
Buchman, D. I. (4 Ind Phys)	New York, N. Y.	Coyle, H. B. (4 TE)	Gaffney
Bull, J. P. (3 Ag En)	Santee	Crane, W. T. (2 EE)	Savannah, Ga.
Burch, M. B. (1 E-EE)	Florence	Crapse, H. M. (2 ME)	Estill
Busby, A. F. (2 A-Dairy)	Anderson	Crawford, C. M. (4 Chem)	Greenville
Bussey, J. C. (1 E-EE)	Hagood	Crawford, H. O. (4 Ag Ec)	Clemson
Byrd, J. A. (3 TM)	Greenville	Crawford, J. H. (3 Hort)	Clemson
Caldwell, V. B. (4 CE)	Blacksburg	Creech, H. L. (2 A-Dairy & Poul)	Olar
Cameron, F. B. (3 TM)	Greenville	Crenshaw, C. L. (4 Ag Ec)	Pendleton
Campbell, R. D. (4 CE)	Spartanburg	Crosland, L. K. (2 Pre-Med)	Bennettsville
Campbell, Wallace L. (2 TM)	Edgefield	Cross, D. E. (4 EE)	Georgetown
Campbell, William L. (2 TM)	Greenville	Crump, E. L. (2 ME)	Newberry
Canfield, J. F. (3 Ag En)	Greenwood	Cureton, F. M. (2 TM)	Union
Cantrill, J. L. (3 TM)	Fort Mill	Cureton, J. C. (2 TM)	Clemson
Capelle, C. D. (3 EE)	Clemson	Curry, J. M. (2 A-Agron)	Gray Court
Cappeller, J. A. (3 EE)*	Chicago, Ill.	Dalton, A. A. (4 ME)	Seneca
Cappelmann, F. J. (4 EE)	Beaufort	Dalton, J. A. (4 A&S)	Seneca
Carraway, A. J. (4 EE)	Timmons	Dameron, R. M. (1 E-Ch En)	Greenville
Carroll, C. W. (4 EE)	Navy Yard	Daniel, H. G. (3 Ch En)	Charlotte, N. C.
Carter, G. R. (1 E-TE)	Anderson	Daniel, J. D. (3 VAE)	Lake City
Carter, L. D. (4 Dairy)	Ehrhardt	Darlington, S. P. (4 ME)	Mount Pleasant
Carter, W. C. (3 VAE)	Catawba	Davenport, J. A. (2 ME)	Germantown, Tenn.
Cates, J. W. (2 ME)	Seneca	Davenport, R. E. (4 A&S)	Williamston

Name and Course	Address	Name and Course	Address
Davis, C. E. (2 TM)	Greenwood	Farris, W. E. (3 EE)	Rock Hill
Davis, D. L. (2 Chem)	Greer	Fendley, J. E. (3 TM)	Westminster
Davis, E. L. (4 TE)	Pelzer	Fennell, J. E. (3 EE)	Hardeeville
Davis, G. S. (4 TM)	Greenville	Ferguson, T. M. (3 A&S)	York
Davis, H. C. (1 E-EE)	Camden	Fields, L. J. (4 VAE)	Lamar
Davis, J. M. (3 VAE)	Norway	Finklea, G. C. (4 Pre-Med)	Pamplico
Davis, L. R. (3 CE)	Chicago, Ill.	Finley, G. L. (3 EE)	Anderson
Davis, M. V. (3 ME)	Wedgfield	FitzSimons, F. L. (3 Ag En)	Hendersonville, N. C.
Davis, V. G. (4 EE)	Greer	FitzSimons, W. S. (PG Ar En)	Charleston
Davis, W. L. (4 ME)	Easley	Fleisher, B. (1 T-TM)*	Waterbury, Conn.
Deas, V. J. (4 EE)	Rock Hill	Florence, O. G. (3 ME)	Wrens, Ga.
Deason, F. P. (2 TM)	McCormick	Floyd, P. R. (4 CE)	Greenville
Delk, W. S. (1 T-TM)	Greenville	Foard, W. W. (4 ME)	Marion
DeLoach, R. L. (3 ME)	Beaufort	Folk, E. W. (1 E-Ch En)*	Simpsonville
DesChamps, W. P. (4 CE)	Bishopville	Fooshe, W. K. (2 TM)	Hodges
Deviney, W. E. (2 A-Ag Ec)*	Rutherfordton, N. C.	Foster, Harold B. (1 A-Hort)	Chesnee
Devlin, G. M. (3 ME)	Greenwood	Foster, Hugh B. (4 TM)	Spartanburg
Diamond, G. (2 TM)*	Taunton, Mass.	Foster, P. F. (4 TM)	Fountain Inn
Dilfield, R. E. (3 Ar En)	Newport News, Va.	Foster, R. R. (3 VAE)	Chesnee
Dillard, C. R. (4 VAE)	Seneca	Fowler, H. W. (4 TE)	Union
Di Marzo, J. M. (2 CE)	West Orange, N. J.	Fowler, J. W. (4 CE)	Gaffney
Dobson, C. S. (1 E-EE)	Greenville	Fowler, R. D. (3 TM)	Anderson
Dobson, J. W. (3 Agron)	Central	Fowler, W. C. (3 Ar En)	Columbia
Donagan, T. D. (3 A&S)	Woodruff	Fox, W. I. (4 Ch En)	Anderson
Donkie, I. L. (4 TM)	Greenville	Foy, H. B. (3 Arch)	Waynesville, N. C.
Dorn, M. D. (3 EE)	Greenwood	Fraissor, J. (1 E-EE)	Whitmire
Dowis, W. S. (3 Arch)	Spartanburg	Fraser, W. T. (4 TM)	Greenville
Drew, R. M. (4 A&S)	Ridgeland	Frick, C. B. (4 TE)	Clifton
Duckworth, R. J. (3 TM)	Westminster	Frick, W. H. (4 TM)	Newberry
DuCom, E. L. (1 E-ME)	Sumter	Frierson, J. L. (2 A-Hort)	Westminster
Dugan, J. D. (3 ME)	Easley	Frupp, W. E. (3 Ar En)	Florence
Dukes, D. E. (3 Ind Ed)	Orangeburg	Fulmer, J. S. (1 T-TC)	Greenville
Dukes, W. F. (3 Pre-Med)	Branchville	Funchess, M. D. (3 Ag En)	Rowesville
Dunaway, T. W. (4 Chem)	Thomaston, Ga.	Furr, E. F. (2 Pre-Med)	Rock Hill
Duncan, B. A. (2 TM)	Six Mile	Gaddy, J. D. (3 TM)	McColl
Duncan, W. F. (2 Arch)	Greer	Gage, R. (3 TM)	Anderson
Dunlap, H. L. (4 ME)	Rock Hill	Gailey, C. W. (2 TM)	Anderson
Dunn, J. C. (2 TE)	Central	Gaillard, J. W. (2 TM)	Walhalla
Dusenberry, F. C. (3 TM)	Donalds	Gainer, C. E. (3 Ind Ed)	Lancaster
Duval, R. W. (2 Chem)	Cheraw	Gaines, H. P. (3 TM)	Honea Path
Dyer, C. A. (4 TC)	Charleston	Gaines, J. C. (1 E-ME)	Liberty
Earle, E. B. (4 VAE)	Central	Gaines, J. O. (2 A)	Townville
Earle, H. U. (3 TE)	Walhalla	Gaines, J. R. (3 TM)	Liberty
Earnhardt, M. M. (4 Ch En)	Kannapolis, N. C.	Gaines, W. A. (4 ME)	Central
Eason, H. L. (1 A-AH)	Sumter	Gambrell, C. B. (4 ME)	Birmingham, Ala.
Easterby, H. A. (1 E-EE)	Charleston	Gambrell, H. L. (2 TM)	Pendleton
Eberhart, H. C. (3 ME)	Anderson	Garren, C. H. (2 TM)	Calhoun, Ga.
Edney, E. P. (3 Ar En)	Charleston	Garrett, J. L. (4 TM)	Belton
Edwards, D. C. (4 ME)	Fountain Inn	Garrett, J. P. (3 A&S)	Greenville
Edwards, L. L. (3 Ag En)	Marion	Garrison, E. W. (1 T-TM)	Sandy Springs
Elliott, W. H. (2 A-AH)	Summerville	Garvin, P. M. (4 Ag En)	Greenwood
Ellison, R. C. (3 TC)	Lancaster	Gatlin, K. A. (2 A&S)	Newberry
Ellison, W. R. (2 EE)	Anderson	Gaulden, D. H. (4 CE)	Rock Hill
Elmore, G. F. (3 Hort)	Greer	Geddings, S. B. (4 EE)	Wedgfield
Emerson, J. H. (3 TC)	Atlanta, Ga.	Genet, G. T. P. (2 TM)	Georgetown
Enloe, W. P. (4 TM)	Roanoke, Ala.	Gentry, T. H. (3 VAE)	Summerton
Epps, S. (4 TM)	Port Mill	Gerrald, J. E. (1 Pre-Med)	Galivants Ferry
Epting, J. F. (3 EE)	Charleston	Gerritsen, B. H. (3 Chem)	Anderson
Erkes, G. R. (4 TM)	Rock Hill	Ghant, W. B. (1 Pre-Med)	Lancaster
Ervin, S. F. (2 A)	Florence	Gibbons, L. W. (3 VAE)	Turbeville
Eskridge, K. C. (2 Pre-Med)	Cheraw	Giddings, M. E. (3 CE)	Greenwood
Eskridge, W. (3 CE)	Cheraw	Gill, W. P. (4 TM)	Rock Hill
Estes, B. G. (1 T-TC)	Ware Shoals	Gillespie, J. F. (2 CE)	Montgomery, Ala.
Estes, S. R. (2 A-Hort)	Greenville	Gilliam, J. W. (4 AH)	Abbeville
Eubanks, L. (4 TM)	Graniteville	Gilmore, W. F. (3 Ind Ed)	Santuck
Eubanks, W. S. (2 A)	Blackville	Ginn, J. W. (3 AH)	Charleston
Evans, J. R. (3 ME)	Anderson	Ginter, W. C. (4 EE)	Charlotte, N. C.
Evans, W. C. (2 TM)	Clemson	Glenn, C. H. (4 TE)	Greer
Eve, P. F. (2 EE)	Beaufort	Godwin, C. V. (4 CE)	Sumter
Faile, B. M. (3 VAE)	Kershaw	Godwin, W. Y. (4 Ag En)	Summerton
Fairey, T. B. (3 EE)	Orangeburg	Goff, A. L. (3 VAE)	Saluda
Fanning, M. H. (3 VAE)	Newberry	Gooch, F. M. (2 Ar En)	Spartanburg
Farah, C. E. (4 Ind Ed)	Whitmire	Goodman, J. S. (4 CE)	Clemson

Name and Course	Address	Name and Course	Address
Gordon, J. W. (4 EE)	Willard, Ohio	Helms, W. E. (2 Ar En)	Molino, Fla.
Goudelock, W. J. (3 Pre-Med)	Catechee	Hemminger, J. M. (4 A&S)	Willington
Graham, W. H. (3 VAE)	Anderson	Hendrix, R. C. (4 TE)	Greenville
Gramling, C. S. (3 EE)	Orangeburg	Heniford, D. O. (2 Ag En)	Loris
Green, E. H. (3 VAE)	Dyersburg, Tenn.	Henke, R. A. (2 ME)	Rye, N. Y.
Green, F. H. (3 EE)	Griffin, Ga.	Herber, H. H. (4 ME)	Bethlehem, Pa.
Green, H. T. (1 T-TM)	Manning	Herbert, A. M. (3 ME)	Piedmont
Green, J. W. (4 VAE)	Turbeville	Herd, L. O. (3 TM)	Piedmont
Greer, F. (2 ME)	Duncan	Heyd, R. L. (3 EE)	New York, N. Y.
Greer, J. M. (1 VAE)	Westminster	Hickerson, J. G. (4 A&S)	Greensboro, N. C.
Gregory, J. T. (3 A&S)	Union	Hicks, J. F. (4 Ag En)	York
Gregory, W. C. (4 Arch)	Chesnee	Hildebrand, E. J. (2 ME)	Washington, D. C.
Gressette, W. C. (2 TM)	Florence	Hill, C. E. (1 T-TM)	Greenville
Griggs, G. W. (3 TM)	Society Hill	Hill, J. D. (3 ME)	Sanford, N. C.
Grist, W. L. (2 TM)	York	Hilton, A. W. (2 VAE)	Kershaw
Grubbs, R. J. (2 CE)	Westminster	Hindman, C. C. (4 EE)	Greenville
Gulledge, C. N. (4 VAE)	Mount Croghan	Hinson, J. F. (1 E-ME)	Lynchburg
Gulledge, J. M. (3 AH)	Callison	Hiott, C. E. (4 Agron)	Round O
Gwinn, W. R. (4 CE)	Roebuck	Hodge, C. R. (3 Ent)	Alcolu
Haddon, C. J. (3 TM)	Abbeville	Hodges, G. L. (4 TM)	Anderson
Haddon, F. M. (1 T-TM)	Anderson	Hodges, W. A. (2 A&S)	Mullins
Haddon, H. A. (1 E-TE)	Rock Hill	Hoffmann, R. C. (2 TM)*	Greenville
Hadcock, H. S. (1 Arch)	McCormick	Hoffmann, R. M. (3 Pre-Med)	Fountain Inn
Hagins, L. E. (1 Arch)	Lancaster	Hogan, C. S. (3 EE)	North Augusta
Hall, J. M. (1 A-Agron)	Camden	Holcombe, C. W. (3 TE)	Greenville
Hall, R. A. (4 VAE)	Camden	Holcombe, W. G. (4 ME)	Greenville
Hall, S. E. (2 EE)	Turtletown, Tenn.	Holder, R. (3 Hort)	Union
Hall, T. C. (2 VAE)	Mount Ulla, N. C.	Holladay, C. H. (3 Ind Ed)	Sumter
Haltiwanger, W. L. (PG Agron)	Little Mountain	Holland, G. H. (3 AH)	Fountain Inn
Hamilton, J. E. (2 CE)	Graniteville	Hollenbeak, H. A. (4 ME)	Greenville
Hamilton, L. C. (3 Hort)	Easley	Hollingsworth, J. C. (4 VAE)	Troy
Hammett, J. M. (3 Ag En)	Gaffney	Hollis, C. E. (2 TM)	Central
Hammett, L. R. (4 Ag En)	Gaffney	Hollis, N. M. (3 TM)	Rock Hill
Hammett, R. H. (4 TM)	Walhalla	Honeycutt, R. G. (2 TC)	Marion, N. C.
Hammond, A. F. (3 EE)	Florence	Hood, R. W. (3 EE)	Greenville
Hammond, J. C. (3 VAE)	Aiken	Horton, E. M. (3 ME)	Spartanburg
Hamrick, R. Y. (3 TE)	Boiling Springs, N. C.	Howard, A. M. (3 ME)	Greenville
Hancock, A. B. (2 TM)	Ruby	Howard, C. C. (3 VAE)	Pickens
Hancock, Harold (1 VAE)	Ruby	Howard, H. E. (1 E-ME)	Charleston
Hancock, Harris (1 VAE)	Ruby	Howell, C. C. (4 A&S)	Troy, N. C.
Hancock, R. B. (4 Ent)	Ruby	Howell, J. I. (2 Pre-Med)	Spartanburg
Hannah, G. R. (2 A-AH)	Columbia	Hucks, C. B. (3 EE)	Savannah, Ga.
Hannvey, R. E. (4 Ag En)	McCormick	Hucks, E. (3 VAE)	Aynor
Harden, M. L. (2 TM)	Walhalla	Hudson, D. J. (3 Ar En)	Greenville
Hardin, F. L. (3 A&S)	Chester	Hudson, P. B. (3 TM)	West Union
Hardwick, J. H. (2 VAE)	Conway	Hudson, R. W. (3 EE)	Sumter
Hare, J. F. (1 E-ME)*	Lake Wales, Fla.	Huffman, S. J. (1 E-EE)	Charleston
Hargrove, R. C. (4 Ind Ed)	Mount Olive, N. C.	Hughes, R. A. (2 EE)	Hartsville
Harley, J. P. (2 A-Hort)	Trenton	Huiet, G. E. (4 Ar En & Hort)	Trenton
Harper, J. M. (3 CE)	Greenville	Hull, P. D. (4 Ind Ed)	Westminster
Harrellson, M. W. (4 ME)	Georgetown	Humphries, W. B. (4 A&S)	Gaffney
Harrill, B. H. (3 ME)	Bennettsville	Hunnicut, J. A. (4 Ar En)	Greenville
Harris, M. D. (4 ME)	Camden	Hunnicut, W. C. (1 T-TM)	Anderson
Harrison, A. C. (3 TM)	Spartanburg	Hunt, S. P. (4 VAE)	Fountain Inn
Harrison, J. A. (2 ME)	Clemson	Hunter, J. E. (4 EE)	Columbia
Harrison, J. P. (3 TE)	Troy	Hunter, J. T. (4 A&S)	Marion
Harrison, M. M. (3 VAE)	Pelzer	Hunter, W. H. (4 Pre-Med)	Greenville
Hart, E. C. (1 VAE)	Darlington	Hurley, R. C. (2 TM)	Greenville
Hart, F. M. (3 VAE)	Union	Hutchings, J. M. (4 EE)	Norwood, Ohio
Hart, J. C. (3 Dairy)	Greenville	Iler, H. B. (4 TE)	Greenville
Hart, J. D. (3 EE)	Kelton	Imershein, R. E. (4 ME)	Woodmere, N. Y.
Hart, R. M. (3 ME)	Tournaipull, Ga.	Inabinet, J. W. (4 Arch)	Bowman
Harter, R. L. (1 VAE)	Fairfax	Ingram, C. H. (4 ME)	Hartsville
Hasek, W. J. J. (2 Chem)	Carteret, N. J.	Irwin, W. R. (3 ME)	Spartanburg
Haselden, F. O. (3 Ag En)	Scranton	Ivester, J. R. (4 Pre-Med)	Walhalla
Hawthorne, R. F. (4 TE)	Due West	Ivey, S. A. (4 A&S)	Downers Grove, Ill.
Hayes, R. F. (4 TE)	Chester	Ix, F. W. (4 TM)	Charlottesville, Va.
Haynes, G. C. (3 CE)	Cliffside, N. C.	Ix, J. A. (2 TM)	Charlottesville, Va.
Haynie, H. A. (3 TM)	Anderson	Jack, G. B. (2 ME)	South Salem, N. Y.
Head, C. M. (3 CE)	Greenville	Jackson, J. M. (3 ME)	Rock Hill
Healan, R. W. (3 CE)	Rock Hill	Jackson, J. P. (4 Agron)	Sumter
Hedgepath, H. D. (2 Ar En)	Columbia	Jackson, R. S. (3 VAE)	Manning
Helms, J. C. (2 VAE)*	Marshville, N. C.	Jacques, J. R. (4 Ind Phys)	Ware Shoals
		James, J. J. (3 TM)	Pendleton

Name and Course	Address	Name and Course	Address
James, L. W. (4 Agron)	Anderson	Laughlin, R. C. (3 TM)	Florence
Jameson, D. M. (4 Ag En)	Greenville	Lawson, R. W. (2 TM)	Union
Jeffords, C. R. (1 E-ME)	Atlanta, Ga.	Lay, J. F. (2 ME)	Central
Jeffords, L. G. (3 Ag En)	Timmons ville	Lay, J. R. (4 Ag En)	Westminster
Jeffords, T. H. (1 A-Agron)	Florence	Leach, P. J. (3 TM)	Abbeville
Jeffords, W. I. (4 EE)	Florence	League, F. M. (4 TM)	Easley
Jenkins, D. M. (4 EE)	Union	Lee, E. W. (3 Dairy)	Landrum
Jenkins, L. M. (3 Ch En)	Kline	Lee, H. E. (3 EE)	Hampton, Va.
Jenkins, M. C. (3 Agron)	Allendale	Lee, J. A. (4 Arch)	Greenwood
Jenkins, W. H. (4 Agron)	Kline	Lee, W. A. (3 CE)	Elberton, Ga.
Jester, A. H. (4 EE)	Greenwood	Lemmon, O. C. (1 Ar En)	Latta
Johnson, C. L. (2 Arch)	Sumter	Leslie, G. S. (4 CE)	Newberry
Johnson, D. L. (4 VAE)	Windsor	Lever, M. D. (2 A-AH)	McConnellsville
Johnson, H. J. (1 E-EE)	Darlington	Lewis, J. O. (3 A&S)	Marion
Johnson, J. A. (3 TM)	Warrenville	Lewis, L. L. (4 VAE)	Leesville
Johnson, J. E. (2 ME)	Reidsville, N. C.	Lewis, V. E. (4 Arch)	Spartanburg
Johnson, J. R. (4 TM)	Greenville	Lide, C. B. (4 GS)	Marion
Johnson, R. A. (4 ME)	Pelzer	Liebenrood, G. H. (2 A-AH)	Mount Pleasant
Jones, C. R. (SG ME)	Ashton	Ligon, H. B. (2 Pre-Med)	Iva
Jones, D. C. (4 CE)	Barnwell	Lindsay, J. B. (3 Arch)	Clemson
Jones, D. M. (1 A-Agron)	Glenn Springs	Lindsay, R. J. (1 T-TM)	Clemson
Jones, E. D. (2 TM)	Greer	Lindstedt, G. W. (2 A&S)	Holly Hill
Jones, E. H. (3 Ind Ed)	Great Falls	Link, J. B. (1 E-ME)	McCormick
Jones, F. K. (4 TE)	Newberry	Liston, J. W. (1 A&S)	Smocks
Jones, G. R. (2 Pre-Med)	Buffalo	Little, L. W. (3 VAE)	Newberry
Jones, O. B. (3 EE)	Greenville	Littlejohn, J. N. (1 A-Hort)*	Sumter
Jones, T. O. (2 TE)	Newberry	Locke, J. D. (3 CE)	Taylors
Josey, W. E. (3 TE)	Anderson	Loftis, C. E. (2 Ind Ed)	Pickens
Joye, R. L. (4 Agron)	Lamar	Lollis, H. E. (4 ME)	Greenville
Joyner, R. S. (4 VAE)	Ward	Long, T. J. (4 ME)	McColl
Justice, W. G. (1 E-ME)	Spartanburg	Longshore, H. F. (2 Ag En)	Newberry
Karst, W. B. (2 ME)*	Greenville	Lund, S. (4 Agron)	Exeland, Wis.
Kay, F. F. (3 Ar En)	Charlotte, N. C.	Lyles, J. F. (4 Hort)	Winnsboro
Keasler, B. M. (3 TC)	Westminster	Lynn, H. P. (3 Ag En)	Clemson
Kelly, C. R. (3 Arch)	Charleston	Lynn, W. W. (2 A-Agron)	Filbert
Kelly, Z. K. (3 TM)	Pelzer	Lyons, J. A. (4 VAE)	Edgefield
Kelsey, W. B. (3 TC)	Chester	Lytle, B. E. (4 ME)	Fort Mill
Kennedy, H. R. (4 TM)	Union	Lytle, D. G. (3 EE)	New York, N. Y.
Kennemore, C. M. (3 A&S)	Easley	Lytle, T. E. (4 Ag Ec)	Anderson
Kennette, G. L. (1 T-TM)	Wellford	McAlister, M. F. (4 TM)	Abbeville
Kilgo, R. A. (4 Ar En)	Laurens	McCall, B. G. (3 Pre-Med)	Ellerbe, N. C.
Kimman, J. W. (4 TM)	Fredericksburg, Va.	McCall, H. E. (1 A-AH)	Hendersonville, N. C.
Kinard, J. A. (3 EE)	North Charleston	McCas skill, M. J. (1 A-Agron)	Bethune
King, E. L. (3 AH)	Chesterfield	McClain, W. F. (3 ME)	Honea Path
King, I. D. (3 CE)	Gray Court	McClamroch, W. C. (3 Arch)	Pascagoula, Miss.
King, J. H. (3 Pre-Med)	Loris	McConnell, F. M. (3 Ag Ec)	Seneca
King, L. O. (1 Ar En)	Anderson	McConnell, J. E. (2 A-AH)	Seneca
Kitchen, A. B. (4 ME)	Augusta, Ga.	McCoy, B. J. (3 CE)	Greenville
Kizer, L. E. (2 A-Agron)	Florence	McCoy, D. W. (3 TM)	Lynchburg, Va.
Knight, E. L. (3 Ag Ec)	Andrews	McDaniel, B. F. (3 ME)	Pickens
Knight, J. C. (2 EE)	Summerville	McDaniel, V. G. (4 Ind Ed)	Bennettsville
Knight, L. A. (2 TM)	Greenville	McElveen, C. D. (3 AH)	Columbia
Koehler, K. B. (4 Arch)	Louisville, Ky.	McGill, J. N. (3 CE)	Anderson
Koopman, J. E. (4 TE)	Spartanburg	McInnis, L. A. (S)	Clio
Lacey, J. R. (3 VAE)	Ravenel	McKay, D. B. (4 EE)	Winnsboro
Lachicotte, W. F. (2 A-AH)	Pawleys Island	McKay, W. (4 Dairy)	Hendersonville, N. C.
Lake, W. H. (4 ME)	Walhalla	McKinney, H. E. (3 EE)	Greenville
Lamar, L. H. (3 ME)	Augusta, Ga.	McKinney, R. Bowen (2 EE)	Charleston
Lancaster, F. L. (3 ME)	Port Royal	McKinney, R. Briscoe (1 T-TM)	Pickens
Landgraf, L. P. (4 CE)	Panama, City, Fla.	McLaurin, J. F. (3 Pre-Med)	Bennettsville
Laney, J. W. (4 Agron)	Bennettsville	McMillan, C. M. (4 Ag En)	Mullins
Lanford, R. F. (4 CE)	Woodruff	McNair, S. M. (1 F-Ag En)	Hartsville
Langford, J. W. (4 A&S)	Ridgeland	McRae, D. D. (4 A&S)	Florence
Langford, T. H. (2 Ed)	Savannah, Ga.	McSwain, W. E. (3 TM)	York
Langley, J. F. (2 Ar En)	Conway	Mack, J. H. (2 Arch)	Garnett
Langston, C. E. (4 VAE)	Timmons ville	Mack, T. E. (3 TM)	Union
Langston, C. L. (2 TM)	Darlington	Mack, W. C. (1 E-ME)	Garnett
Langston, S. C. (2 A&S)	Florence	Mackenzie, M. B. (3 Arch)	Charleston
Lark, H. J. (3 EE)	Easley	Maddox, H. M. (3 A&S)	Easley
Lark, R. E. (2 TM)*	Pickens	Major, C. A. (4 Hort)	Greenwood
Latham, W. F. (3 TM)	Iva	Mandanis, G. P. (4 EE)	Spartanburg
Lathan, C. H. (3 VAE)	Lowrys	Marks, G. M. (2 ME)	Greenville
Latto, E. S. (4 ME)	Charleston	Martin, C. B. (3 TM)	Greenville
Laughlin, G. W. (3 EE)	Florence		

Name and Course	Address	Name and Course	Address
Martin, C. H. (3 ME)	Aiken	Ouzts, J. E. (4 EE)	Callison
Martin, C. W. (1 E-EE)	Belton	Owen, B. E. (3 Ind Ed)	Orangeburg
Martin, E. H. (3 AH)	Conway	Owen, R. R. (2 Ed)	Naval Base
Martin, T. A. (4 CE)	Griffin, Ga.	Parker, C. Y. (2 Arch)	Cruger, Miss.
Mason, F. G. (3 A&S)	Mullins	Parker, H. M. (3 CE)	Sumter
Mason, G. E. (3 VAE)	Westminster	Parnell, D. E. (2 Ch En)	Anderson
Massey, T. A. (2 TM)	Walhalla	Parnell, J. S. (1 T-TC)	Ware Shoals
Mathias, W. L. (3 TC)	Lexington	Parsons, B. W. (2 ME)	Rock Hill
Mathews, W. D. (2 A&S)	Manning	Pate, H. R. (4 VAE)	Cassatt
Maxfield, B. G. (2 A-AH)	Hodges	Patrick, W. M. (4 A&S)	Ruffin
May, E. B. (4 TM)	Asheville, N. C.	Patterson, C. C. (2 TM)	Clemson
May, J. D. (4 TE)	Ware Shoals	Patterson, M. B. (4 TM)	Laurens
Mayson, J. M. (2 VAE)	McCormick	Patterson, N. W. (4 AH)	Saluda
Meadows, H. F. (3 Agron)	Woodruff	Pavia, J. F. (2 EE)	New Brunswick, N. J.
Meeks, C. D. (PG ME)	Anderson	Payne, R. T. (4 EE)	Charlotte, N. C.
Melnik, W. G. (2 Ar En)	Brooklyn, N. Y.	Pearson, W. D. (4 Ag En)	Woodruff
Melton, T. C. (4 VAE)	Chesterfield	Pepper, H. C. (4 AH)	Easley
Merck, E. W. (4 CE)	Central	Perkins, D. B. (3 EE)	Savannah, Ga.
Mereditth, J. R. (1 VAE)	Townville	Person, R. L. (4 EE)	Greensboro, N. C.
Merriitt, J. W. (4 ME)	Greenville	Peters, A. H. (3 Ch En)	Summerville
Metts, W. C. (2 VAE)	Brookings, S. Dak.	Pettigrew, J. E. (4 Dairy)	Iva
Michael, M. G. (1 T-TC)	Linwood, N. C.	Pettigrew, J. W. (4 VAE)	Edgefield
Mickle, H. L. (3 TM)	Rock Hill	Pickens, J. P. (4 VAE)	Madison
Mickle, P. C. (4 TE)	Rock Hill	Pickens, W. P. (3 Pre-Med)	Easley
Millen, R. M. (4 EE)	Richburg	Pinson, C. B. (4 A&S)	Greenwood
Miller, B. M. (2 Ind Ed)	Liberty	Pinson, J. R. (G Ed)	Greenville
Miller, C. L. (2 TM)	Greenville	Pinson, J. T. (2 ME)	Anderson
Miller, J. R. (4 VAE)	Erwin, Tenn.	Pitts, J. H. (3 Agron)	Clinton
Mims, T. V. (3 TM)	Talladega, Ala.	Player, C. B. (4 Agron)	Bishopville
Mintz, W. H. (3 Ch En)	Fort Lawn	Plunkett, R. W. (S TM)	Clemson
Mitchell, W. B. (3 A&S)	Charlotte, N. C.	Poole, M. V. (4 ME)	Ware Shoals
Mitchum, B. W. (3 VAE)	Smoaks	Poole, T. B. (2 TM)	Clemson
Mixon, L. C. (2 TM)	Aiken	Porcher, F. P. (4 EE)	Charleston
Moisson, G. M. (4 TC)	Greenville	Porter, V. C. (3 VAE)	Williston
Moisson, W. C. (3 CE)	Greenville	Porter, W. M. (4 ME)	Charlotte, N. C.
Montgomery, H. R. (4 Agron)	Woodruff	Potter, A. W. (3 CE)	Spartanburg
Montgomery, R. R. (4 Agron)	Woodruff	Price, J. L. (2 A-Hort)	Gaffney
Montone, N. A. (3 EE)	Westminster	Price, J. T. (4 CE)	Starr
Monts, D. D. (1 A-Agron)	Millen, Ga.	Prince, E. W. (2 VAE)	Gurley
Monts, R. M. (4 ME)	Millen, Ga.	Province, P. J. (4 Ch En)	Chattanooga, Tenn.
Moon, A. B. (3 CE)	Columbus, Ga.	Pruitt, J. R. (3 TM)	Anderson
Moore, R. T. (3 VAE)	Piedmont	Puckett, L. O. (4 TM)	Charlotte, N. C.
Moore, U. B. (3 TM)	La France	Pulkinen, C. S. (3 A&S)	Charleston
Moore, W. H. (4 A&S)	Sandy Springs	Quinn, E. W. (2 Ag En)	Spartanburg
Morgan, H. E. (2 ME)	Salisbury, N. C.	Ragsdale, J. W. (4 A&S)	Blair
Morgan, L. V. (4 Ind Ed)	Albemarle, N. C.	Rainsford, T. H. (3 Dairy)	Edgefield
Morgan, M. L. (2 A-Agron)	Oakboro, N. C.	Rallings, E. M. (4 VAE)	Pageland
Morris, L. S. (4 Agron)	Olar	Rash, M. C. (3 Pre-Med)	Lockhart
Moss, E. M. (4 Ind Ed)	Seneca	Rauch, R. J. (3 CE)	Rock Hill
Mosteller, G. W. (3 Ind Ed)	Greer	Ravenel, J. J. (4 Pre-Med)	Charleston
Mozingo, G. W. (4 TE)	Rock Hill	Ravenel, W. F. (4 ME)	Sanford, Fla.
Muckenfuss, A. A. (1 E-EE)	Florence	Rawls, C. H. (3 TE)	Rock Hill
Mull, M. D. (1 A-Hort)	Anderson	Reames, D. L. (4 Ind Ed)	Bishopville
Mullinnix, G. A. (1 T-TM)	Greenville	Reames, J. G. (4 Agron)	Bishopville
Murphree, J. E. (4 VAE)	West Union	Reed, B. D. (1 E-Ag En)	North
Neal, J. L. (3 TC)	Fort Mill	Reeder, W. T. (2 EE)	Laurens
Neeley, B. B. (3 Ar En)	Columbia	Reid, H. W. (2 ME)	Piedmont
Nelson, P. A. (3 Pre-Med)	Fountain Inn	Reid, J. R. (4 ME)	Sumter
Neves, J. A. (3 VAE)	Taylors	Reynolds, J. T. (2 A&S)	Johnstown, Pa.
Newton, D. T. (2 Ind Ed)	Central	Reynolds, P. G. (2 Ar En)	Sumter
Nipper, F. J. (3 TM)	Lowell, N. C.	Rhine, E. H. (4 A&S)	Clemson
Nolte, F. E. (1 E-EE)	Charleston	Rhine, F. L. (3 TM)	Gastonia, N. C.
Norris, G. F. (4 Ind Phys)	Greer	Rice, M. A. (3 Ar En)	Florence
Norris, W. M. (4 Ag En)	Vance	Rice, R. J. (4 TM)	Anderson
Norton, J. P. (3 TE)	Pickens	Richardson, F. M. (3 TM)	Greenville
Norton, R. E. (3 Ar En)	Florence	Richardson, J. B. (S)*	Clemson
Norwood, R. E. (4 ME)	Greenwood	Richbourg, J. B. (3 Pre-Med)	Union
Nowell, J. G. (1 E-EE)	Charleston	Riddle, H. J. (3 Arch)	Charleston
Nowell, V. H. (3 Ar En)	Savannah, Ga.	Ridgill, J. L. (4 CE)	Manning
Nuckols, J. N. (1 T-TM)	Westminster	Riley, F. S. (4 ME)	Hilton Village, Va.
O'Neal, C. A. (1 Pre-Med)	Blenheim	Riser, C. W. (3 TC)	Columbia
O'Neal, F. G. (4 VAE)	Fairfax	Ritter, M. W. (2 ME)	Hickory, N. C.
Onley, W. O. (2 ME)	Columbia	Rivers, J. D. (4 CE)	Chesterfield
Outz, M. (1 A-Ag Ec)	Fair Play	Roberts, D. E. (1 VAE)	Chester

Name and Course	Address	Name and Course	Address
Roberts, E. W. (3 TE)	Ninety Six	Skelton, C. (3 TM)	Anderson
Robertson, W. B. (3 Ch En)	Hagerstown, Md.	Skinner, P. B. (4 TE)	Ware Shoals
Robinson, J. M. (4 CE)	Rembert	Sloan, P. H. (4 A&S)	Walhalla
Robinson, L. H. (4 Ind Phys)	Greenville	Smith, C. B. (2 Arch)	Gaffney
Robison, C. (4 TM)	Asheville, N. C.	Smith, H. C. (4 EE)	Spartanburg
Rochester, D. E. (3 ME)	Walhalla	Smith, H. E. (3 TM)	Dover, N. C.
Rochester, J. R. (2 EE)	Greenville	Smith, I. (4 VAE)	Pickens
Rochester, R. M. (4 EE)	Walhalla	Smith, K. (3 EE)	Duncan
Rochester, W. F. (4 EE)	Walhalla	Smith, K. B. (2 A&S)	Savannah, Ga.
Rodgers, J. H. (4 Hort)	Charleston	Smith, L. B. (3 Agron)	Mullins
Rodgers, J. S. (PG)	Charleston	Smith, M. C. (4 VAE)	Dudley, Ga.
Rogers, Ralph L. (2 EE)	Charleston	Smith, R. E. (3 ME)	Seneca
Rogers, Robert L. (2 TM)	Pelzer	Smithwick, M. A. (4 A&S)	Chester
Rogers, T. L. (2 Ag En)	Sumter	Smithwick, W. A. (4 Dairy)	Chester
Rollison, J. A. (4 CE)	Atlanta, Ga.	Snell, A. W. (4 Ag En)	Elloree
Ross, J. G. (4 EE)	Newberry	Snipes, H. L. (4 VAE)	Marion
Ross, J. W. (2 A-Hort)	Greer	Snipes, J. R. (4 TM)	Greenwood
Royals, D. O. (3 Pre-Med)	Conway	Snipes, J. W. (3 A&S)	Marion
Russo, M. E. (3 CE)	New York, N. Y.	Snoddy, S. T. (3 Arch)	Rockingham, N. C.
Rutledge, W. T. (3 TC)	Greenville	Snyder, P. (1 E-CE)	Spruce Pine, N. C.
Sadler, M. H. R. (4 Arch)	Rock Hill	Sofge, J. F. (2 ME)	Graniteville
Saline, M. H. (2 Arch)	Charlotte, N. C.	Sojourner, D. C. (4 ME)	St. George
Salley, N. R. (3 Agron)	Salley	Sosa, D. (4 ME)	Clemson
Salley, W. B. (4 A&S)	Orangeburg	Sowell, M. B. (2 VAE)	Elloree
Salter, H. D. (4 CE)	Walterboro	Sox, H. W. (1 T-TM)	West Columbia
Sample, M. B. (3 Ch En)	Greenwood	Sparks, E. G. (3 TM)	Gaffney
Sanders, C. B. (2 EE)	Anderson	Spearman, J. E. (4 TC)	Chattanooga, Tenn.
Sanders, G. S. (3 Ar En)	Bamberg	Stallworth, W. H. (3 TM)	Spartanburg
Sanders, L. H. (3 Agron)	Union	Stamey, J. M. (3 Ag En)	Hartwell, Ga.
Sanders, R. W. (3 Ag En)	Kline	Starnes, W. H. (3 AH)	Salley
Sanderson, J. L. (1 A-AH)	Dillon	Steady, W. M. (2 A-Agron)	Bamberg
Sapp, E. F. (3 Ind Phys)*	Albany, Ga.	Stegall, H. (1 E-EE)	Pendleton
Sargent, F. H. (3 TM)	Spartanburg	Stehmeyer, E. H. (4 EE)	Charleston
Saylors, A. E. (3 TM)	Ninety Six	Stephens, J. H. (1 T-TM)	Greenville
Schrader, E. D. (3 TM)	Spartanburg	Stevens, J. E. (3 TE)	Spartanburg
Scott, J. H. (1 E-EE)	Honea Path	Stevens, J. P. (4 VAE)	Conway
Scott, W. W. (4 ME)	Holly Hill	Stevens, J. T. (3 EE)	Washington, D. C.
Scurry, W. H. (4 ME)	Edgefield	Stewart, C. B. (4 ME)	Chevy Chase, Md.
Seaborn, D. K. (4 TC)	Walhalla	Stewart, T. D. (4 Ar En)	Greenville
Seaborn, G. B. (3 EE)	Central	Stewart, W. K. (4 ME)	Savannah, Ga.
Seaborn, G. W. (3 VAE)	Walhalla	Stone, J. D. (3 TM)	Rock Hill
Sears, W. B. (3 TM)	Clemson	Stradley, C. D. (4 TM)	Greenville
Seay, E. P. (4 CE)	Charleston	Strickland, C. H. (2 A-Dairy)	Oakboro, N. C.
Seddon, F. (4 Ag Ec)	Boston, Mass.	Stroman, J. L. (3 TM)	Orangeburg
Self, R. C. (4 TM)	Greenville	Stroud, D. D. (3 ME)	Lyman
Selfridge, H. R. (2 A&S)	Lakeville, Conn.	Stroud, H. D. (2 Ag En)	Richland
Sellers, C. L. (3 VAE)	Mount Croghan	Strug, J. P. (3 EE)	Union
Senn, C. J. (4 Dairy)	Columbia	Stuck, K. E. (4 Ag Ec)	Pomaria
Senn, J. C. (4 EE)	Spartanburg	Stuck, W. M. (PG VAE)	Pomaria
Severance, C. E. (4 Ag En)	Darlington	Stuckey, J. F. (2 EE)	Hartsville
Sharpe, J. C. (4 Ag En)	Rock Hill	Suddeth, J. A. (S)	Clinton
Sharpe, M. C. (4 ME)	Abbeville	Sullivan, M. W. (4 Agron)	Laurens
Shaw, R. E. (1 T-TM)	Seneca	Summey, J. C. (1 T-TM)	Clemson
Shealy, L. H. (4 CE)	Batesburg	Swygert, H. B. (3 ME)	Greenville
Shealy, W. L. (4 AH)	Gilbert	Tarrant, W. B. (2 EE)*	Columbia
Shelley, L. B. (4 Agron)	Mullins	Tarver, W. B. (4 Chem)	Savannah, Ga.
Shelton, G. F. (2 Ind Ed)	Navy Yard	Taylor, B. E. (3 TM)	Greer
Sherard, S. (1 E-ME)	Toccoa, Ga.	Taylor, C. C. (3 Ag Ec)	Greenville
Sherer, L. D. (4 CE)	Greenville	Taylor, E. L. (2 ME)	Lexington
Sheridan, W. M. (4 ME)	Spartanburg	Taylor, G. H. (3 Hort)	Gilbert
Shirley, D. C. (1 E-EE)	Orangeburg	Taylor, R. F. (2 VAE)	Gilbert
Shirley, J. H. (1 E-EE)	Gaffney	TeBow, J. R. (3 Ind Phys)*	Augusta, Ga.
Shoolbred, A. W. (4 CE)	Columbia	Tedder, J. B. (2 EE)	Cherryville, N. C.
Shorter, W. S. (2 Arch)	Manning	Terry, A. M. (2 EE)	Iva
Shuler, J. B. (4 GS)	McClellanville	Tewkesbury, A. M. (4 CE)	Aiken
Shuler, N. E. (2 Ag En)	Rembert	Thomas, R. T. (3 Arch)	Houston, Tex.
Sightler, C. W. (3 TM)	Greenville	Thompson, G. A. (3 ME)	Sumter
Simpson, D. E. (2 ME)	South Charleston, W. Va.	Thompson, J. D. (4 EE)	Greenville
		Thompson, O. N. (3 A&S)	Columbia
Simpson, D. N. (3 CE)	Anderson	Thorne, W. C. (3 EE)	Sumter
Simpson, E. P. (4 EE)	Greenville	Thrallkill, W. E. (4 EE)	Saluda
Simpson, J. I. (3 Ar En)	Piedmont	Till, H. G. (2 EE)	Orangeburg
Sistrunk, R. W. (4 TM)	Decatur, Ga.	Timmerman, D. S. (3 EE)	Augusta, Ga.
Sites, N. R. (3 AH)	White Rock	Timmons, J. K. (4 CE)	Piedmont

Name and Course	Address	Name and Course	Address
Timms, S. M. (3 TE) -----	Anderson	Welch, W. L. (2 ME) -----	Georgetown
Tinsley, E. S. (1 E-TE) -----	Hodges	West, W. E. (4 ME) -----	Greenville
Tinsley, J. A. (2 Ind Ed) -----	Fort Mill	Whall, R. F. (PG Ch En) ---	San Juan, P. R.
Todd, J. N. (3 ME) -----	Washington, D. C.	Whitaker, R. L. (3 TE) -----	Union
Todd, L. O. (3 TE) -----	Fairfax	White, L. G. (2 ME) -----	Gaffney
Todd, R. M. (3 TM) -----	Anderson	White, L. W. (4 Ed) -----	Easley
Tommie, W. J. (1 Pre-Med) -----	Mountville	White, P. J. (3 TM) -----	Greenville
Toney, C. C. (3 TM) -----	Richland	White, R. M. (4 ME) -----	Sumter
Townsend, L. M. (4 CE) ---	Pisgah Forest, N. C.	White, R. W. (4 EE) -----	Greenwood
Townsend, R. E. (4 TM) -----	Laurens	White, T. E. (2 Chem) -----	Anderson
Traylor, M. H. (4 CE) -----	Ridgeway	Whitmire, J. B. (2 VAE) -----	Griffin, Ga.
Traylor, W. R. (4 Ent) -----	Ridgeway	Whitten, D. L. (1 T-TM)* -----	Pell City, Ala.
Truesdale, G. G. (3 VAE) -----	Spencer, N. C.	Wilkes, L. H. (4 Ag En) -----	Winnboro
Trumpore, A. S. (4 EE) -----	Beaufort	Willard, C. D. (4 ME) -----	Whitmire
Turner, A. N. (2 A&S) -----	Reidsville, N. C.	Williams, B. B. (4 TE) -----	Daisy, Tenn.
Turner, H. E. (2 Ar En) -----	Greenville	Williams, C. F. (3 EE) -----	Orangeburg
Turner, J. T. (3 EE) -----	Winnboro	Williams, H. H. (4 TM) -----	Orangeburg
Turner, J. W. (4 ME) -----	Albany, Ga.	Williams, J. W. (3 ME) -----	Spartanburg
Turner, T. J. (S) -----	Clemson	Williams, L. E. (1 Ar En) -----	Toccoa, Ga.
Tyson, S. E. (4 Ag En) -----	Strother	Williams, L. P. (4 EE) -----	North Augusta
Uldrick, J. P. (2 CE) -----	Donalds	Williams, R. R. (4 VAE) -----	Swansea
Van Hook, E. (2 Ch En)* -----	Atlanta, Ga.	Williams, Y. E. (PG VAE) -----	Salley
Varn, H. W. (2 CE) -----	Walterboro	Williamson, M. L. (1 T-TM) -----	Whitmire
Varner, J. F. (1 T-TM) -----	Ashland, Ga.	Willimon, C. P. (3 Poul) -----	Greenville
Varner, J. R. (1 T-TM) -----	Buffalo	Willis, S. M. (2 TM) -----	Greenwood
Vehorn, B. L. (2 ME) -----	Boston, Mass.	Wilson, C. W. (3 Ag En) -----	Landrum
Vermillion, R. J. (3 VAE) -----	Ware Shoals	Wilson, J. (4 TC) -----	Anderson
Vickery, A. V. (3 ME) -----	Hartwell, Ga.	Wilson, J. C. (2 EE) -----	Greenville
Vinson, J. L. (3 TM)* -----	Union	Wilson, J. K. (2 A&S) -----	Wellford
Volk, L. R. (4 TM) -----	Long Island, N. Y.	Wilson, M. C. (3 CE) -----	Darlington
Von Kaenel, J. C. (2 ME)* -----	Monroe, Wis.	Wilson, R. G. (1 E-EE) -----	Greenwood
Wade, R. W. (2 ME)* -----	Greenville	Wilson, W. F. (3 CE) -----	Greensboro, N. C.
Walker, H. O. (2 Ar En) -----	Union	Winburn, W. C. (2 VAE) -----	Hartsville
Walker, J. T. (3 VAE) -----	Manning	Windsor, W. D. (2 TM) -----	Pell City, Ala.
Walser, J. F. (3 TE) -----	Salisbury, N. C.	Wingate, W. H. (4 Ch En) --	Fairhaven, Mass.
Walters, D. M. (1 E-CE) -----	Salisbury, N. C.	Wise, K. C. (2 TM) -----	Prosperity
Walton, G. T. (3 A&S) -----	Belton	Withington, J. M. (3 TC) -----	Greenville
Wannamaker, W. F. (4 ME) -----	Columbia	Wolfe, G. A. (2 VAE) -----	Inman
Ward, A. G. (4 TM) -----	Greenville	Wood, A. W. (4 Ar En) -----	Greenville
Ward, T. (2 Ch En) -----	McClellanville	Wood, W. A. (4 A&S) -----	Greenwood
Ware, W. T. (3 CE) -----	Iva	Wood, W. H. (4 ME) -----	Gray Court
Warner, C. K. (PG Ar En) --	Louisville, Ky.	Woodcock, F. E. (3 Ag Ec) -----	Pelzer
Warren, T. A. (2 A-AH) -----	Prosperity	Woolen, C. L. (2 ME) -----	Atlanta, Ga.
Waters, J. D. (2 TM) -----	Johnston	Worley, S. (4 Agron) -----	Windsor
Watson, A. I. (3 EE) -----	Greenville	Worth, H. P. (1 E-TE)* -----	Greenville
Watson, A. W. (2 CE) -----	Easley	Worthy, H. R. (3 ME) -----	Lockhart
Weaver, C. (PG) -----	Timmons ville	Wright, G. C. (4 EE) -----	Seneca
Webb, C. (4 CE) -----	Beaufort	Wright, H. G. (3 EE) -----	Shelton
Webb, E. W. (1 T-TM) -----	Marion	Wylie, W. O. (2 TM) -----	Chester
Webb, F. T. (2 A&S) -----	Union	Yarbrough, D. R. (3 TM) -----	York
Webb, R. L. (4 CE) -----	Virginia Beach, Va.	Yeargin, G. A. (3 Arch) -----	Anderson
Webster, J. O. (4 Ag En) -----	Loris	Young, E. R. (3 TM) -----	Honea Path
Weeks, P. H. (1 E-CE) -----	Aiken	Young, S. P. (3 Ag En) -----	Dalzell
Weeks, T. J. (3 ME) -----	Charleston	Young, S. R. (1 E-Ag En)* -----	Sumter
Weinheimer, C. A. (2 ME) -----	Charleston		

NUMBER OF STUDENTS MAJORING IN EACH CURRICULUM  
1948 SUMMER TERM

Classification	Agriculture	Agricultural Engineering	Pre-Forestry	Arts and Sciences	General Science	Industrial Physics	Pre-Medicine	Chemistry	Architectural Engineering	Architecture	Chemical Engineering	Chemistry-Engineering	Civil Engineering
Senior -----	41	19	0	23	2	5	5	3	5	7	5	34	43
Junior -----	32	16	0	19	0	4	13	1	15	11	7	24	45
Sophomore -----	29	6	0	12	0	0	10	5	9	8	4	11	20
Freshman -----	16	6	0	2	0	0	5	0	3	3	3	3	18
Postgraduate -----													
Graduate -----													
Special Graduate -----													
Special -----													
Total -----	118	47	0	56	2	9	33	9	32	29	19	72	126

Classification	Electrical Engineering	Mechanical Engineering	Textile Chemistry and Dyeing	Textile Engineering	Textile Manufacturing	Vocational Agricultural Education	Education	Industrial Education	Postgraduate	Graduate	Special	Enrollment by Classes
Senior -----	51	6	20	42	31	1	11					354
Junior -----	40	11	23	73	31	0	8					373
Sophomore -----	31	1	3	47	14	2	5					217
Freshman -----	15	4	6	24	7	0	0					115
Postgraduate -----								12				12
Graduate -----									1			1
Special Graduate -----										1		1
Special -----											7	7
Total -----	137	22	52	186	83	3	24	12	1	1	7	1080

## ENROLLMENT BY COUNTIES AND STATES

1948 SUMMER TERM

<i>County</i>	<i>Total</i>	<i>State or Country</i>	<i>Total</i>
Abbeville -----	13	Alabama -----	7
Aiken -----	18	California -----	1
Allendale -----	4	Connecticut -----	3
Anderson -----	79	Costa Rica -----	1
Bamberg -----	6	Cuba -----	1
Barnwell -----	7	District of Columbia -----	3
Beaufort -----	9	Florida -----	9
Berkeley -----	1	Georgia -----	41
Calhoun -----	0	Illinois -----	4
Charleston -----	46	Kentucky -----	3
Cherokee -----	11	Maryland -----	2
Chester -----	11	Massachusetts -----	3
Chesterfield -----	14	Mississippi -----	2
Clarendon -----	12	New Jersey -----	6
Colleton -----	9	New York -----	10
Darlington -----	16	North Carolina -----	53
Dillon -----	2	Ohio -----	2
Dorchester -----	7	Pennsylvania -----	4
Edgefield -----	11	Puerto Rico -----	1
Fairfield -----	13	South Carolina -----	902
Florence -----	23	South Dakota -----	1
Georgetown -----	9	Tennessee -----	8
Greenville -----	111	Texas -----	1
Greenwood -----	41	Virginia -----	9
Hampton -----	5	West Virginia -----	1
Horry -----	14	Wisconsin -----	2
Jasper -----	3		
Kershaw -----	5	Grand Total -----	1080
Lancaster -----	9		
Laurens -----	18		
Lee -----	10		
Lexington -----	10		
Marion -----	11		
Marlboro -----	6		
McCormick -----	13		
Newberry -----	27		
Oconee -----	58		
Orangeburg -----	21		
Pickens -----	44		
Richland -----	22		
Saluda -----	6		
Spartanburg -----	62		
Sumter -----	26		
Union -----	19		
Williamsburg -----	1		
York -----	39		
South Carolina Total -----	902		

## LIST OF STUDENTS, FIRST SEMESTER, 1948-1949

The names are arranged in alphabetical order and following the names are symbols indicating classes and courses. The classification of undergraduates is indicated by numerals as follows: 1—Freshman, 2—Sophomore, 3—Junior, 4—Senior.

The abbreviations following the numerals refer to the student's major course: A-Agriculture (unclassified as to major course), Ag Ec-Agricultural Economics, Agron-Agronomy, AH-Animal Husbandry, Bot-Botany, Dairy-Dairy, Ent-Entomology, Hort-Horticulture, Poul-Poultry, Ag En-Agricultural Engineering, Pre-For-Pre-Forestry; A&S-Arts and Sciences, GS-General Science, Ind Phys-Industrial Physics, Pre-Med-Pre-Medicine; Chem-Chemistry; E-Engineering (unclassified as to major course, but the abbreviation following the "E" indicates a preliminary choice of major course), Arch-Architecture, Ar En-Architectural Engineering, Ch En-Chemical Engineering, Ch-En-Chemistry-Engineering, CE-Civil Engineering, EE-Electrical Engineering, ME-Mechanical Engineering; T-Textiles (unclassified as to major course, but the abbreviation following the "T" indicates a preliminary choice of major course), TC-Textile Chemistry, TE-Textile Engineering, TM-Textile Manufacturing; VAE-Vocational Agricultural Education, Ed-Education, Ind Ed-Industrial Education.

New students admitted in September, 1948, are indicated by an asterisk (\*).

Name and Course	Address	Name and Course	Address
Abercrombie, H. O. (3 ME)	Central	Allen, C. R. (4 Ag En)	Latta
Ables, J. R. (2 VAE)	Westminster	Allen, G. A. (4 Agron)	Franklin, Tenn.
Abrams, A. E. (3 TM)	Ware Shoals	Allen, H. W. (1 A&S)	Clio
Ackerman, C. L. (2 ME)	St. George	Allen, J. L. (1 E-Ag En)	Clio
Ackerman, R. E. (4 Pre-Med)	Moncks Corner	Allen, L. D. (3 EE)	Savannah, Ga.
Ackerman, W. N. (4 ME)	Moncks Corner	Allen, O. L. (4 CE)	Walhalla
Adams, B. R. (3 TM)	Anderson	Allen, R. L. (4 ME)	Greenville
Adams, F. W. (1 T-TM)	Laurens	Allen, W. W. (2 A-Agron)	Spartanburg
Adams, G. L. (3 ME)	Spartanburg	Allison, H. G. (2 TM)	Gaffney
Adams, I. J. (2 A-AH)	Kershaw	Allison, J. D. (1 VAE)*	Pauline
Adams, J. H. (4 CE)	Greenville	Allison, R. F. (1 T-TM)*	Swannanoa, N. C.
Adams, L. C. (S)	Clemson	Altman, A. C. (3 Agron)	Galivants Ferry
Adams, L. G. (4 Ind Phys)	Seneca	Ameen, W. O. (3 Ar En)	Winnsboro
Adams, T. R. (1 A-AH)*	Timmons ville	Amick, W. A. (1 T-TM)	Rock Hill
Adams, W. A. (1 A&S)	North Charleston	Ammons, J. B. (1 E-Ag En)	Hartsville
Adams, W. L. (1 T-TM)	Kershaw	Anderson, C. P. (4 TM)	Lexington, N. C.
Adams, W. S. (3 A&S)	Clemson	Anderson, C. W. (1 T-TM)	Summerville
Addis, L. G. (3 TM)	Walhalla	Anderson, G. B. (2 Pre-Med)	Chester
Addison, J. K. (4 EE)	Cottageville	Anderson, J. R. (3 TM)	Elmhurst, Ill.
Addy, N. W. (1 T-TC)*	Lexington	Anderson, L. P. (4 Agron)	Nichols
Adickes, H. F. (3 Pre-Med)	York	Anderson, M. H. (4 TM)	Greenville
Aguilar, J. E. (3 TM)	Alajuela, C. R.	Anderson, R. L. (1 A&S)*	Clemson
Aichele, J. H. (4 Hort)	Charleston	Anderson, S. G. (1 Pre-Med)*	Glen Rock, N. J.
Aigner, J. J. (2 TM)*	Conshohocken, Pa.	Anderson, T. H. (2 TC)	Columbia
Aiken, C. B. (3 CE)	Pickens	Anderson, V. E. (1 E-CE)*	Georgetown
Aiken, D. A. (3 TM)	Winnsboro	Anderson, W. D. (2 EE)	Greensboro, N. C.
Aiken, F. J. (2 TM)	Greenville	Andrea, F. W. (3 CE)	Greer
Aiken, F. V. (2 TM)	Bath	Andrews, L. V. (3 TM)	Cedartown, Ga.
Aiken, M. (3 EE)	Nimmons	Andrews, W. P. (2 ME)	Greenville
Aimar, N. V. (2 Pre-Med)	Beaufort	Andrews, W. T. (2 ME)	Greenville
Akers, D. J. (3 Hort)	Carrollton, Ky.	Arant, H. B. (3 Pre-Med)	Orangeburg
Aldous, G. C. (2 EE)	Naval Base	Archer, C. L. (3 A&S)	Anderson
Aldrich, R. B. (1 Chem)*	Charleston	Ard, J. H. (S)*	Clemson
Alexander, B. M. (2 TM)	Lyman	Ard, J. W. (3 VAE)	Hemingway
Alexander, J. F. (4 Ag Ec)	Anderson	Armstrong, L. W. (4 TC)	Charleston
Alexander, J. K. (2 Pre-Med)	Bishopville	Arndt, O. G. (2 Ar En)	Orangeburg
Alexander, J. M. (1 E-CE)*	Westminster	Arnette, W. J. (3 TM)	Winnsboro
Alexander, M. C. (2 Chem)	Walhalla	Arnold, B. R. (1 Pre-Med)	Greenville
Alexander, M. W. (1 A-Agron)	Westminster	Arnold, T. L. (2 EE)	Woodruff
Alexander, W. Ray (3 VAE)	Bishopville	Arnold, T. R. (2 Arch)	Anderson
Alexander, W. Richardson (3 TM)	Alken	Arnts, G. W. (3 CE)	North Tonawanda, N. Y.
Allaband, W. A. (1 E-CE)*	Spartanburg	Aronson, A. A. (S)*	Raleigh, N. C.
Allen, C. G. (3 Ag En)	Latta	Arrington, J. D. (3 Ag En)	Ninety Six

Name and Course	Address
Arthur, H. T. (3 A&S)	Bristol, Tenn.
Arve, J. E. (1 Pre-Med)	Cumberland, Md.
Asbelle, C. T. (1 Arch)*	Clearwater
Asbury, R. R. (2 TE)	Taylor
Ash, E. R. (3 ME)	Greenville
Asher, D. L. (1 E-ME)*	Orlando, Fla.
Ashley, G. H. (4 TE)	Ware Shoals
Ashley, J. (4 Agron)	Ellenton
Ashley, R. H. (2 TM)	Iva
Ashley, W. E. (4 TM)	Donalds
Ashley, W. M. (4 TM)	Anderson
Ashley, W. T. (3 Pre-Med)	Pikeville, Ky.
Ashmore, J. P. (4 CE)	Greenville
Ashmore, R. C. (3 Pre-Med)	Greenville
Ashton, J. P. (1 E-TE)*	Philadelphia, Pa.
Asnip, G. (3 TE)	Greenville
Atkins, W. G. (3 TM)	Anderson
Atkins, W. R. (2 A-Ag Ec)	Hamer
Atkinson, C. W. (1 T-TM)	Chester
Atkinson, F. W. (3 Ag En)	Augusta, Ga.
Atkinson, W. D. (4 AH)	Mullins
Attaway, H. H. (1 E-ME)	North Charleston
Attaway, J. M. (2 Pre-Med)	Beaufort
Aughtry, J. E. (2 TM)	Lyman
Auld, I. D. (1 VAE)	Mount Pleasant
Austin, J. G. (1 T-TM)	Rock Hill
Austin, J. N. (4 ME)	Laurens
Aycock, E. R. (3 TM)	Greenville
Babb, K. B. (1 Ed)*	Portsmouth, Va.
Baggott, B. H. (3 ME)	Columbia
Bagwell, C. E. (4 EE)	Spartanburg
Bagwell, H. B. (3 ME)	Spartanburg
Bailey, B. D. (4 EE)	Heath Springs
Bailey, C. K. (1 E-TE)	Lockhart
Bailey, G. T. (3 TE)	Greenville
Bailey, R. B. (S)	Columbia
Bailey, T. W. (3 CE)	Summerville
Bailey, W. P. (3 A&S)	Greenwood
Bain, O. L. (2 TM)	Greenwood
Baird, R. L. (4 Agron)	Darlington
Baker, E. R. (3 ME)	Great Falls
Baker, G. H. (3 Agron)	Cades
Baker, J. L. (1 T-TM)	Bath
Baker, O. E. (2 A-AH)	Nichols
Baker, P. E. (PG TM)	Whitmire
Baker, R. W. (1 T-TM)*	Pageland
Baldwin, C. M. (2 A-AH)	Georgetown
Baldwin, J. D. (3 Ag En)	Greenwood
Baldwin, O. S. (1 E-ME)	Charleston
Baldwin, W. E. (2 Chem)	Spartanburg
Ball, S. E. (3 TM)	Greenville
Ball, W. L. (4 EE)	Laurens
Ballenger, R. D. (2 TM)	Charlotte, N. C.
Ballenger, S. B. (3 TM)	Charlotte, N. C.
Ballenger, S. H. (S)*	Walhalla
Ballentine, J. R. (1 E-ME)	Anderson
Ballentine, W. W. (3 Ag En)	Blythewood
Ballew, C. B. (3 Ed)	Liberty
Ballew, W. C. (4 TM)	Easley
Ballinger, W. H. (2 TM)	Atlanta, Ga.
Balloch, J. (3 TM)	Travelers Rest
Bandy, C. W. (1 Ar En)	Bath
Banister, R. A. (S)	Clemson
Bankhead, T. E. (3 VAE)	Sharon
Banks, A. J. (3 EE)	St. Matthews
Banks, D. H. (4 A&S)	St. Matthews
Banks, E. R. (4 CE)	Savannah, Ga.
Banks, J. J. (4 Ch En)	Augusta, Ga.
Barber, B. P. (3 ME)	Columbia
Barbot, D. C. (2 EE)	Florence
Bare, G. (1 A&S)	Starr
Barfield, D. A. (4 VAE)	Kershaw
Barfield, W. M. (3 AH)	Sumter
Barker, H. V. (3 CE)	Seneca
Barker, J. A. (2 ME)	Allendale

Name and Course	Address
Barker, R. E. (2 A-Hort)	Conway
Barker, V. R. (2 A-Agron)	Allendale
Barksdale, W. H. (2 VAE)	Gray Court
Barnes, D. E. (3 Ind Phys)	Brevard, N. C.
Barnes, G. T. (4 A&S)	Savannah, Ga.
Barnes, R. E. (3 TM)	Rutherfordton, N. C.
Barnes, W. E. (4 TM)	Newberry
Barnett, E. W. (3 TM)	Great Falls
Barnett, J. E. (4 Pre-Med)	Marietta
Barnett, J. T. (1 Arch)*	Memphis, Tenn.
Barnett, W. C. N. (2 VAE)	Greer
Barnwell, C. S. (4 TE)	Macon, Ga.
Barr, W. H. (2 EE)	Rion
Barrett, C. M. (4 TC)	Lancaster
Barrett, G. M. (2 TM)*	Atlanta, Ga.
Barrett, R. F. (3 TM)	Greenwood
Barrineau, E. R. (2 Ag En)	Lake City
Barrow, J. O. (2 TM)	North Augusta
Bartlett, F. O. (2 Ch En)	Spartanburg
Barton, E. B. (4 EE)	Winnboro
Barton, F. W. (3 Hort)	Aiken
Barton, J. T. (2 A&S)	Greer
Barton, T. E. (1 T-TM)*	Lancaster
Bass, T. C. (2 Arch)	Greenville
Bates, B. L. (3 CE)	Spartanburg
Bates, C. L. (1 Ar En)*	Charlotte, N. C.
Bates, E. (4 TM)	Rock Hill
Bates, E. L. (1 A-Dairy)	Neeses
Bates, L. L. (2 EE)	Greenville
Bates, S. W. (2 EE)	Naval Base
Batson, H. E. (2 TM)	Greenville
Batson, H. G. (1 T-TM)	Laurens
Baxley, D. C. (4 Pre-Med)	Kershaw
Beach, M. C. (3 Chem)	Walterboro
Beach, R. L. (1 E-CE)*	Walterboro
Beall, J. H. (1 E-EE)*	Chicago, Ill.
Beam, D. G. (2 CE)	Spartanburg
Bearden, H. J. (3 TM)	Cliffside, N. C.
Bearer, J. K. (1 A-AH)*	Clemson
Bearrs, W. C. (2 EE)*	Columbus, Ga.
Beatty, C. H. (3 EE)	Dunbarton
Beaty, F. E. (4 ME)	Charleston
Beaty, J. K. (1 A-Agron)	Florence
Bedenbaugh, P. H. (4 VAE)	Leesville
Beeks, J. R. (2 ME)	Greenville
Behling, R. B. (2 EE)	St. George
Bell, C. C. (2 A-Ag Ec)	Marion
Bell, G. E. (2 VAE)	Cordova
Bell, G. M. (3 Ar En)	Anderson
Bell, J. D. (3 TE)	Naval Base
Bell, J. E. (4 ME)	Orangeburg
Bell, J. P. (3 TM)	North Augusta
Bell, L. J. (3 Ag Ec)	Wampee
Bell, R. (4 Ag En)	Hartsville
Bell, R. Sidney (1 Ar En)	Anderson
Bell, R. Stokes (1 A-Dairy)	Jefferson
Bell, W. E. (1 Pre-For)	Orlando, Fla.
Bellamy, C. S. (1 T-TM)	Bamberg
Bellamy, O. H. (4 EE)	Florence
Benfield, P. L. (3 Ag En)	York
Bennett, R. J. (1 T-TM)	Union
Benton, O. F. (3 TM)	Eufaula, Ala.
Benton, P. L. (1 A)	Timmonsville
Berger, K. (3 Ar En)	Baltimore, Md.
Berly, J. C. (4 EE)	Pomaria
Bernhard, R. (1 E-Ch En)*	Brooklyn, N. Y.
Berry, E. B. (S)	Anderson
Berry, J. B. (4 EE)	Dunwoody, Ga.
Berry, J. M. (2 A-Dairy)	Pelzer
Berry, J. N. (4 Pre-Med)	Dunwoody, Ga.
Berry, R. W. (3 Chem & Ind Phys)	Atlanta, Ga.
Berry, W. E. (2 A-Agron)	Elloree
Berry, W. W. (2 A&S)	Greenville
Besson, W. T. (3 A&S)	North Augusta

Name and Course	Address	Name and Course	Address
Bethel, W. P. (2 TM)*	Charlotte, N. C.	Bowen, R. R. (3 TE)	Greenville
Bettis, F. A. (3 Ar En)	Greenville	Bowen, W. K. (3 EE)	Piedmont
Beyer, F. W. (S)	Clemson	Bower, H. W. (2 ME)	Amsterdam, N. Y.
Bevis, J. H. (3 TE)	Charleston	Bowers, G. W. (3 EE)	Central
Bianchi, C. A. (4 Ind Ed)	Blythewood	Bowers, J. H. (2 Pre-Med)	West Union
Binnicker, M. (2 VAE)	Norway	Bowman, A. K. (1 E-CE)*	Sumter
Biser, H. H. (3 Ag En)	Columbia	Boyd, G. M. (3 ME)	Spartanburg
Bisher, E. P. (4 Ch En)	Kingston, Pa.	Boyd, H. S. (3 TM)	Laurens
Bishop, B. A. (1 E-ME)*	Cedar Mountain, N. C.	Boyd, J. H. (1 E-ME)*	York
Bishop, B. C. (3 EE)	Greenwood	Boyd, P. A. (2 A-Ag Ec)	Loris
Bishop, G. J. (1 Arch)*	Savannah, Ga.	Boyd, R. P. (2 TE)*	Charlotte, N. C.
Bishop, J. C. (4 Hort)	Frogmore	Boyd, W. B. (4 ME)	Greenville
Bishop, M. B. (3 TM)	Landrum	Boyd, W. L. (2 CE)	York
Bissell, A. A. (2 TE)*	Spartanburg	Boykin, H. D. (2 Arch)	Boykin
Black, B. R. (1 T-TM)	Union	Boykin, J. D. (3 A&S)	Georgetown
Black, E. W. (4 Chem)	Barnwell	Boykin, T. O. (2 Ind Ed)	Camden
Black, H. N. (4 Ag En)	Ruffin	Boykin, T. R. (2 ME)	McColl
Black, J. A. (3 TM)	York	Boykin, W. B. S. (2 A-Agron)	Boykin
Black, J. B. (4 TM)	Honea Path	Boyle, C. R. (1 Arch)	Columbia
Black, J. M. (3 TM)	Anderson	Boyles, J. C. (4 CE)	Savannah, Ga.
Black, O. B. (1 T-TM)*	Grover, N. C.	Boylston, R. E. (4 TM)	Charleston
Black, R. S. (1 E-ME)	Columbia	Bozard, J. L. (3 Pre-Med)	Orangeburg
Blackwelder, H. V. (2 Arch)	Clinton	Bozard, W. D. (2 TM)*	Silverstreet
Blackwell, H. D. (4 Arch)	Newry	Brackett, G. D. (3 TE)	Rock Hill
Blackwell, J. H. (3 TM)	Marion	Brackett, N. C. (4 A&S)	Pickens
Blair, G. W. (2 EE)	Savannah, Ga.	Bradbury, D. P. (1 T-TM)*	Orangeburg
Blanchett, D. O. (4 Ch En)	Greenville	Bradbury, D. W. (S)	Clemson
Bland, H. E. (2 Ag En)	Gaffney	Bradfield, J. W. (3 CE)	Charlotte, N. C.
Bland, J. P. (3 A&S)	Johnston	Bradford, J. A. (4 TM)	Anderson
Blankenship, C. P. (4 Ag Ec)	Fort Mill	Bradham, F. L. (1 A-Agron)	Sumter
Blankenship, H. L. (2 EE)*	Erwin, Tenn.	Bradham, P. C. (2 Arch)*	Sumter
Blocker, D. D. (3 Hort)	Walterboro	Bradley, C. G. (2 CE)*	Forest City, N. C.
Bloxham, A. W. (3 TC)	Lyman	Bradley, R. A. (4 TM)	Greenville
Bloxham, H. C. (2 TM)	Lyman	Branham, R. A. (1 Ind Phys)*	Atlanta, Ga.
Blyth, E. K. (1 E-EE)	Charleston	Brannen, J. E. (3 AH)	Register, Ga.
Blythe, J. W. (3 ME)	Pelzer	Brasington, W. W. (1 E-ME)	Darlington
Bobo, E. F. (1 A&S)	Anderson	Brawley, J. T. (4 TM)	Chester
Bobo, T. P. (3 TE)	Greenville	Bray, J. T. (2 TM)	Greenville
Bodie, A. B. (3 EE)	Greenville	Brennecke, H. J. (2 ME)	Walhalla
Bodie, W. G. (4 EE)	Wagener	Brenner, W. R. (3 Ar En)	Jamaica, N. Y.
Bodle, W. J. (1 E-ME)*	Anderson	Bretstein, D. (1 T-TM)	New York, N. Y.
Boggs, C. D. (4 VAE)	Seneca	Bridgeman, J. L. (1 T-TM)*	Whitney
Boggs, R. H. (3 TC)	Anderson	Bridges, R. A. (2 TM)*	Joanna
Bousseneault, K. B. (1 E-ME)	Naval Base	Bridwell, M. N. (4 TM)	Greenville
Bolick, R. A. (4 TM)	Brookford, N. C.	Bright, H. E. (3 TM)	Radford, Va.
Boliek, W. P. (4 EE)	Central	Bright, M. (4 A&S)	Lyman
Boliver, T. E. (4 A&S)	Columbia	Brinkley, J. A. (1 Chem)	Signal Mountain, Tenn.
Bolt, R. S. (1 E-ME)	Gray Court	Brinson, A. D. (2 Ind Phys)	Wilmington, N. C.
Bolt, W. F. (4 CE)	Anderson	Brinson, H. E. (2 CE)*	Savannah Beach, Ga.
Bomar, L. J. (1 T-TM)	Spartanburg	Brisendine, R. S. (4 TE)	East Point, Ga.
Bomar, L. S. (2 Ch En)	Greenville	Britton, R. R. (1 Ind Ed)	Chester
Bonds, R. S. (4 TE)	Georgetown	Britton, W. B. (4 EE)	Columbia
Bonnoitt, E. L. (4 EE)	Florence	Broadway, J. R. (3 Ag En)	Summerton
Boone, C. F. (1 T-TM)*	Orangeburg	Broadwell, E. T. (4 TM)	Sumter
Booth, L. P. (3 Agron)	Sumter	Broadwell, R. L. (1 E-TE)*	Anderson
Boozer, E. W. (1 A-AH)*	Leesville	Brook, D. C., Jr. (2 A&S)	Clemson
Boozer, H. S. (3 CE)	Denmark	Brook, D. C., Sr. (S)	Clemson
Boozer, R. L. (1 VAE)*	Lone Star	Brook, J. G. (3 TM)	Whitmire
Boroni, H. L. (3 A&S)	Brooklyn, N. Y.	Brook, O. D. (1 T-TM)	Whitmire
Bosdell, F. A. (4 TM)	Greenwood	Brockman, E. D. (3 Ch En)	Greenville
Boshears, J. F. (2 A&S)	Tiptonville, Tenn.	Brockmann, H. E. (3 TM)	Charlotte, N. C.
Boston, R. S. (3 ME)	Columbia	Brodie, B. M. (3 AH)	Aiken
Boswell, D. F. (2 ME)	Manning	Brogdon, J. T. (1 A-Agron)	Manning
Bouchard, R. H. (3 Ch En)	Aiken	Brook, J. M. (1 T-TM)*	Lawrence, N. Y.
Bouknight, J. E. (4 EE)	Newberry	Brooks, J. P. (1 E-ME)	Charleston
Bouware, M. D. (2 A-AH)	Anderson	Brooks, J. T. (1 Arch)	Fountain Inn
Bourne, C. R. (2 A&S)	Georgetown	Brooks, T. F. (3 A&S)	Timmonsville
Bowen, D. B. (3 EE)	Pickens	Brown, B. W. (4 ME)	Starr
Bowen, J. H. (3 Hort)	Westminster	Brown, C. E. (1 E-TE)*	Greenville
Bowen, R. A. (1 E-TE)	Belton	Brown, C. L. (4 Hort)	Anderson
Bowen, R. E. (2 ME)	Greenville	Brown, C. M. (3 Agron)	Oswego
Bowen, R. H. (3 A&S)	Greenville	Brown, D. C. (2 EE)	Greenville
Bowen, R. L. (1 T-TM)	Central	Brown, E. G. (2 EE)	Iva
Bowen, R. N. (2 CE)	Chesnee		

Name and Course	Address	Name and Course	Address
Brown, E. R. (2 A-Ag Ec)	Iva	Cameron, F. B. (4 TM)	Greenville
Brown, F. N. (2 A&S)	Greenville	Cameron, J. T. (3 TM)	Chester
Brown, George W. (3 A&S)	Darlington	Campbell, B. C. (1 E-EE)	Greenville
Brown, Grover W. (4 Ag En)	Hickory Grove	Campbell, J. B. (2 EE)*	Inman
Brown, H. D. (1 E-ME)*	Augusta, Ga.	Campbell, R. D. (4 CE)	Spartanburg
Brown, J. A. (4 Ch-En)	Greenville	Campbell, S. E. (PG)	Arlington, Va.
Brown, J. M. (4 A&S)	Mountain Rest	Campbell, Wallace L. (2 TM)	Edgefield
Brown, J. R. (1 E-TE)	Union	Campbell, William L. (2 TM)	Greenville
Brown, R. C. (3 AH)	Spartanburg	Canfield, J. F. (3 Ag En)	Greenwood
Brown, R. M. (2 A-Agron)	Iva	Cannon, C. B. (4 EE)	Laurens
Brown, R. S. (2 TM)	Clemson	Cannon, J. G. (1 T-TC)*	Clemson
Brown, W. J. (3 A&S)	Walhalla	Cannon, L. R. (3 A&S)	Anderson
Brown, W. L. (4 AH)	York	Cannon, M. P. (4 TM)	Greenville
Brown, W. M. (4 TM)	Greenville	Cantrell, J. L. (3 TM)	Fort Mill
Bruce, A. C. (4 CE)	Seneca	Capelle, C. D. (4 EE)	Clemson
Bruce, L. L. (2 A&S)	Erwin, Tenn.	Cappeller, J. A. (4 EE)	Chicago, Ill.
Brumley, J. E. (3 TM)	Greenville	Cappelmann, F. J. (4 EE)	Beaufort
Bruner, G. E. (S)	Clemson	Carden, L. D. (1 E-TE)*	Chickamauga, Ga.
Brunson, E. M. (4 Arch)	Estill	Carlisle, J. S. (1 E-TE)*	Spartanburg
Brunson, J. W. (1 A-AH)	Sumter	Carlson, P. G. (3 TM)	North Augusta
Brunson, M. O. (2 Chem)	Estill	Carlton, C. M. (1 E-ME)	Anderson
Brunson, R. F. (2 CE)	Ridgeand	Carmichael, C. F. (1 VAE)	Fork
Brunson, W. E. (2 ME)	Sumter	Carmichael, K. S. (1 T-TM)	Lynchburg
Brutcher, C. K. (2 Pre-Med)	Savannah, Ga.	Carmichael, W. L. (1 A)*	Madison, Ga.
Bryan, W. J. (3 AH)	Walterboro	Carothers, J. F. (1 T-TC)	Rock Hill
Bryant, E. R. (2 VAE)	Pacolet	Carpenter, W. E. (1 E-ME)*	Graniteville
Bryant, H. O. (1 T-TM)	Liberty	Carr, J. G. K. (2 Ar En)	Myrtle Beach
Bryant, I. W. (3 TM)	Inman	Carr, W. B. (2 ME)	Laurens
Bryant, J. E. (1 T)*	Savannah, Ga.	Carr, W. G. (2 Ch En)	Union
Bryson, J. W. (1 E-EE)	Lyman	Carraway, A. J. (4 EE)	Timmons ville
Bryson, T. J. (2 A)	Mountville	Carroll, C. R. (3 A&S)	Blackville
Buchanan, J. W. (1 E-TE)	Newberry	Carroll, C. W. (4 EE)	Naval Base
Buchanan, K. H. (3 TE)	Anderson	Carroll, E. R. (1 Arch)*	Spartanburg
Buchanan, W. J. (1 A-Hort)*	West Columbia	Carroll, J. H. (3 TE)	Anderson
Buchman, D. I. (4 Ind Phys)	New York, N. Y.	Carroll, R. C. (1 Pre-Med)*	Florence
Buck, C. E. (4 ME)	Greenville	Carson, C. E. (3 TM)	Union
Buck, H. S. (3 TC)	Edgemoor	Carson, L. A. (4 TM)	Orangeburg
Buckles, C. D. (1 A)*	Salters	Carson, R. G. (S)	Clemson
Buist, S. J. (2 Pre-Med)	Blackville	Carter, C. A. (1 E-ME)*	Rock Hill
Bull, J. P. (4 Ag En)	Santee	Carter, E. C. (3 Ch En)	Lamar
Bultman, P. H. (4 Arch)	Sumter	Carter, E. W. (1 T-TM)	Columbia
Bundy, J. G. (3 CE)	Bennettsville	Carter, G. R. (1 T-TM)	Anderson
Bunger, A. W. (2 ME)	Savannah, Ga.	Carter, J. H. (3 A&S)	Georgetown
Burch, A. B. (2 EE)	Florence	Carter, J. R. (3 EE)	Greenville
Burdette, F. D. (1 E-ME)	Simpsonville	Carter, S. T. (2 EE)	Columbia
Burdette, H. Y. (4 A&S)	Charleston	Carter, T. (3 TC)	Langley
Burdette, J. S. (3 CE)	Greenville	Carter, W. C. (3 VAE)	Catawba
Burgess, H. A. (1 E-ME)	Whitmire	Carter, W. G. (2 Ch En)	Greenville
Burley, D. H. (1 E-Ch En)*	Clemson	Carver, A. B. (3 EE)	Greenville
Burnett, W. C. (3 TM)	Johnston	Carwile, J. P. (3 TM)	Abbeville
Burnett, W. E. (2 TM)	Greelyville	Case, G. F. (1 T-TM)	Catechee
Burton, C. J. (1 E-ME)	Westminster	Cash, W. G. (1 T-TM)	Taylors
Burton, J. A. (4 Arch)	Greensboro, N. C.	Caskey, W. J. (2 A-Ag Ec)*	Lancaster
Burton, J. C. (1 T-TM)	Pendleton	Cason, P. N. (1 E-ME)*	Brunswick, Ga.
Busbee, A. L. (1 E-TE)*	Graniteville	Cassell, J. H. (2 Arch)*	Pickens
Busby, A. F. (3 Dairy)	Anderson	Cassidy, W. B. (1 T)*	Hartselle
Bush, J. J. (3 Ag En)	Allendale	Cassidy, J. B. (2 ME)	Greenville
Bussey, J. C. (1 E-EE)	Hagood	Castellio, J. B. (3 EE)	Winnboro
Butler, E. A. (1 E-Ch En)*	Youngstown, Ohio	Castles, R. L. (1 E-ME)	Winnboro
Butts, W. W. (3 Hort)	Walhalla	Castles, T. P. (2 AH)	Great Falls
Buxton, J. F. (2 TM)*	Sardis, Ga.	Cates, J. M. (3 Arch)	Savannah, Ga.
Byrd, D. L. (1 T-TM)*	Hartselle	Cates, J. W. (2 ME)	Seneca
Byrd, E. A. (3 CE)	Branchville	Cathcart, J. F. (2 TM)	Bishopville
Byrd, J. A. (3 TM)	Greenville	Cathcart, W. R. (4 Ind Ed)	Spartanburg
Cagle, M. E. (4 AH)	Andrews	Cauble, R. (S)*	Salisbury, N. C.
Caldwell, E. M. (4 Agron)	Spartanburg	Caudill, V. S. (1 A)*	Star, N. C.
Caldwell, J. C. (4 CE)	Charlotte, N. C.	Caulder, S. L. (2 VAE)	Lake City
Caldwell, V. B. (4 CE)	Blacksburg	Causey, C. E. (3 AH)	Furman
Calhoun, A. P. (2 A&S)	Savannah, Ga.	Cauthen, J. R. (1 E-Ch En)*	Heath Springs
Calvert, J. H. (1 T-TM)	Spartanburg	Cauthen, M. B. (1 VAE)	Heath Springs
Calvert, Jackie W. (2 TM)	Spartanburg	Cauthen, M. F. (1 E-EE)*	Rock Hill
Calvert, John W. (3 TM)	Abbeville	Cauthen, V. W. (4 EE)	Greenville
Calvert, L. (3 TM)	Mount Holly, N. C.	Cecil, O. K. (3 Ar En)	Spartanburg
Calvert, R. B. (1 A-AH)*	Spartanburg	Chalker, A. L. (3 ME)	South Orange, N. J.

Name and Course	Address	Name and Course	Address
Chalker, D. F. (4 CE) ---	South Orange, N. J.	Cobb, W. A. (4 TM) -----	Pelzer
Chalmers, C. M. (2 TM) -----	Greenwood	Cobb, W. H. (1 E-CE) -----	Columbia
Chalmers, J. W. (4 TM) -----	Greenwood	Cochran, L. M. (2 A-Dairy) -----	Anderson
Chalmers, L. V. (3 TM) -----	Greenwood	Cochran, W. R. (3 Ind Ed) -----	Seneca
Chambers, H. C. (3 CE) -----	Beaufort	Cochran, W. T. (2 TE) -----	Greenville
Chambers, J. E. (2 ME) -----	Piedmont	Cockfield, T. A. (4 CE) -----	Scranton
Chambers, R. W. (2 Ch En)* -----	Hayesville, N. C.	Cofer, C. M. (2 Ag En) -----	Charlotte, N. C.
Chamblee, C. D. (1 VAE) -----	Anderson	Cohen, E. D. (4 ME) -----	Charleston
Chamness, E. (3 Ag En) -----	Bennettsville	Cohen, P. B. (2 A-Agron) -----	Waynesboro, Ga.
Chamness, W. B. (2 Ar En) -----	Bennettsville	Coker, F. T. (4 TM) -----	Columbia
Champion, J. C. (4 ME) -----	Shelby, N. C.	Coker, J. W. (1 A-AH) -----	Turbeville
Chandler, J. A. (3 CE) -----	Clinton	Cole, J. O. (2 Arch) -----	Greenville
Chandler, K. R. (1 E-ME) -----	Cades	Coleman, A. J. (4 CE) -----	Saluda
Chandler, T. N. (1 T-TM)* -----	Greenwood	Coleman, C. D. (2 CE) -----	Anderson
Chaplin, R. A. (1 T-TM)* -----	Hartsville	Coleman, C. E. (1 Chem)* -----	Brunswick, Ga.
Chapman, J. W. (2 TM) -----	Spartanburg	Coleman, C. P. (1 E-CE)* -----	Greenwood
Chapman, W. H. (4 EE) -----	Piedmont	Coleman, T. E. (2 CE) -----	Mountville
Chapman, W. R. (4 Pre-Med) -----	Inman	Collings, T. A. (3 Pre-Med) -----	Clemson
Chappell, H. W. (4 TE) -----	Cartersville, Ga.	Collins, J. M. (4 ME) -----	Greenville
Charles, T. L. (2 EE) -----	Greenwood	Collins, R. F. (3 Ind Phys) -----	Greenville
Chastain, J. D. (2 VAE) -----	Taylors	Compton, C. J. (1 E-ME) -----	Hartsville
Cheatham, R. J. (4 TM) -----	New Orleans, La.	Compton, J. D. (1 T-TC) -----	Spartanburg
Cherry, H. J. (3 Agron) -----	Charlotte, N. C.	Cone, F. (2 VAE) -----	Coosada, Ala.
Childers, W. J. (4 TM) -----	York	Coney, J. R. (4 Arch) -----	Columbia
Childress, J. L. (2 TM) -----	Fort Knox, Ky.	Conn, J. R. (4 TE) -----	Woodruff
Childress, J. R. (2 VAE) -----	Six Mile	Connell, W. J. (1 T-TM) -----	Greenville
Childress, T. P. (1 Ind Ed)* -----	Six Mile	Connolly, G. W. (3 EE) -----	Newberry
Childs, D. A. (1 E-TE)* -----	Spartanburg	Connolly, H. M. (3 TM) -----	Ware Shoals
Childs, L. C. (1 Ar En)* -----	Columbia	Connor, J. D. (3 Pre-Med) -----	Walterboro
Chovan, T. M. (3 EE & Ind Phys) -----	Bethlehem, Pa.	Connor, T. M. (4 Ag En & CE) -----	Bowman
Chrisawn, E. S. (1 E-CE)* -----	Sumter	Conte, A. L. (2 ME) -----	Central
Christenbury, J. W. (2 ME)* -----	Charlotte, N. C.	Converse, S. W. (2 TM) -----	Spartanburg
Christopher, J. A. (2 Ag En) -----	Landrum	Conyers, J. W. (1 T-TM) -----	Kershaw
Christopher, J. B. (1 E-CE)* -----	Union	Cook, D. L. (1 E-CE)* -----	Kershaw
Churchill, J. D. (1 E-EE) -----	Charleston	Cook, J. H. (3 TM) -----	Travelers Rest
Ciotti, W. A. (1 Ar En)* -----	Lexington	Cook, L. H. (4 Ind Phys) -----	Bishopville
Claffy, J. F. (2 TM) -----	Spartanburg	Cook, O. C. (2 VAE) -----	Owings
Clancy, J. P. (4 TC) -----	Lancaster	Cook, P. A. (1 T-TM)* -----	Spartanburg
Clanton, J. C. (2 Pre-Med) -----	Charlotte, N. C.	Cook, W. T. (2 VAE) -----	Owings
Clanton, R. M. (3 A&S) -----	Darlington	Cooler, D. B. (2 EE) -----	Plantersville
Clapp, J. C. (1 E-ME)* -----	St. Petersburg, Fla.	Cooper, H. M. (3 TE) -----	Greenville
Clardy, J. E. (4 VAE) -----	Wampee	Cooper, J. N. (4 Arch) -----	Washingtonville, N. Y.
Clardy, W. W. (3 Ind Ed) -----	Arlington, Va.	Cooper, J. W. (4 ME) -----	Spartanburg
Clark, G. L. (3 EE) -----	Johnston	Cooper, L. R. (3 A&S) -----	Travelers Rest
Clark, J. F. (4 TM) -----	Walhalla	Cooper, R. P. (3 VAE) -----	Andrews
Clark, J. I. (1 T-TM) -----	Greenville	Cooper, W. P. (2 TM) -----	Columbia
Clark, L. S. (2 A-AH) -----	Johnston	Copeland, G. P. (4 Agron) -----	Clinton
Clark, O. M. (2 TM) -----	Clemson	Corbett, W. E. (1 E-Ag En) -----	Mountville
Clark, W. K. (3 TM) -----	Walhalla	Corey, H. S. (4 Ind Phys) -----	Asheville, N. C.
Clarke, A. H. (1 T-TM)* -----	Laurens	Corley, C. C. (3 Pre-Med) -----	Aiken
Clarke, E. M. (1 Ar En)* -----	Arlington, Va.	Corley, E. A. (2 A) -----	Greenwood
Clarke, L. W. (2 A-AH) -----	Pineville	Corley, E. J. (4 TE) -----	Ninety Six
Clarkin, J. R. (2 Arch) -----	Charleston	Corley, E. L. (4 Dairy) -----	Saluda
Clarkson, H. C. (1 E-CE) -----	Cheraw	Corley, L. P. (4 TM) -----	Harrison, N. Y.
Clayton, D. H. (2 Ch En) -----	Dorchester	Corn, J. P. (4 VAE) -----	Greenville
Clayton, L. A. (2 TM) -----	Greer	Cornwell, M. M. (3 ME) -----	Fort Myers, Fla.
Clayton, R. M. (4 CE) -----	Pickens	Cornwell, N. S. (3 Arch) -----	Fort Myers, Fla.
Clegg, J. M. (4 Hort) -----	Ridgeland	Costello, W. V. (2 A&S) -----	Georgetown
Cleland, C. H. (3 ME) -----	Ridgeland	Cothran, E. E. (2 TM) -----	Sandy Springs
Clement, C. W. (3 Hort) -----	Inman	Cothran, J. B. (3 TM) -----	Sandy Springs
Clemmer, J. L. (1 A-AH)* -----	Ridgeland	Cothran, J. E. (4 Arch) -----	Inman
Cleveland, J. O. (3 TM) -----	Anderson	Cothran, J. R. (3 Ag En) -----	Inman
Clevenger, C. W. (1 E-ME)* -----	Piedmont	Cothran, O. R. (3 VAE) -----	Pickens
Cline, S. L. (1 E-TE)* -----	Conover, N. C.	Coursey, E. G. (2 ME)* -----	Clearwater
Clinkscales, H. S. (3 VAE) -----	Starr	Coursey, J. T. (3 Ar En) -----	Charlotte, N. C.
Clinkscales, M. M. (3 TM) -----	Abbeville	Courtenay, S. J. (3 TE) -----	Greenville
Cloud, J. D. (1 E)* -----	Orlando, Fla.	Courtney, R. O. (2 CE) -----	Johnston
Coakley, D. H. (1 A&S) -----	Washington, D. C.	Cousins, W. R. (3 ME) -----	Newberry
Cobb, J. C. (2 TM) -----	Charlotte, N. C.	Covington, J. F. (4 EE) -----	Clio
Cobb, T. E. (1 E-ME) -----	Lyman	Covington, N. J. (2 EE) -----	Charlotte, N. C.
		Cowan, D. E. (3 TM) -----	Abbeville
		Cox, A. B. (2 TM) -----	Denmark
		Cox, A. C. (S GS) -----	Dawson, Ga.
		Cox, C. D. (4 ME) -----	Walhalla

Name and Course	Address	Name and Course	Address
Cox, C. R. (2 A&S) -----	Camden	Dargan, A. S. (4 ME) -----	Darlington
Cox, F. L. (3 AH) -----	Decatur, Ga.	Darlington, S. P. (4 ME) -----	Mount Pleasant
Cox, G. H. (2 Ind Ed) -----	Easley	Davenport, J. A. (2 ME) -----	Germantown, Tenn.
Cox, H. S. (1 Pre-Med)* -----	Belton	Davenport, R. E. (4 A&S) -----	Anderson
Cox, J. E. (3 CE) -----	Decatur, Ga.	Davis, C. E. (2 TM) -----	Greenwood
Cox, J. F. (3 TE) -----	Marion	Davis, C. W. (2 EE)* -----	Waynesville, N. C.
Cox, J. T. (PG CE) -----	Clinton	Davis, D. L. (3 Chem) -----	Greer
Cox, R. A. (2 ME) -----	Spartanburg	Davis, E. L. (4 TM) -----	Pelzer
Cox, R. E. (1 A) -----	Yonges Island	Davis, G. L. (1 E-TE) -----	Waban, Mass.
Cox, W. C. (1 A&S)* -----	Marion	Davis, H. (1 VAE) -----	Townville
Cox, W. H. (4 Ag Ec) -----	Kingstree	Davis, J. E. (1 T-TM) -----	Seneca
Coxe, W. B. (3 TM) -----	Greenville	Davis, J. M. (3 VAE) -----	Norway
Coyle, H. B. (4 TE) -----	Gaffney	Davis, L. R. (4 CE) -----	Chicago, Ill.
Cozart, J. G. (1 Pre-Med)* -----	Columbus, Ga.	Davis, M. V. (3 ME) -----	Wedgefield
Craig, D. L. (4 A&S) -----	Greenville	Davis, N. E. (3 AH) -----	Mullins
Craig, H. B. (4 AH) -----	Liberty	Davis, P. C. (1 E-CE) -----	Greer
Craig, J. F. (3 Pre-Med) -----	Eastover	Davis, R. (3 VAE) -----	Johns Island
Craig, K. R. (2 Ar En) -----	Greenville	Davis, R. E. (3 TM) -----	Fountain Inn
Craig, M. A. (3 ME) -----	Clover	Davis, R. S. (3 TM) -----	South Boston, Va.
Crandall, G. O. (1 T-TM)* -----	Clemson	Davis, V. G. (4 EE) -----	Greer
Crane, W. T. (2 EE) -----	Savannah, Ga.	Davis, W. C. (1 VAE)* -----	Furman
Cranston, J. C. (4 EE) -----	Augusta, Ga.	Davis, W. L. (4 ME) -----	Easley
Crappe, H. M. (3 ME) -----	Estill	Davis, W. M. (1 A&S)* -----	Greenwood
Crappe, J. L. (4 AH) -----	Estill	Dawkins, J. R. (2 TE) -----	Prosperity
Craven, W. H. (3 Agron) -----	Bamberg	Dawsey, J. W. (1 VAE)* -----	Aynor
Crawford, B. L. (4 Ar En) -----	Chester	Deanhardt, L. C. (2 TM) -----	Belton
Crawford, C. M. (4 Chem) -----	Greenville	Dearman, W. P. (2 EE) -----	Greenville
Crawford, D. E. (SG Ag Ec) -----	Clemson	Deas, B. F. (2 TM) -----	Rock Hill
Crawford, J. B. (1 A)* -----	Kelso, Tenn.	Deas, J. W. (3 ME) -----	Rock Hill
Crawford, J. H. (4 Hort) -----	Clemson	Deason, F. P. (2 TM) -----	McCormick
Crawford, J. M. (4 ME) -----	Spartanburg	Deason, J. T. (3 TM) -----	McCormick
Crawford, W. D. (2 TM)* -----	Spartanburg	Debski, J. Z. (1 A-Poul)* -----	Irvington, N. J.
Creech, H. L. (3 Dairy & Poul) -----	Olar	Dees, E. L. (1 Arch) -----	Blenheim
Creighton, C. S. (3 Ent) -----	North Augusta	Dees, W. M. (2 A-Hort) -----	Blenheim
Crenshaw, C. L. (4 Ag Ec) -----	Pendleton	Deese, L. M. (1 T-TM) -----	Chester
Crenshaw, P. W. (1 E-CE) -----	Westminster	DeGrado, C. J. (1 T-TC)* -----	Paterson, N. J.
Cribb, J. T. E. (2 Pre-Med) -----	Spartanburg	Delk, W. S. (1 T-TM) -----	Greenville
Crim, J. E. (2 EE) -----	Greer	DeLoach, G. E. (2 TM) -----	Beaufort
Crocker, J. L. (3 AH) -----	Union	DeLoach, R. L. (3 ME) -----	Beaufort
Crocker, R. H. (1 T-TM)* -----	Union	DeLoach, W. W. (3 TM) -----	Columbia
Cromer, B. A. (2 TM)* -----	Anderson	DeLorme, C. S. (1 A&S)* -----	Dovesville
Cromer, C. D. (1 VAE)* -----	Kinards	DeLorme, H. M. (4 Ent) -----	Columbia
Cromwell, R. B. (3 A&S) -----	Chester	Demosthenes, S. A. (4 CE) -----	Beaufort
Crosland, L. K. (2 Pre-Med) -----	Bennettsville	Dempsey, C. L. (1 Arch)* -----	Naval Base
Cross, D. E. (4 EE) -----	Georgetown	Dempsey, G. (1 E-Ch En)* -----	Augusta, Ga.
Crouch, R. W. (3 TE) -----	Greenville	Dennis, T. W. (1 E-CE) -----	Johnsonville
Crowe, R. N. (3 Arch) -----	Greenwood	Denson, W. C. (1 E-ME)* -----	Orlando, Fla.
Crump, E. L. (2 ME) -----	Newberry	Dent, J. E. (2 TM) -----	Columbia
Cudd, R. H. (1 T-TM)* -----	Spartanburg	Denton, D. W. (4 CE) -----	Decatur, Ga.
Cudworth, T. F. (3 CE) -----	Greensboro, N. C.	Derieux, W. T. (3 Poul) -----	Blytheville
Culp, R. B. (2 VAE)* -----	Waxhaw, N. C.	DesChamps, W. P. (4 CE) -----	Bishopville
Culp, T. W. (1 A-Agron) -----	Fort Mill	Deviney, W. E. (3 Ag Ec) -----	Rutherfordton, N. C.
Cummings, G. N. (2 CE) -----	Summerville	Devlin, G. M. (3 ME) -----	Greenwood
Cureton, F. M. (3 TM) -----	Union	DeVore, W. N. (4 CE) -----	Ninety Six
Cureton, J. C. (2 TM) -----	Clemson	Dewberry, W. E. (1 T-TM) -----	Elberton, Ga.
Cureton, W. M. (4 Arch) -----	Union	Dey, W. H. (1 E-EE) -----	Jacksonville, Fla.
Curley, J. P. (3 TE) -----	Augusta, Ga.	DeYoung, L. B. (3 Hort) -----	Clemson
Currie, E. G. (1 VAE) -----	Lake View	Diamond, G. (2 TM) -----	Taunton, Mass.
Currie, L. G. (2 A-Ag Ec) -----	Clio	Dibble, L. M. (4 EE) -----	Orangeburg
Curry, J. M. (2 A-Agron) -----	Gray Court	Dickert, H. D. (2 EE) -----	Savannah, Ga.
Cushman, J. E. (2 A-Dairy) -----	Chester	Dickson, James F. (1 E-ME)* -----	York
Dabney, F. D. (1 E-ME) -----	Rock Hill	Dickson, John F. (3 Ind Phys) -----	Rock Hill
Dabney, W. D. (1 A-AH)* -----	Lancaster	Dilfield, R. E. (3 Arch) -----	Newport News, Va.
Dalton, A. A. (4 ME) -----	Seneca	Dillard, E. L. (1 VAE)* -----	Six Mile
Dalton, J. A. (4 A&S) -----	Seneca	Di Marzo, J. M. (2 CE) -----	West Orange, N. J.
Dameron, R. M. (2 Ch En) -----	Greenville	Dimucci, D. M. (1 A)* -----	McKeesport, Pa.
Damiano, G. (1 E-CE)* -----	Providence, R. I.	Dinkins, J. G. (4 AH) -----	Manning
Daniel, G. G. (1 Ar En) -----	North Augusta	DiStefano, E. E. (1 E-CE)* -----	Providence, R. I.
Daniel, H. G. (3 Ch En) -----	Charlotte, N. C.	Dixon, L. C. (1 Chem)* -----	Union
Daniel, J. D. (4 VAE) -----	Lake City	Dixon, L. F. (4 TE) -----	Greenville
Danner, B. C. (1 E-ME) -----	Jonesville	Dixon, W. H. (2 TM)* -----	Brevard, N. C.
Danner, O. F. (3 A&S) -----	Jonesville	Dixon, W. L. (2 EE) -----	Sumter
Darby, G. M. (1 E-CE) -----	Mount Pleasant	Doar, L. H. (1 E-Ch En)* -----	Fort Knox, Ky.
Darby, W. E. (3 A&S) -----	Fort Motte		

Name and Course	Address	Name and Course	Address
Dobbins, J. P. (3 Ind Phys) ----	Spartanburg	Edwards, W. H. (2 Pre-For) ----	Starke, Fla.
Dobson, C. S. (1 E-EE) ----	Greenville	Ehrhardt, H. S. (1 E-EE)* ----	Ehrhardt
Dobson, J. W. (3 Agron) ----	Central	Elder, M. H. (1 E-Ag En)* ----	Atlanta, Ga.
Dobson, R. T. (1 T-TM) ----	Central	Eleazer, G. W. (3 TM) ----	Columbia
Dodgen, W. D. (1 T-TM) ----	York	Ellenburg, J. E. (1 T-TM)* ----	Spartanburg
Dodson, C. A. (4 Chem) ----	Greenville	Elliott, W. H. (2 A-AH) ----	Summerville
Doffort, J. H. (1 E-EE) ----	Washington, D. C.	Ellis, D. H. (1 E-EE) ----	Spartanburg
Donegan, T. D. (3 A&S) ----	Woodruff	Ellis, W. J. (1 Pre-Med) ----	Greenwood
Donkle, I. L. (4 TM) ----	Greenville	Ellis, W. R. (2 EE) ----	Anderson
Donovan, R. D. (3 Ag En) ----	Birmingham, Ala.	Ellison, L. A. (3 ME) ----	Great Falls
Dorn, M. D. (3 EE) ----	Greenwood	Ellison, R. C. (3 TC) ----	Lancaster
Dorsey, M. H. (4 TE) ----	Naval Base	Ellison, W. R. (2 EE) ----	Anderson
Douglas, R. L. (1 E-EE)* ----	Washington, D. C.	Elmore, G. F. (4 Hort) ----	Greer
Douglass, G. G. (3 TM) ----	Winnboro	Elms, D. F. (4 TM) ----	Fort Mill
Douglass, H. A. (3 Ag Ec) ----	Columbia	Elrod, A. C. (4 ME) ----	Walhalla
Dowis, J. R. (1 Arch)* ----	Spartanburg	Elrod, M. C. (4 TM) ----	Piedmont
Dowis, W. S. (4 Arch) ----	Spartanburg	Elrod, R. F. (1 E-EE) ----	Piedmont
Doyle, C. B. (3 Ent) ----	Anderson	Elrod, W. C. (4 ME) ----	Walhalla
Dozier, F. E. (1 E-CE)* ----	Brunswick, Ga.	Elsmore, S. E. (1 T-TM)* ----	Kingsport, Tenn.
Drafts, J. T. (2 Ar En) ----	Lexington	Emerson, J. H. (3 TC) ----	Atlanta, Ga.
Drake, B. F. (3 Agron) ----	Pelzer	Emory, W. C. (3 Ind Phys) ----	Gastonia, N. C.
Drake, O. D. (1 E-CE)* ----	Greenville	Enloe, W. P. (4 TM) ----	Roanoke, Ala.
Drake, O. K. (2 TM)* ----	Indianapolis, Ind.	Epps, C. O. (3 Ag En) ----	Latta
Drake, W. H. (2 EE) ----	Donalds	Epps, F. Q. (2 Ag En) ----	New Zion
Driggers, A. N. (1 VAE) ----	Walterboro	Epps, S. (4 TM) ----	Fort Mill
DuBose, C. R. (3 Ag En) ----	Ellenton	Erkes, G. R. (4 TM) ----	Rock Hill
Duckworth, R. J. (3 TM) ----	Westminster	Ervin, E. L. (1 T-TM)* ----	Pelzer
Duckworth, R. M. (2 Ar En) ----	Westminster	Ervin, J. B. (2 CE) ----	Florence
DuCom, E. L. (2 ME) ----	Sumter	Ervin, S. F. (2 A-Agron) ----	Florence
Dugan, J. D. (3 ME) ----	Easley	Erwin, A. M. (4 TM) ----	Abbeville
Dugger, P. E. (3 Arch) ----	Columbia	Eskew, T. E. (3 TE) ----	Whitmire
Duke, L. M. (2 Pre-For) ----	McClellanville	Eskridge, K. C. (2 Pre-Med) ----	Cheraw
Dukes, D. E. (3 Ind Ed) ----	Orangeburg	Eskridge, W. (4 CE) ----	Cheraw
Dukes, H. L. (1 T-TC) ----	Newberry	Estes, A. C. (2 TM) ----	Winnboro
Dukes, W. F. (4 Pre-Med) ----	Branchville	Estes, B. G. (2 TC) ----	Ware Shoals
Dumas, A. L. (2 TE) ----	Rockmart, Ga.	Estes, S. R. (3 Hort) ----	Greenville
Dunaway, T. W. (4 Chem) ----	Thomaston, Ga.	Estridge, I. M. (4 AH) ----	Lancaster
Duncan, B. A. (2 TM) ----	Six Mile	Eubanks, C. L. (1 E-ME)* ----	Summerville
Duncan, F. H. (1 E-ME) ----	Clemson	Eubanks, H. O. (2 Arch)* ----	Augusta, Ga.
Duncan, H. H. (1 E-EE)* ----	Anderson	Eubanks, L. (4 TM) ----	Graniteville
Duncan, J. D. (4 Ag Ec) ----	Loris	Eubanks, W. S. (2 A-AH) ----	Blackville
Duncan, R. E. (2 ME) ----	Callison	Euwer, D. B. (S GS) ----	Greenville
Duncan, R. M. (3 ME) ----	Union	Evans, C. (1 A)* ----	Central
Duncan, W. G. (1 Ar En)* ----	Greenwood	Evans, C. D. (S) ----	Holly Hill
Dunlap, H. L. (4 ME) ----	Rock Hill	Evans, C. H. (2 EE) ----	North Charleston
Dunn, D. L. (2 EE) ----	Warrenville	Evans, D. L. (3 AH) ----	Holly Hill
Dunn, G. R. (1 E)* ----	Bethlehem, Pa.	Evans, E. L. (1 VAE) ----	Pamplico
Dunn, J. C. (2 TE) ----	Central	Evans, J. L. (1 T-TM)* ----	West Orange, N. J.
Dunn, J. H. (1 E-TE) ----	North Augusta	Evans, J. R. (3 ME) ----	Anderson
Durden, G. C. (2 EE) ----	Augusta, Ga.	Evans, J. W. (3 TM) ----	Pinewood
Durgin, T. L. (1 E-CE)* ----	Washington, D. C.	Evans, W. C. (2 TM) ----	Clemson
Dusenberry, F. C. (3 TM) ----	Donalds	Evans, W. D. (2 Ag En) ----	Kingstree
Duvall, R. W. (3 Chem) ----	Cheraw	Evatt, A. H. (1 T-TM) ----	Easley
Dwight, R. C. (1 E-EE)* ----	Sumter	Evatt, T. R. (2 Ag En) ----	Seneca
Dyches, H. M. (1 E-TE)* ----	Aiken	Ezell, B. B. (PG Arch) ----	Spartanburg
Dyer, C. A. (4 TC) ----	Charleston	Ezell, H. K. (S)* ----	Clemson
Earle, J. C. (3 Ch En) ----	Parr	Facchin, G. J. (2 A&S) ----	Brentwood, Mo.
Earle, G. C. (2 ME) ----	Washington, D. C.	Faile, B. M. (4 VAE) ----	Kershaw
Earle, H. U. (4 TE) ----	Walhalla	Fair, H. H. (3 TC) ----	Greenville
Earle, J. R. (4 Pre-Med) ----	Walhalla	Fair, J. H. (3 A&S) ----	St. Matthews
Early, J. D. (1 A-Ent) ----	Florence	Fairey, J. M. (2 A&S) ----	Charleston
Earnhardt, M. M. (4 Ch En) ----	Kannapolis, N. C.	Fairey, T. B. (4 EE) ----	Orangeburg
Eason, H. L. (1 A-AH) ----	Sumter	Fairey, W. S. (2 A-AH) ----	Orangeburg
Easterling, E. M. (1 Arch)* ----	Columbia	Falkner, I. L. (3 Ind Phys) ----	Charlotte, N. C.
Easterling, J. L. (2 A-Agron) ----	Hartsville	Falls, H. (4 AH) ----	Asheville, N. C.
Eberhart, H. C. (3 ME) ----	Anderson	Fanning, M. H. (3 VAE) ----	Newberry
Eckman, L. M. (1 T)* ----	Jesup, Ga.	Fanning, W. H. (1 Arch) ----	Columbia
Edens, J. A. (4 TE) ----	Summerton	Fant, A. R. (4 Arch) ----	Anderson
Edney, E. P. (3 Ar En) ----	Charleston	Fant, C. W. (4 Arch) ----	Anderson
Edwards, A. Y. (1 T-TM) ----	Seneca	Fant, G. C. (4 A&S) ----	Anderson
Edwards, B. F. (2 ME) ----	Abbeville	Farmer, J. A. (4 CE) ----	Anderson
Edwards, D. C. (4 ME) ----	Fountain Inn	Farmer, J. E. (1 E-CE)* ----	Pickens
Edwards, L. L. (3 Ag En) ----	Marion	Farmer, J. M. (3 TM) ----	Anderson
		Farmer, K. B. (2 Ch En) ----	Tomotla, N. C.

Name and Course	Address	Name and Course	Address
Farmer, L. P. (3 EE)	Spartanburg	Franks, H. L. (3 CE)	Greenville
Farmer, R. E. (4 Arch)	Anderson	Fraser, H. E. (1 Pre-Med)*	Washington, D. C.
Farris, W. E. (4 EE)	Rock Hill	Fraser, W. T. (4 TM)	Greenville
Farriss, C. W. (3 ME)	Charlotte, N. C.	Freeland, M. C. (2 Pre-For)	Plum Branch
Faucett, J. W. (2 Pre-Med)	Union	Freeman, C. E. (4 AH)	Liberty
Faulkner, H. G. (1 VAE)	Clover	Freeman, E. A. (4 CE)	Clemson
Feemster, T. R. (1 E-TE)*		Freeman, J. E. (1 E-ME)*	Greenville
	East Gastonia, N. C.	Freeman, W. H. (1 A-Hort)*	Liberty
Fellers, Q. H. (3 TM)	Prosperity	Freudenberger, O. L. (1 E-CE)*	
Fellers, R. H. (3 Arch)	Newberry		St. Petersburg, Fla.
Fendley, J. E. (3 TM)	Westminster	Friar, J. S. (1 E-ME)*	Montmorenci
Fendley, T. L. (1 E-CE)*	Anderson	Friar, R. G. (4 TE)	Montmorenci
Fennell, J. E. (3 EE)	Hardeeville	Frick, R. K. (3 Ind Phys)	Spartanburg
Ferguson, G. R. (2 ME)	Bowling Green	Frick, W. H. (4 TM)	Newberry
Ferguson, J. C. (2 EE)	West Asheville, N. C.	Fricke, D. K. (1 A)*	Baldwin, N. Y.
Ferguson, R. W. (2 CE)*	Belmont, N. C.	Friend, J. C. (1 E-ME)*	Anderson
Ferguson, T. C. (2 EE)*	Greenville	Frierson, J. A. (1 E-CE)	Summerton
Ferguson, T. M. (3 A&S)	York	Frierson, J. L. (2 A-Hort)	Westminster
Ferguson, W. L. (3 Arch)	Spartanburg	Fripp, W. E. (3 Ar En)	Florence
Few, B. E. (2 ME)	Pickens	Fullum, W. J. (1 T-TM)*	Brooklyn, N. Y.
Few, R. A. (4 ME)	Greer	Fulmer, J. S. (2 TC)	Greenville
Ficken, G. E. (2 VAE)	Early Branch	Fulmer, M. A. (2 Ind Ed)*	Saluda
Fickling, A. H. (1 A)*	Ridgeland	Funchess, M. D. (3 Ag En)	Rowesville
Fickling, H. E. (2 A-AH)	Ridgeland	Furr, E. F. (3 Pre-Med)	Rock Hill
Fields, D. A. (1 E-CE)*	Society Hill	Furse, G. H. (3 VAE)	Summerton
Fields, H. M. (1 A-AH)*	Wilson, N. C.	Gabriel, N. R. (2 Ar En)	Memphis, Tenn.
Fields, L. J. (4 VAE)	Lamar	Gaddy, J. D. (3 TM)	McColl
Finley, G. L. (3 EE)	Anderson	Gaddy, J. M. (2 TM)*	Bennettsville
Fisher, L. (4 TE)	Belton	Gage, G. (2 TE)	Clemson
FitzSimons, F. L. (4 Ag En)		Gage, R. (4 TM)	Anderson
	Hendersonville, N. C.	Gailey, C. W. (2 TM)	Anderson
Fleisher, B. (1 T-TM)	Waterbury, Conn.	Gaillard, J. W. (3 TM)	Walhalla
Fleming, C. L. (1 T-TM)	Abbeville	Gaillard, W. H. D. (2 EE)	Florence
Fleming, G. R. (3 TM)	Chester	Gainer, C. E. (4 Ind Ed)	Lancaster
Fleming, M. L. (1 E-EE)*	Spartanburg	Gaines, H. P. (3 TM)	Honea Path
Fletcher, J. W. (4 VAE)	McColl	Gaines, J. C. (2 ME)	Liberty
Florence, O. G. (3 ME)	Wrens, Ga.	Gaines, J. O. (3 Agron)	Townville
Flowers, F. M. (1 A-Agron)	Darlington	Gaines, J. R. (3 TM)	Liberty
Flowers, J. P. (3 Ag En)	Darlington	Gaines, W. A. (4 ME)	Central
Floyd, L. W. (4 AH)	Manning	Gale, A. D. (2 CE)	Brunswick, Ga.
Floyd, P. R. (4 CE)	Greenville	Gamble, W. A. (3 VAE)	Charleston
Flynn, G. S. (4 Ind Ed)	Lancaster	Gambrell, C. B. (4 TE)	Birmingham, Ala.
Foard, R. M. (1 E-CE)*	Charlotte, N. C.	Gambrell, C. H. (2 EE)	Greenville
Foard, W. W. (4 ME)	Marion	Gambrell, F. M. (3 Ag En)	Pendleton
Folk, E. W. (1 E-Ch En)	Simpsonville	Gambrell, H. L. (2 TM)	Pendleton
Folk, J. M. (1 T-TM)	Bamberg	Gambrell, H. M. (2 Ag En)	Owings
Folks, J. J. (1 E-TE)*	Inverness, Fla.	Gammon, J. T. R. (1 T-TM)	Mayesville
Fooshe, W. K. (2 TM)	Hodges	Gandy, V. (2 A-AH)	Florence
Forbes, C. S. (1 A&S)*	Washington, D. C.	Ganyard, T. H. (1 E-ME)*	Miami, Fla.
Ford, D. M. (2 EE)	Clover	Gardner, G. N. (2 TM)	Kershaw
Fore, F. C. (1 VAE)*	Mullins	Gardner, J. E. (4 TM)	Joanna
Foreman, F. L. (4 Agron)	Ellenton	Gardner, J. M. (2 Ind Ed)	Hartsville
Forlidas, N. J. (1 E-TE)*	Spartanburg	Gardner, R. W. (2 Ag En)	Pritchardville
Foster, D. A. (4 Pre-Med)	Greenwood	Garner, F. A. (2 A-Agron)*	Ashburn, Ga.
Foster, Harold B. (2 A-Hort)	Chesnee	Garrard, J. E. (2 Arch)	Chattanooga, Tenn.
Foster, Hugh B. (4 TM)	Spartanburg	Garren, C. H. (2 TM)	Calhoun, Ga.
Foster, J. B. (2 A&S)	Woodruff	Garren, D. H. (2 ME)	Easley
Foster, L. F. (2 TM)*	Arcadia	Garren, J. W. (1 Arch)*	Spartanburg
Foster, P. F. (4 TM)	Fountain Inn	Garrett, J. B. (3 TM)	Woodruff
Foster, R. R. (4 VAE)	Chesnee	Garrett, J. L. (4 TM)	Belton
Foster, T. D. (2 Chem)	Spartanburg	Garrett, J. P. (4 A&S)	Greenville
Foster, T. S. (3 CE)	Greenville	Garrett, R. H. (1 A&S)	Greenville
Foster, W. R. (3 Ar En)	Greenville	Garrison, A. F. (4 TC)	Hartwell, Ga.
Fowler, H. E. (2 VAE)*	Greer	Garrison, E. W. (1 T-TM)	Sandy Springs
Fowler, J. B. (2 ME)	Greenville	Garrison, R. E. (2 TM)	Greenville
Fowler, J. F. (1 E-Ag En)	Lockhart	Garvin, P. M. (4 Ag En)	Greenwood
Fowler, R. D. (3 TM)	Anderson	Garvin, T. E. (1 A-Ag Ec)	Salley
Fowler, W. (3 EE)	Pacolet Mills	Gasaway, R. P. (3 TM)*	Jefferson, Ga.
Fowler, W. C. (2 Arch)*	Mullins	Gasque, G. B. (4 Arch)	Marion
Fox, W. I. (4 Ch En)	Anderson	Gaston, G. L. (1 Arch)*	Blacksburg
Foy, H. B. (3 Arch)	Waynesville, N. C.	Gaston, J. M. (2 A-Dairy)	Richburg
Fraissor, J. (2 EE)	Whitmore	Gaston, M. (4 Ag En)	Duncan
Fraley, V. V. (1 Pre-For)*	Florence	Gaston, W. W. (4 AH)	Richburg
Fralick, O. H. (2 ME)	Walterboro	Gatlin, K. A. (2 A&S)	Newberry

## M E 411—HEAT POWER—3 cr. (3 and 0)

Organization of steam, Diesel and hydro power plants with reference to the design and performance characteristics of the individual pieces of apparatus involved, variable load, costs, and economics. Buildings and foundations are briefly covered. *Prerequisite:* M E 312

MR. FERNOW

## M E 412—HEAT POWER—3 cr. (3 and 0)

A continuation of M E 411, stressing the design, arrangement and economic justification of the boilers, prime movers, condensers, fuel handling equipment, stokers, pulverized fuel equipment, combustion, refuse handling equipment, fans, chimneys, water treatment, water heaters and deaerators, pumps, feed water regulation and the piping system design and layout. *Prerequisite:* M E 411

MR. MILLS

## M E 413—HEAT POWER LABORATORY—2 cr. (0 and 6)

A practical application of the theory covered in M E 411. Performance tests of steam turbines, blowers, pumps, boilers, refrigeration plants, and hydraulic turbines are studied. *Prerequisite:* M E 314 and enrollment in M E 411

MR. WATSON    MR. MILLS    MR. CARMICHAEL

## M E 414—HEAT POWER LABORATORY—2 cr. (0 and 6)

Testing of all types of internal combustion engines, auxiliaries, and fuels. *Prerequisite:* M E 413

MR. LEWIS    MR. EDWARDS

## M E 417—DESIGN—2 cr. (1 and 3)

The solution of a variety of engineering problems under guidance to familiarize the student with the kind of work he may be called on to do after his first induction into industry. Completeness and orderly and logical work are stressed. *Prerequisite:* Enrollment in M E 411

MR. MILLS

## M E 418—DESIGN—2 cr. (1 and 3)

A continuation of M E 417. *Prerequisite:* Enrollment in M E 412

MR. HUDSON

## M E 420—ADMINISTRATION—3 cr. (3 and 0)

Instruction in the principles of organizing, financing, and incorporating business enterprises; organization of the manufacturing establishment; buying and selling; contracts, accounting; management problems. *Prerequisite:* Senior standing

MR. SAMS

## M E 421—GAS ENGINES—3 cr. (3 and 0)

Theoretical and actual cycles, performance characteristics, fuels, combustion, cooling, dynamics, ignition and injection of the two and four stroke cycle spark ignition and compression ignition engine. *Prerequisite:* M E 311 and 312

MR. LEWIS

## M E 423—GAS ENGINE DESIGN—1 cr. (0 and 3)

Limits and requirements in the design of both air cooled and liquid cooled spark ignition and compression ignition engines, the principle of similitude, detail design and sketching of the engine parts and an assembly drawing of an engine. *Prerequisite:* D D 306, M E 311, 312, and enrollment in M E 421

MR. LEWIS

## M E 426—STEAM TURBINES—3 cr. (3 and 0)

Structural features, performance, and design of all types of steam turbines. *Prerequisite:* M E 312

MR. FERNOW

## M E 428—TURBINE DESIGN—1 cr. (0 and 3)

Complete design of nozzle and blade elements of impulse and reaction steam turbines. *Prerequisite:* Enrollment in M E 426

MR. FERNOW

## M E 429—HEATING AND VENTILATION—2 cr. (2 and 0)

A study of the principles of heating and ventilation with emphasis on the following topics: factors affecting human comfort, the theory of heat transfer and the calculation of heat transmission coefficients, heat

Name and Course	Address	Name and Course	Address
Hill, R. L. (2 EE)*	Anderson	Hudson, R. L. (1 E-EE)	North Charleston
Hill, T. A. (3 Ag En)	Florence	Hudson, Richard W. (3 EE)	Sumter
Hilla, E. A. (2 Arch)	Newark, N. J.	Hudson, Robert W. (1 A&S)	North Charleston
Hiller, J. W. (1 Arch)*	Greenville	Huff, C. E. (2 TM)	Woodruff
Hiller, R. E. (3 Ind Phys)	Greenville	Huff, C. H. (1 A&S)*	Hartsville
Hilton, A. W. (2 VAE)	Kershaw	Huff, O. F. (3 Agron)	Branchville
Hindman, C. C. (4 EE)	Greenville	Huffman, J. L. (2 VAE)	Newberry
Hines, J. R. (1 A&S)*	St. Petersburg, Fla.	Huffman, S. J. (2 EE)	Charleston
Hinson, D. R. (1 T-TM)*	Kershaw	Huggins, K. L. (1 E-ME)*	Mullins
Hinson, J. C. (1 Ind Ed)	Columbia	Huggins, N. P. (1 Pre-For)	Mullins
Hinson, J. F. (1 E-ME)	Lynchburg	Hughes, F. E. (2 TM)	Charlotte, N. C.
Hinton, C. R. (1 A-AH)	Ninety Six	Hughes, R. A. (2 EE)	Hartsville
Hodge, C. R. (3 Ent)	Alcolu	Hughes, R. L. (1 VAE)	Edgefield
Hodge, S. E. (3 CE)	Georgetown	Hughey, H. D. (3 TE)	Greer
Hodges, W. A. (2 Pre-Med)	Mullins	Huguley, B. L. (1 T-TM)*	McCormick
Hoffmann, F. C. (1 T-TM)	New York, N. Y.	Huiet, G. E. (4 Arch & Hort)	Trenton
Hoffmann, R. C. (3 TM)	Greenville	Hull, P. D. (4 Ind Ed)	Westminster
Hoffmann, R. M. (3 Pre-Med)	Fountain Inn	Hulon, H. E. (1 T-TM)	Union
Hogan, C. S. (3 EE)	North Augusta	Humphries, W. B. (4 A&S)	Gaffney
Hogg, H. R. (1 A)*	Hillside, N. J.	Hunnicutt, J. A. (4 Ar En)	Greenville
Hoke, H. R. (4 TE)	Newton, N. C.	Hunsuck, E. E. (3 Pre-Med)	Whitney
Holcombe, B. F. (2 ME)	Central	Hunsuck, W. F. (3 ME)	Whitney
Holcombe, C. W. (3 TE)	Greenville	Hunt, J. F. (3 Ed)	Liberty
Holcombe, F. J. (1 A)*	Summit, N. J.	Hunter, J. E. (4 EE)	Columbia
Holcombe, W. G. (4 ME)	Greenville	Hunter, J. R. (3 Arch)	Lancaster
Holder, R. (3 Dairy)	Union	Hunter, J. T. (4 A&S)	Marion
Holladay, C. H. (3 Ind Ed)	Sumter	Hunter, J. W. (1 A-AH)	Liberty
Holley, E. E. (1 A-AH)	Aiken	Huot, P. A. (1 Arch)*	Turtle Creek, Pa.
Holley, J. R. (2 A&S)	Aiken	Hurley, R. C. (2 TM)	Greenville
Holley, R. H. (3 Agron)	Aiken	Hutchings, J. M. (4 EE)	Norwood, Ohio
Holliday, C. A. (2 VAE)	Six Mile	Hutchins, D. C. (2 VAE)	Walhalla
Holliday, J. J. (1 Pre-Med)*	Florence	Hutchinson, C. G. (2 VAE)	Nichols
Holliday, W. F. (1 E-ME)*	Piedmont	Hutto, D. L. (1 VAE)*	Salem
Hollis, C. E. (2 TM)	Central	Hyder, T. A. (3 VAE)	Spartanburg
Hollis, E. J. (4 TM)	Chester	Hyland, C. M. (2 Arch)*	Wollaston, Mass.
Hollis, J. T. (3 Arch)	Union	Inabinet, H. S. (1 A-Ag Ec)	Swansea
Hollis, N. M. (4 TM)	Rock Hill	Inabinet, J. R. (4 TM)	St. Matthews
Holshouser, W. A. (3 A&S)	Erwin, Tenn.	Inabinet, J. W. (4 Arch)	Bowman
Honeycutt, R. G. (2 TC)	Marion, N. C.	Ingle, H. (1 Ind Ed)*	Erwin, Tenn.
Hood, C. D. (1 E-EE)	McCormick	Ingle, J. A. (3 TC)	Asheville, N. C.
Hood, R. W. (3 EE)	Greenville	Ingram, C. H. (4 ME)	Hartsville
Hood, W. C. (3 Ch En)	Easley	Inman, C. M. (2 A-AH)	York
Hooper, J. B. (1 T-TM)	Anderson	Ireland, C. P. (1 A)*	Savannah, Ga.
Hooton, W. A. (2 TM)	North Augusta	Irwin, W. R. (4 ME)	Spartanburg
Hoover, J. A. (1 E-ME)	North Charleston	Isaacs, O. F. (1 Ind Ed)	Chester
Hope, R. M. (1 A-Poul)	Rock Hill	Isenhour, G. R. (1 T-TM)	Hickory, N. C.
Hopkins, A. R. (3 Ent)	Pendleton	Ivester, J. M. (3 TM)	Greenville
Hopper, I. D. (3 TM)	Chester	Ivester, J. R. (4 Pre-Med)	Walhalla
Hord, H. E. (2 EE)	Sharon	Ivey, S. A. (4 A&S)	Downers Grove, Ill.
Horne, B. S. (2 Ch En)	Charleston	Ix, F. W. (4 TM)	Charlottesville, Va.
Horne, C. C. (2 EE)	Charleston	Ix, J. A. (2 TM)	Charlottesville, Va.
Hornick, F. J. (1 VAE)	Fair Play	Jack, G. B. (2 ME)	South Salem, N. Y.
Horton, E. M. (3 ME)	Spartanburg	Jackson, J. C. (4 VAE)	Camden
Houston, W. M. (3 CE)	Easley	Jackson, J. M. (3 ME)	Rock Hill
Howard, A. M. (3 Ind Phys)	Greenville	Jackson, J. P. (4 Agron)	Sumter
Howard, C. C. (3 VAE)	Pickens	Jackson, J. W. (1 E-ME)*	Graniteville
Howard, H. E. (1 E-ME)	Charleston	Jackson, R. S. (3 VAE)	Manning
Howell, C. L. (2 EE)	Greer	Jackson, S. L. (1 A-Dairy)*	Tabor City, N. C.
Howell, J. I. (3 Pre-Med)	Spartanburg	Jackson, T. A. (3 TM)	Great Falls
Howell, K. P. (2 A-Ag Ec)	Conway	Jackson, T. F. (2 A-AH)	Clover
Howell, N. A. (3 TE)	College Park, Ga.	Jackson, W. F. (1 Arch)	Rock Hill
Howell, W. F. (4 EE)	Lancaster	Jackson, W. M. (1 Ar En)	Washington, D. C.
Howle, D. M. (2 Ag En)	Darlington	Jacobs, J. C. (4 TM)	Greenville
Howle, T. L. (3 TC)	Florence	Jacobs, R. F. (2 ME)	West Columbia
Huckabee, J. L. (3 TE)	Marion	Jacques, J. R. (SG)	Ware Shoals
Hucks, C. B. (3 EE)	Savannah, Ga.	Jaffe, S. (1 E-EE)*	Charleston
Hucks, C. C. (1 E-ME)	Aynor	James, C. F. (1 T-TM)	Central
Hucks, E. (4 VAE)	Aynor	James, J. H. (2 ME)	Statesville, N. C.
Hudgens, J. M. (2 EE)	Laurens	James, J. J. (3 TM)	Pendleton
Hudson, B. E. (4 TM)	Greenville	James, L. W. (4 Agron)	Anderson
Hudson, D. J. (3 Ar En)	Greenville	James, N. A. (1 A-Ag Ec)	Loris
Hudson, H. A. (2 VAE)	Walhalla	James, W. L. (1 E-CE)	Manning
Hudson, J. W. (1 T-TM)*	Greenville	Jameson, D. M. (4 Ag En)	Greenville
Hudson, P. B. (3 TM)	West Union	Jameson, H. D. (1 E-Ag En)*	Easley

Name and Course	Address	Name and Course	Address
Jameson, J. M. (1 A)*	Liberty	Kates, G. S. (2 TE)*	Anderson
Jarrett, F. A. (2 TM)	Chester	Kay, F. F. (4 Ar En)	Charlotte, N. C.
Jeffcoat, G. C. (3 ME)	Cope	Kay, R. J. (1 E-TE)*	Trenton, N. J.
Jeffcoat, N. F. (4 VAE)	Swansea	Kearse, W. S. (2 A-Ag Ec)	Yonges Island
Jefferies, C. J. (1 T-TM)*	Burlington, N. C.	Keasler, B. M. (4 TC)	Westminster
Jefferies, R. H. (3 Pre-For)	Chapin	Keasler, R. L. (1 T-TM)*	Westminster
Jeffords, C. Q. (2 ME)	Florence	Keasler, W. B. (3 EE)	Inman
Jeffords, C. R. (1 E-ME)	Atlanta, Ga.	Keasler, W. H. (3 TC)	Westminster
Jeffords, F. Y. (2 VAE)	Timmons ville	Keene, W. M. (2 Ar En)	Spartanburg
Jeffords, L. G. (3 Ag En)	Timmons ville	Keeney, M. F. (4 EE)	Spartanburg
Jeffords, T. H. (1 A-Agron)	Florence	Keil, J. E. (4 Ent)	Charleston
Jeffords, W. I. (4 EE)	Florence	Keith, J. M. (1 E-Ag En)*	Chappells
Jenkins, D. M. (4 EE)	Union	Keith, T. C. (2 A-AH)	Pickens
Jenkins, E. M. (4 ME)	Osborn	Kelley, E. A. (2 Pre-Med)	Greer
Jenkins, H. S. (3 Hort)	Wadmalaw Island	Kelly, C. R. (3 Arch)	Charleston
Jenkins, J. S. (3 ME)	Gastonia, N. C.	Kelly, J. Walter (3 Arch)	Anderson
Jenkins, L. M. (3 Ch En)	Kline	Kelly, J. Wesley (1 A)*	Union
Jenkins, M. C. (3 Agron)	Allendale	Kelly, J. William (1 Arch)	Central
Jenkins, W. H. (4 Agron)	Kline	Kelly, W. D. (2 A-Ag Ec)	Leesville
Jenkins, W. J. (2 A-Hort)	Osborn	Kelly, Z. K. (4 TM)	Pelzer
Jennings, B. B. (2 EE)	Lowndesville	Kelsey, W. B. (3 TC)	Chester
Jester, A. H. (4 EE)	Greenwood	Kendra, F. S. (2 EE)	Ford City, Pa.
Jeter, A. P. (4 Pre-Med)	Rock Hill	Kendrick, T. B. (3 Arch)	Spartanburg
Jewell, J. F. (1 Arch)*	Malverne, N. Y.	Kennedy, H. R. (4 TM)	Union
Johns, E. M. (3 TM)	Spartanburg	Kennemore, C. M. (3 A&S)	Easley
Johnson, A. B. (4 CE)	Spartanburg	Kennette, G. L. (1 T-TM)	Wellford
Johnson, C. L. (2 Arch)	Sumter	Kennette, W. H. (3 TM)	Wellford
Johnson, C. M. (1 E-CE)*	Tampa, Fla.	Key, J. T. (1 E-EE)*	Columbia
Johnson, D. L. (4 VAE)	Windsor	Kilgo, R. A. (4 Ar En)	Laurens
Johnson, F. M. (1 A-Ag Ec)*	Effingham	Killingsworth, A. B. (3 EE)	Aiken
Johnson, H. T. (2 VAE)	Inman	Kinard, J. A. (4 EE)	North Charleston
Johnson, J. A. (3 TM)	Warrenville	Kinard, J. Q. (2 Pre-Med)	Springfield
Johnson, J. E. (2 ME)	Reidsville, N. C.	Kinard, R. H. (2 A-Agron)	Islandton
Johnson, J. K. (3 ME)	Clinton	Kincaid, W. L. (SG)*	Salisbury, N. C.
Johnson, J. R. (4 TM)	Greenville	King, C. W. (1 T-TM)	Swansea
Johnson, J. T. (4 Agron)	Lynchburg	King, E. L. (3 AH)	Chesterfield
Johnson, R. A. (4 ME)	Pelzer	King, H. L. (1 E-CE)	Clemson
Johnson, R. B. (1 A-AH)*	Sumter	King, I. D. (3 CE)	Gray Court
Johnson, W. C. (4 VAE)	Edgefield	King, J. H. (3 Pre-Med)	Loris
Johnson, W. V. (1 E-ME)	Greenville	King, J. L. (1 E-CE)*	Greenville
Johnston, J. F. (1 A&S)*	Greenville	King, M. J. (2 A&S)	Belton
Johnston, J. M. (4 EE)	Greenville	King, T. A. (1 T-TM)	Anderson
Johnston, L. L. (4 ME)	Graniteville	King, W. D. (1 E-TE)*	Turtle Creek, Pa.
Johnston, L. S. (1 Ar En)*	Greenville	Kinlaw, J. A. (1 VAE)*	Lumberton, N. C.
Johnston, T. E. (3 VAE)	Moncks Corner	Kinney, M. E. (1 T-TM)	Valley Stream, N. Y.
Jolly, J. (2 ME)	Gaffney	Kirby, D. A. (2 A-AH)	Timmons ville
Jones, A. L. (2 Ag En)	Saluda	Kirby, W. M. (2 TM)*	Laurens
Jones, C. E. (1 T-TM)	Gaffney	Kirkpatrick, M. H. (4 Ag En)	Clio
Jones, C. L. (1 T-TM)	Ridgeway	Kirkwood, C. E. (S)	Clemson
Jones, C. R. (SG ME)	Ashton	Kirven, L. E. (4 Pre-Med)	Pinewood
Jones, D. C. (4 CE)	Barnwell	Kiser, T. R. (1 Ed)	Bowman
Jones, D. M. (2 A-Agron)	Glenn Springs	Kitchen, A. B. (4 ME)	Augusta, Ga.
Jones, E. D. (3 TM)	Greer	Kitchings, J. B. (1 VAE)*	Elko
Jones, E. H. (3 Ind Ed)	Great Falls	Kite, V. L. (1 T-TM)*	Gaffney
Jones, G. L. (1 A)	Pamlico	Kivett, R. G. (4 CE)	Greenville
Jones, G. R. (2 Pre-Med)	Buffalo	Kizer, L. E. (2 A-Agron)	Florence
Jones, G. W. (2 TM)	Bishopville	Klettner, S. J. (4 Ag En)	Hartsville
Jones, James D. (3 TM)	Fort Mill	Klinck, D. C. (1 E-ME)	North Augusta
Jones, Joseph D. (3 ME)	Marietta	Knight, E. L. (3 Ag Ec)	Andrews
Jones, J. H. (3 TM)	Spartanburg	Knight, E. R. (2 Ch En)	Cheraw
Jones, J. O. (2 TM)	Greenville	Knight, J. C. (2 EE)	Summerville
Jones, M. W. (SG EE)	Spartanburg	Knight, L. A. (2 TM)	Greenville
Jones, O. B. (4 EE)	Greenville	Knight, R. H. (2 EE)	Rock Hill
Jones, P. H. (1 A-Agron)	Mullins	Knight, W. E. (2 TM)	Williamston
Jones, R. L. (1 E-Ch En)*	Greer	Koehler, K. B. (4 Arch)	Louisville, Ky.
Jones, R. W. (3 Ar En)	Spartanburg	Kohn, S. H. (1 Ar En)	Charleston
Jones, T. O. (3 TE)	Newberry	Koon, J. A. (1 T-TM)*	Whitmire
Jordan, A. B. (3 Ind Ed)	Bishopville	Krauss, G. A. (2 Pre-For)	Brunswick, Ga.
Josey, W. E. (3 TE)	Anderson	Labra, G. P. (2 Ar En)*	Brooklyn, N. Y.
Jowers, Q. A. (1 VAE)*	Williston	LaBrasca, G. (3 A&S)	Charleston
Joyner, R. S. (4 VAE)	Ward	Lacey, J. R. (3 VAE)	Ravenel
Julien, R. A. (3 A&S)	Greenwood	Lachicotte, A. H. (4 Hort)	Pawleys Island
Kamane, A. (1 E-ME)*	Paterson, N. J.	Lachicotte, G. P. (3 AH)	Pawleys Island
Karst, W. B. (2 ME)	Greenville	Lachicotte, W. F. (2 A-AH)	Pawleys Island

Name and Course	Address	Name and Course	Address
Laffoday, W. C. (2 CE) -----	Lamar	Liebenrood, G. H. (2 A-AH) -----	Mount Pleasant
La Frage, J. L. (3 VAE) -----	Fort Mill	Lightsey, D. G. (1 A-Agron)* -----	Fairfax
Lake, W. H. (4 ME) -----	Walhalla	Lightsey, H. M. (1 A-Agron)* -----	Columbia
Lamar, L. H. (4 ME) -----	Augusta, Ga.	Ligon, H. B. (3 Pre-Med) -----	Iva
Lamoreux, C. O. (3 TE) -----	Spartanburg	Liles, J. S. (4 CE) -----	Charlotte, N. C.
Lancaster, B. S. (3 TM) -----	Jonesville	Lindler, A. L. (4 VAE) -----	Chapin
Lancaster, F. L. (3 ME) -----	Port Royal	Lindsay, J. B. (3 Arch) -----	Clemson
Lance, G. H. (2 EE)* -----	Asheville, N. C.	Lindsay, J. N. (2 EE) -----	Anderson
Land, J. E. (2 TM) -----	Buffalo	Lindsay, R. J. (1 T-TM) -----	Clemson
Landgraf, L. P. (4 CE) -----	Panama City, Fla.	Lindstedt, G. W. (2 A&S) -----	Holly Hill
Landrum, J. B. (3 Arch) -----	Columbia	Lineberger, T. E. (3 Ind Ed) -----	Greenville
Laney, J. W. (4 Agron) -----	Bennettsville	Link, J. B. (2 CE) -----	McCormick
Langford, R. F. (4 CE) -----	Woodruff	Liston, J. W. (2 A&S) -----	Smoaks
Langford, J. W. (4 A&S) -----	Ridgeland	Little, L. W. (3 VAE) -----	Newberry
Langford, T. H. (3 A&S) -----	Savannah, Ga.	Littlejohn, C. E. (S) -----	Clemson
Langle, I. L. (2 TM)* -----	Lynchburg, Va.	Littlejohn, G. W. (2 VAE) -----	Cowpens
Langle, J. F. (3 Ar En) -----	Conway	Littlejohn, H. B. (3 VAE) -----	Pacolet
Langston, C. E. (4 VAE) -----	Timmons ville	Littlejohn, J. J. (3 Chem) -----	Spartanburg
Langston, C. L. (2 TM) -----	Darlington	Littlejohn, J. N. (1 A-Hort) -----	Sumter
Langston, M. A. (2 A-Agron) -----	Timmons ville	Littlejohn, L. S. (1 VAE)* -----	Greenville
Langham, J. P. (2 A-Dairy) -----	Edgefield	Livingston, L. S. (3 Ag En) -----	North
Lark, H. J. (3 EE) -----	Easley	Livingston, M. W. (2 A-AH) -----	North
Lark, R. E. (3 TM) -----	Pickens	Livingston, O. W. (2 Ch En) -----	Columbia
LaRoche, J. J. (1 E)* -----	Charleston	Lloyd, G. M. (3 Ch En) -----	Charleston
Latham, D. L. (3 TM) -----	Iva	Lockaby, R. H. (2 Ed)* -----	East Flat Rock, N. C.
Latham, W. F. (4 TM) -----	Iva	Locke, D. F. (2 ME) -----	Spartanburg
Lathan, C. H. (3 VAE) -----	Lowrys	Locke, J. D. (4 CE) -----	Taylors
Latham, R. C. (S)* -----	Clemson	Lockman, J. E. (4 ME) -----	Spartanburg
Latt, J. G. (1 E-CE)* -----	Hendersonville, N. C.	Lockman, W. D. (2 ME) -----	Chesnee
Latto, E. S. (4 ME) -----	Charleston	Loftis, C. E. (3 Ind Ed) -----	Pickens
Laughlin, R. C. (3 TM) -----	Florence	Lofton, A. M. (4 Agron) -----	McClellanville
Law, D. E. (8 Ag En) -----	Darlington	Lollis, H. E. (4 ME) -----	Greenville
Lawrence, O. W. (1 T-TM)* -----	Spartanburg	London, B. L. (2 Chem)* -----	Brooklyn, N. Y.
Lawrimore, I. B. (1 Pre-For) -----	Hemingway	Long, C. W. (3 CE) -----	Newberry
Lawson, R. W. (3 TM) -----	Union	Long, E. J. (4 TM) -----	Gaffney
Lay, B. S. (2 Ag En) -----	Westminster	Long, R. M. (3 TM) -----	Edgemore
Lay, J. F. (2 Ag En) -----	Central	Long, T. J. (4 ME) -----	McColl
Leach, P. J. (4 TM) -----	Abbeville	Longshore, H. B. (1 E-ME)* -----	Laurens
League, F. M. (4 TM) -----	Easley	Longshore, H. F. (2 Ag En) -----	Newberry
Leavy, C. F. (2 CE)* -----	Brunswick, Ga.	Love, H. M. (3 Arch) -----	Chester
Lee, D. L. (2 TE) -----	Fort Mill	Love, S. W. (1 T-TM) -----	Florence
Lee, E. W. (3 Dairy) -----	Landrum	Love, T. B. (4 A&S) -----	Alcolu
Lee, H. E. (3 EE) -----	Hampton, Va.	Lovelace, L. H. (1 T-TM)* -----	Gaffney
Lee, J. A. (4 Arch) -----	Greenwood	Lovelace, O. F. (2 A-Dairy) -----	Prosperity
Lee, W. A. (3 CE) -----	Elberton, Ga.	Lovell, G. A. (2 TM) -----	Liberty
Legare, L. N. (1 E-EE) -----	Moultrieville	Lowder, H. B. (2 Ind Ed) -----	Albemarle, N. C.
LeGrand, D. C. (2 TM) -----	Greenville	Lowe, A. H. (3 TM) -----	Warrenville
LeGrand, W. D. (4 TE) -----	Greenville	Lowe, J. Z. (4 EE) -----	Spartanburg
Leiby, R. G. (4 ME) -----	Sumter	Lowman, K. T. (1 T-TM)* -----	Cameron
Leitch, J. A. (1 E-ME)* -----	Charleston	Lubash, V. I. (2 TM) -----	New York, N. Y.
Lemmon, O. C. (1 A-AH) -----	Latta	Lucas, J. L. (4 TM) -----	Lancaster
Leonard, G. T. (2 A-Hort) -----	Asheville, N. C.	Lund, S. (4 Agron) -----	Anderson
Leonard, H. B. (4 Arch) -----	Columbia	Lunn, J. E. (1 E-Ag En)* -----	Florence
Leonard, E. M. (2 TM) -----	Woodruff	Lunsford, P. R. (3 TM) -----	Charlotte, N. C.
LeRoy, J. L. (2 CE) -----	Troy	Lupo, G. M. (3 TE) -----	Charlotte, N. C.
Lesley, J. B. (3 A&S) -----	Easley	Lusk, J. A. (2 Arch)* -----	Johnson City, Tenn.
Leslie, G. S. (4 CE) -----	Newberry	Lyles, J. F. (4 Hort) -----	Winnboro
Lesslie, W. P. (1 Pre-Med)* -----	Rock Hill	Lynn, H. P. (3 Ag En) -----	Clemson
Levenson, B. (3 ME) -----	Brooklyn, N. Y.	Lynn, W. W. (2 A-Agron) -----	Filbert
Lever, M. D. (3 AH) -----	McConnellsville	Lyon, M. D. (4 A&S) -----	Johnston
Lever, O. R. (2 EE) -----	Charleston	Lyons, J. L. (2 TM) -----	Ridgeland
Levy, M. A. (3 Arch) -----	Naval Base	Lytle, D. G. (3 EE) -----	New York, N. Y.
Lewis, D. B. (2 A-AH) -----	Mullins	Lytle, T. E. (4 Ag Ec) -----	Anderson
Lewis, G. F. (4 A&S) -----	Orlando, Fla.	McAlistar, M. F. (4 TM) -----	Abbeville
Lewis, H. W. (1 A)* -----	Yonkers, N. Y.	McBride, L. M. (3 EE) -----	Parkersburg, N. C.
Lewis, J. O. (4 Chem) -----	Marion	McCall, B. G. (3 A&S) -----	Ellerbe, N. C.
Lewis, K. E. (3 AH) -----	Mullins	McCall, D. L. (2 A-Ag Ec)* -----	Hendersonville, N. C.
Lewis, L. L. (4 VAE) -----	Leesville	McCall, H. E. (1 A-AH) -----	Hendersonville, N. C.
Lewis, S. S. (1 VAE) -----	Leesville	McCants, J. G. (2 TM) -----	Winnboro
Lewis, T. W. (3 Chem) -----	Spartanburg	McCants, R. S. (3 AH) -----	Orangeburg
Lewis, V. E. (4 Arch) -----	Spartanburg	McCarey, G. H. (3 A&S) -----	Tallahassee, Fla.
Lewis, W. B. (1 T-TM) -----	Easley	McCaskill, M. J. (2 A-Agron) -----	Bethune
Lewis, W. H. (2 TM) -----	Pickens		
Leysath, H. H. (1 A-Agron) -----	North		

Name and Course	Address	Name and Course	Address
McCauley, J. P. (1 Ed)*	Washington, D. C.	McMahan, J. W. (3 TM)	Greenville
McClain, J. B. (2 TE)	Inman	McMeekin, T. C. (1 A)*	Glenside, Pa.
McClain, L. W. (4 TM)	Donalds	McMillan, C. M. (4 Ag En)	Anderson
McClain, W. F. (3 ME)	Honea Path	McMillan, D. W. (2 Ag En)	Mullins
McClamroch, W. C. (3 Arch)	Pascagoula, Miss.	McMillan, H. C. (2 Ar En)	Spartanburg
McClellan, H. H. (2 ME)	Anderson	McMillan, J. S. (3 Ag En)	Allendale
McClure, F. A. (3 EE)	Varnville	McMillan, J. W. (1 A-AH)	Latta
McClure, T. G. (3 TM)	Anderson	McMillan, L. L. (1 Arch)	Spartanburg
McCombs, C. W. (1 T-TM)*	Easley	McMillan, W. J. (1 E-Ag En)	Allendale
McCombs, J. W. (3 Ind Ed)	Greenwood	McPherson, P. (1 T-TM)*	Boiling Springs, N. C.
McConnell, F. M. (3 Ag Ec)	Seneca	McRae, C. K. (3 AH)	Gresham
McConnell, J. E. (2 A-AH)	Seneca	McRae, D. D. (4 A&S)	Florence
McConnell, J. H. (3 Ind Ed)	Anderson	McRae, W. E. (3 EE)	Bennettsville
McConnell, J. T. (2 ME)	Abbeville	McSwain, W. E. (4 TM)	York
McCormick, W. J. (1 VAE)*	North	McSwiney, T. L. (2 ME)	Jacksonville, Fla.
McCown, J. W. (4 Ag En)	Dalzell	MacDonald, P. F. (2 EE)	Charleston
McCoy, B. J. (4 CE)	Greenville	Mace, R. G. (4 Ag En)	Gresham
McCoy, D. W. (3 TM)	Lynchburg, Va.	Machen, R. H. (2 TM)	Greenville
McCoy, L. T. (2 Arch)	Belton	Mack, J. H. (2 Arch)	Garnett
McCoy, T. R. (2 Arch)	Anderson	Mack, O. F. (1 A)	Gaston
McCrary, R. K. (2 ME)	Greenville	Mack, T. E. (3 TM)	Union
McCravy, P. H. (3 TM)	Spartanburg	Mack, W. C. (1 E-ME)	Garnett
McCraw, T. F. (4 Ind Phys)	Gaffney	Mackay, G. C. (1 A)*	Orangeburg
McCulloch, J. I. (2 TM)	Gaffney	Mackay, J. R. (4 ME)	Orangeburg
McCurry, T. M. (3 Ch En)	Anderson	Mackenzie, M. B. (3 Arch)	Charleston
McDaniel, B. F. (3 ME)	Pickens	Maddox, C. J. (2 Ar En)	Gaffney
McDaniel, V. G. (4 Ind Ed)	Bennettsville	Maddox, H. M. (3 A&S)	Easley
McDonald, G. S. (2 TM)	Chester	Magill, H. F. (1 E-EE)	Concord, N. C.
McDonald, H. C. (3 Arch)	Brevard, N. C.	Mahaffee, J. W. (3 AH)	Gaffney
McDonald, H. M. (1 A-Agron)	Hartsville	Mahaffey, J. A. (4 EE)	Lancaster
McDonald, W. A. (2 Arch)*	Johnson City, Tenn.	Mallard, J. P. (3 CE)	Sumter
McDowell, W. L. (4 A&S)	Chester	Malphrus, L. D. (S)	Clemson
McElveen, C. D. (3 AH)	Columbia	Mandanis, G. P. (4 EE)	Spartanburg
McElveen, J. D. (1 A-Hort)	Lake City	Maner, R. P. (1 E-ME)	Bamberg
McElveen, M. F. (1 VAE)*	Florence	Maney, E. D. (3 Ag En)	West Asheville, N. C.
McFalls, D. L. (3 A&S)	Rutherfordton, N. C.	Mangan, D. J. (3 ME)	Springfield, Mo.
McGee, E. T. (1 E-Ag En)*	Anderson	Mangum, D. (1 A-AH)*	Spartanburg
McGee, G. E. (1 A)*	Anderson	Mann, M. E. (1 E-EE)*	Columbus, Ga.
McGill, J. N. (3 CE)	Anderson	Mann, T. C. (2 Pre-Med)	Greenville
McGinnis, J. S. (2 A-AH)*	Mooresboro, N. C.	Manning, W. M. (2 A-Agron)	White Oak
McGinty, R. A. (4 ME)	Clemson	Manos, J. P. (1 E-CE)*	Brooklyn, N. Y.
McGregor, S. E. (4 Dairy)	Lykesland	Manuel, J. H. (2 A-Hort)	Cayce
McGuire, H. N. (3 TC)	Greenwood	Mappus, E. R. (2 ME)	Naval Base
McGuirt, H. V. (3 TM)	Fort Mill	Mappus, F. J. (2 ME)	Charleston
McIlvain, R. C. (3 TM)	Greenwood	Marks, G. M. (2 ME)	Greenville
McIntyre, D. C. (4 TM)	Marion	Marlowe, W. H. (2 A-Agron)	McClellanville
McIntyre, J. B. (1 T-TM)	Arcadia	Marscher, W. F. (3 ME)	Beaufort
McJunkin, J. T. (1 A&S)*	Lancaster	Marshall, W. C. (3 VAE)	Heath Springs
McKay, A. S. (3 Dairy)	Hendersonville, N. C.	Marthers, W. C. (2 TM)	Winnsboro
McKay, D. B. (4 EE)	Winnsboro	Martin, C. B. (3 TM)	Greenville
McKay, R. (1 E-EE)	Washington, D. C.	Martin, C. H. (3 ME)	Aiken
McKay, W. (4 Dairy)	Hendersonville, N. C.	Martin, C. W. (1 A&S)	Belton
McKee, G. A. (1 E-CE)*	Mooresville, N. C.	Martin, E. H. (3 AH)	Conway
McKenzie, O. K. (1 VAE)	Mullins	Martin, E. M. (2 VAE)	Sumter
McKinnell, R. E. (1 E-ME)	Florence	Martin, H. C. (2 EE)	Anderson
McKinney, D. L. (2 TM)	Spartanburg	Martin, J. A. (1 E-ME)	Rock Hill
McKinney, H. E. (4 EE)	Greenville	Martin, J. H. (1 Chem)	Hartsville
McKinney, R. B. (1 T-TM)	Pickens	Martin, R. A. (4 Pre-Med)	Fort Mill
McLain, J. R. (3 VAE)	Chesterfield	Martin, R. M. (2 A&S)*	Tampa, Fla.
McLaurin, A. H. (2 A&S)	Bennettsville	Martin, S. J. (4 TM)	Atlanta, Ga.
McLaurin, J. F. (3 Pre-Med)	Bennettsville	Martin, T. A. (4 CE)	Griffin, Ga.
McLean, J. N. (2 EE)	Greenville	Mason, C. L. (1 A)*	Madison, Ga.
McLean, N. M. (1 A-AH)	Orangeburg	Mason, F. G. (3 A&S)	Mullins
McLendon, C. R. (2 A&S)	Columbus, Ga.	Mason, F. N. (1 E-TE)*	Aiken
McLeod, B. E. (3 EE)	Georgetown	Mason, G. E. (3 VAE)	Westminster
McLeod, G. T. (2 TM)	Greenville	Mason, H. D. (1 VAE)*	Westminster
McLeod, H. E. (2 ME)	Rembert	Mason, J. F. (4 Agron)	Westminster
McLeod, J. F. (1 A)*	Chesterfield	Mason, R. H. (4 VAE)	Pacolet Mills
McLeod, R. L. (3 ME)	Sumter	Mason, R. W. (1 T-TC)*	Rock Hill
McLain, R. E. (2 A-AH)	Ridgeland	Massey, R. D. (1 A-Hort)	Tiger, Ga.
McMahan, J. D. (2 TM)	Columbia	Massey, W. E. (4 Ar En)	Greenville
		Massingill, J. P. (1 E-TE)*	Pickens

Name and Course	Address	Name and Course	Address
Masters, W. H. (1 T-TM) -----	Easley	Mixon, A. P. (1 T-TM)* -----	Westminster
Mathews, R. D. (2 A-Dairy) -----	McKeesport, Pa.	Mixon, L. C. (2 TM) -----	Aiken
Mathias, W. L. (3 TC) -----	Lexington	Mixon, L. J. (1 E-ME)* -----	Greenville
Mathis, B. W. (2 TM)* -----	Pacolet Mills	Mize, L. (1 E-EE) -----	Walhalla
Matthews, D. M. (2 ME)* -----	Charlotte, N. C.	Mobley, G. A. (1 E-TE)* -----	Simpsonville
Matthews, J. (1 A-Agron) -----	Scranton	Moeller, A. F. (2 CE) -----	Moultrie, Ga.
Matthews, J. D. (1 Pre-Med)* -----	Coward	Moisson, G. M. (4 TC) -----	Greenville
Matthews, W. D. (2 A&S) -----	Manning	Moisson, W. C. (3 CE) -----	Greenville
Mattison, R. T. (4 A&S) -----	Aiken	Monroe, T. L. (3 Ag Ec) -----	Marion
Mattox, W. R. (2 A&S) -----	Columbia	Monroe, W. E. (1 A&S)* -----	Clemson
Mauldin, E. L. (1 E-EE)* -----	Easley	Montgomery, H. R. (4 Agron) -----	Woodruff
Mauldin, J. E. (2 CE)* -----	Anderson	Montgomery, J. H. (4 Agron) -----	Gable
Mauldin, W. A. (2 CE)* -----	Anderson	Montgomery, R. R. (4 Agron) -----	Woodruff
Maxfield, B. G. (2 A-AH) -----	Hodges	Montone, N. A. (3 EE) -----	Westminster
Maxwell, S. W. (1 E-ME)* -----	Charlotte, N. C.	Monts, D. D. (1 A-Agron) -----	Millen, Ga.
May, D. S. (3 A&S) -----	Calhoun Falls	Monts, R. M. (4 ME) -----	Millen, Ga.
May, J. D. (4 TE) -----	Ware Shoals	Moody, R. J. (1 E-ME) -----	Greenville
Mays, W. C. (3 Arch) -----	Fair Play	Moon, A. B. (3 CE) -----	Columbus, Ga.
Mays, W. M. (1 T-TM)* -----	Walhalla	Mooney, C. W. (2 A&S) -----	Starke, Fla.
Mayson, B. M. (4 Ag En) -----	Clemson	Mooneyhan, J. L. (1 E-TE) -----	West Columbia
Mayson, J. M. (2 VAE) -----	McCormick	Moore, A. L. K. (S)* -----	Sandy Springs
Meadows, H. F. (3 Agron) -----	Woodruff	Moore, E. T. (3 VAE) -----	Lake City
Meares, J. M. (4 Arch) -----	Nichols	Moore, E. W. (1 A-Ent)* -----	Westminster
Medlin, E. W. (2 A-AH) -----	Hartsville	Moore, H. E. (1 A-AH) -----	Effingham
Meek, M. W. (1 T-TM) -----	York	Moore, J. H. (4 TM) -----	Spartanburg
Melchers, R. T. (3 EE) -----	Mount Pleasant	Moore, J. P. (1 E-ME)* -----	Augusta, Ga.
Mellette, R. S. (1 Pre-Med)* -----	Florence	Moore, J. W. (4 EE) -----	Sumter
Melnyk, W. G. (2 Ar En) -----	Brooklyn, N. Y.	Moore, M. S. (1 Pre-Med) -----	Charleston
Melton, L. G. (2 A-AH)* -----	Lyman	Moore, P. N. (1 T-TM)* -----	Sumter
Melton, T. C. (4 VAE) -----	Chesterfield	Moore, R. L. (1 E-ME)* -----	Charlotte, N. C.
Menendez, R. I. (1 E-ME)* -----	Charleston	Moore, R. T. (3 VAE) -----	Piedmont
Mercer, W. E. (1 E-CE) -----	McClellanville	Moore, T. E. (1 T-TM)* -----	Central
Merchant, V. E. (2 Pre-Med) -----	Barnwell	Moore, U. B. (3 TM) -----	La France
Merck, E. W. (4 CE) -----	Central	Moore, V. O. (2 Pre-Med) -----	Lake City
Meredith, B. M. (1 T-TM) -----	Greenville	Moore, W. H. (4 A&S) -----	Sandy Springs
Meredith, J. R. (1 VAE) -----	Townville	Moore, W. L. (1 E-TE)* -----	Drayton
Merritt, H. C. (2 Arch) -----	Columbia	Moorhead, D. T. (1 T-TM)* -----	Pendleton
Merritt, J. W. (4 ME) -----	Greenville	Moorhead, L. J. (1 Ind Ed) -----	Anderson
Messervy, L. W. (1 E-EE)* -----	North Charleston	Moorman, W. C. (3 CE) -----	Florence
Metcalf, J. Q. (3 EE) -----	Greenville	Morgan, A. B. (3 CE) -----	New Orleans, La.
Metts, W. C. (3 VAE) -----	Brookings, S. Dak.	Morgan, H. D. (3 Ag Ec) -----	Seneca
Metz, W. W. (2 TM) -----	Iva	Morgan, J. H. (4 A&S) -----	Spencer, N. C.
Meyer, G. M. (1 E-EE) -----	Charleston	Morgan, L. R. (2 A-AH) -----	Central
Michael, M. G. (1 T-TC) -----	Linwood, N. C.	Morgan, L. V. (4 Ind Ed) -----	Albemarle, N. C.
Mickle, H. L. (3 TM) -----	Rock Hill	Morgan, M. J. (3 Ag Ec) -----	Seneca
Mickle, P. C. (4 TE) -----	Rock Hill	Morgan, M. L. (2 A-Agron) -----	Oakboro, N. C.
Miller, A. R. (3 VAE) -----	Lexington	Morgan, Thomas William (2 EE) -----	Tucapau
Miller, B. M. (3 Ind Ed) -----	Liberty	Morgan, Tom William, Jr. (1 E-EE)* -----	Clemson
Miller, C. D. (1 E-EE) -----	Charleston	Morrah, S. P. (2 TM) -----	Greensboro, N. C.
Miller, C. L. (3 TM) -----	Greenville	Morris, C. B. (2 TC) -----	Spartanburg
Miller, D. C. (3 Ind Ed) -----	Summerville	Morris, E. E. (4 A&S) -----	Pickens
Miller, D. O. (3 TE) -----	Chester	Morris, J. C. (3 Ar En) -----	Spartanburg
Miller, F. D. (2 TM) -----	Newberry	Morrison, A. H. (3 TM) -----	Great Falls
Miller, H. M. (4 TM) -----	Chester	Morrison, J. A. (1 E-CE)* -----	North Bridgton, Maine
Miller, Jack R. (3 A&S) -----	Georgetown	Morrow, B. R. (2 TE) -----	Spartanburg
Miller, James R. (4 VAE) -----	Erwin, Tenn.	Morrow, C. B. (3 EE) -----	Clover
Miller, J. S. (1 A-Dairy)* -----	Charlotte, N. C.	Morton, E. F. (1 E-CE) -----	Great Falls
Miller, J. Whit (1 Pre-For) -----	Seneca	Morton, E. L. (1 A&S)* -----	Charlotte, N. C.
Miller, John William (3 TM) -----	Greenville	Moss, E. M. (4 Ind Ed) -----	Seneca
Miller, John William, Jr. (1 E-EE)* -----	Greenville	Moss, J. M. (2 Chem)* -----	Cameron
Miller, R. J. (2 A-Poul)* -----	Atlanta, Ga.	Mosteller, G. W. (3 Ind Ed) -----	Greer
Millsap, J. E. (3 Ag Ec) -----	Gable	Mosteller, J. E. (3 VAE) -----	Gaffney
Mims, S. S. (1 E-TE)* -----	Baton Rouge, La.	Moyd, D. L. (3 TE) -----	Ninety Six
Mims, T. V. (3 TM) -----	Talladega, Ala.	Moyd, P. K. (2 Pre-Med) -----	Ninety Six
Minshaw, C. T. (2 Ind Ed) -----	Johns Island	Muckenfuss, A. A. (2 CE) -----	Florence
Mintz, W. H. (3 Ch En) -----	Fort Lawn	Muehsam, N. E. (1 T-TM)* -----	New York, N. Y.
Mitchell, J. B. (4 EE) -----	Saluda	Mull, M. D. (1 A-Ent) -----	Anderson
Mitchell, J. E. (3 EE) -----	North Augusta	Mullikin, J. A. (3 EE) -----	Pendleton
Mitchell, J. W. (1 E-CE)* -----	Walterboro	Mullikin, L. R. (1 A-Ag Ec) -----	Pendleton
Mitchell, L. A. (3 Ch En) -----	Folly Beach	Mullin, B. J. (2 VAE)* -----	Chadbourne, N. C.
Mitchell, L. S. (2 CE) -----	Walterboro	Mullinax, R. P. (2 TM) -----	Greenville
Mitchell, W. B. (3 A&S) -----	Charlotte, N. C.	Mullinnix, G. A. (1 T-TM) -----	Greenville
Mitchum, B. W. (4 VAE) -----	Smoaks		

Name and Course	Address	Name and Course	Address
Munn, N. R. (1 VAE)	Georgetown	Owens, R. S. (3 Ch En)	Clinton
Murphree, J. E. (4 VAE)	West Union	Owings, W. D. (4 EE)	Greenwood
Murphy, C. L. (1 E-ME)*	Portsmouth, Va.	Oxner, V. C. (4 TM)	Kinards
Murphy, E. J. (1 E-ME)	Augusta, Ga.	Pace, C. L. (3 TM)	Spartanburg
Murray, J. R. (1 T-TM)*	Summerville	Padgett, J. E. (2 Pre-Med)	Ridgeland
Myers, J. C. (2 TM)	Westminster	Padgett, W. M. (2 A&S)	Smoaks
Naismith, D. E. (1 E-ME)*	Savannah, Ga.	Page, L. C. (4 CE)	Asheville, N. C.
Nalley, L. J. (2 Ind Ed)	Easley	Paget, J. S. (4 Hort)	Greer
Neal, J. L. (3 TC)	Fort Mill	Palmer, N. O. (3 TE)	Norris
Neel, H. J. (2 A&S)	Owensboro, Ky.	Pamplin, H. O. (1 T-TM)*	McColl
Neeley, B. B. (3 Arch)	Columbia	Pardue, F. R. (3 TM)	Greenwood
Neely, B. R. (4 EE)	Rock Hill	Pardue, G. S. (4 ME)	Aiken
Neighbors, J. D. (1 A-Hort)	Beaufort	Parham, T. M. (2 A-Ag Ec)	Latta
Neighbour, O. J. (1 E-ME)*	Spartanburg	Paris, W. W. (1 Ar En)*	Keyser, W. Va.
Neister, A. F. (1 T-TM)	Spartanburg	Parish, D. R. (4 Ch En)	Dillon
Nelson, C. H. (2 ME)	Westminster	Park, G. R. (3 Ag En)	Winnsboro
Nelson, P. A. (3 Pre-Med)	Fountain Inn	Park, R. Y. (1 E-Ag En)*	Winnsboro
Nelson, V. W. (1 Ar En)*	Philadelphia, Pa.	Parker, C. A. (1 T-TM)*	Gaffney
Nettles, B. L. (1 E-EE)*	Charleston	Parker, C. Y. (3 Arch)	Cruger, Miss.
Neves, J. A. (4 VAE)	Taylors	Parker, H. M. (4 CE)	Sumter
Newman, G. W. (1 T-TM)	Columbia	Parker, J. H. (2 EE)	Norris
Newton, A. F. (1 Ind Ed)	Clemson	Parker, J. M. (4 Pre-Med)	Charleston
Newton, D. T. (3 Ind Ed)	Central	Parker, R. B. (1 E-CE)	Savannah, Ga.
Newton, E. (1 E-EE)*	Chester	Parker, R. P. (1 E-Ag En)*	Woodcliff, Ga.
Newton, J. B. (2 A-AH)	Myrtle Beach	Parker, W. C. (3 CE)	Hendersonville, N. C.
Newton, J. L. (1 E-Ag En)*	Cottageville	Parkins, J. A. (1 T-TM)	Greenville
Newton, P. B. (3 A&S)	Dillon	Parkman, H. D. (3 VAE)	Saluda
Nichols, C. M. (2 CE)	Leesville	Parnell, A. T. (1 VAE)	Hemingway
Nichols, C. S. (2 ME)	Newberry	Parnell, D. E. (3 Ch En)	Anderson
Nicholson, D. H. (1 E-CE)	Easley	Parnell, J. P. (1 T-TM)	Calhoun Falls
Nicholson, J. R. (3 VAE)	Westminster	Parnell, J. S. (1 T-TC)	Ware Shoals
Nicholson, R. W. (4 Arch)	Orangeburg	Parr, W. W. (2 A-Dairy)	Newberry
Nickles, W. A. (3 Ag En)	Hodges	Parrott, C. J. (2 TM)	York
Nipper, J. M. (4 TM)	Lowell, N. C.	Parsons, B. W. (2 ME)	Rock Hill
Niver, J. M. (1 T-TM)*	Bluffton	Parsons, M. O. (3 Pre-Med)	Hemingway
Nix, R. E. (3 EE)	Florence	Parsons, N. H. (1 Pre-Med)*	Georgetown
Nolte, F. E. (2 EE)	Charleston	Pate, H. R. (4 VAE)	Cassatt
Norman, A. W. (2 A&S)	Clemson	Patrick, E. M. (2 TM)*	Pacolet Mills
Norris, G. F. (4 Ind Phys)	Greer	Patrick, L. W. (S)*	Clemson
Norris, J. M. (1 E-TE)	Catechee	Patrick, W. M. (4 A&S)	Ruffin
Norris, W. M. (4 Ag En)	Vance	Patterson, A. L. (2 ME)	Spartanburg
Norton, J. P. (3 TE)	Pickens	Patterson, C. C. (2 TM)	Clemson
Norton, L. C. (1 A-Agron)	Dunbar	Patterson, C. W. (3 TE)	Spartanburg
Norton, L. N. (1 E-EE)*	Nichols	Patterson, I. N. (3 A&S)	Clemson
Norton, P. A. (2 ME)	Framingham, Mass.	Patterson, J. (2 Ar En)	Spartanburg
Norton, P. F. (1 E-TE)	McColl	Patterson, J. H. (1 E-TE)*	Anderson
Norton, R. E. (3 Ar En)	Florence	Patterson, J. V. (3 TM)	Clemson
Norwood, R. E. (4 ME)	Greenwood	Patterson, M. B. (4 TM)	Laurens
Nott, T. E. (3 ME)	Charlotte, N. C.	Patterson, N. W. (4 AH)	Saluda
Novit, B. J. (2 EE)	Charleston	Patterson, W. B. (2 Arch)	Abbeville
Nowell, J. G. (1 E-EE)	Charleston	Patterson, W. K. (3 EE)	Greenwood
Nowell, V. H. (3 Ar En)	Savannah, Ga.	Patton, B. C. (1 A-AH)	Fountain Inn
Nuckols, J. N. (1 T-TM)	Westminster	Patton, F. J. (3 Ag En)	Pisgah Forest, N. C.
Nunnery, H. F. (1 E-EE)*	Chester	Patton, R. E. (1 T-TM)	Fountain Inn
Oates, J. E. (1 A&S)	Easley	Pavia, J. F. (2 EE)	New Brunswick, N. J.
O'Brien, R. E. (2 A-Agron)	Eutawville	Payne, J. R. (1 Ed)*	Granite Falls, N. C.
Oliver, D. J. (2 Chem)	North Augusta	Payne, R. T. (4 EE)	Charlotte, N. C.
Olson, A. W. (3 A&S)	De Land, Fla.	Peake, H. L. (1 E-TE)*	Winnsboro
Olson, J. C. (1 E-TE)*	Decatur, Ga.	Peake, W. D. (3 Ar En)	Arlington, Va.
O'Neal, C. A. (1 A-AH)	Blenheim	Pearman, D. L. (2 EE)	Donalds
O'Neal, J. S. (1 A-AH)	Blenheim	Pearson, W. A. (2 ME)	Greenville
Onley, W. O. (2 ME)	Columbia	Pearson, W. D. (4 Ag En)	Woodruff
Opt, R. A. (2 TM)	Anderson	Peay, W. A. (3 VAE)	Pageland
Orders, J. B. (4 ME)	Greenville	Peebles, D. L. (3 A&S)	Hampton, Va.
Orr, J. C. (3 ME)	Asheville, N. C.	Peeler, J. G. (2 CE)	Asheville, N. C.
Orr, J. W. (2 ME)	Darlington	Peigler, C. T. (3 ME)	Greenville
Orr, R. H. (1 A-Dairy)*	Blackstock	Pellet, A. B. (3 CE)	Greenville
Ott, A. L. (1 Arch)	Columbia	Pendley, G. C. (1 E-TE)	Calhoun, Ga.
Outz, M. (2 A)	Fair Play	Penn, S. R. (3 Arch)	Anderson
Outz, J. E. (4 EE)	Callison	Pennell, J. E. (2 Chem)	Anderson
Owen, B. E. (3 Ind Ed)	Orangeburg	Pennell, R. H. (3 CE)	Spartanburg
Owen, W. B. (3 TM)	Greenville	Pennell, T. P. (1 E-CE)	Spartanburg
Owen, W. C. (S)	Central	Pepper, H. C. (4 AH)	Easley
Owens, L. F. (1 E-Ch En)*	Sumter	Perkins, D. B. (3 EE)	Savannah, Ga.

Name and Course	Address	Name and Course	Address
Perrell, D. C. (4 CE)	Winston Salem, N. C.	Prosser, B. E. (3 VAE)	Hyman
Perrette, C. L. (1 A&S)	Tampa, Fla.	Province, P. J. (4 Ch En)	Chattanooga, Tenn.
Perry, B. J. (4 EE)	Ridgeland	Pruette, R. L. (2 TE)	Monroe, N. C.
Perry, F. M. (1 E-CE)	Greenville	Pruitt, G. J. (3 TM)	Greer
Perry, R. L. (SG ME)	Columbus, Ga.	Pruitt, J. M. (3 Ag En)	Anderson
Perry, S. L. (4 Pre-Med)	Clemson	Pruitt, J. R. (3 TM)	Anderson
Perry, T. E. (3 TM)	Anderson	Pruitt, L. G. (3 TM)	Anderson
Perry, W. J. (1 Arch)	Timmonsville	Pruitt, L. H. (2 TM)	Anderson
Peters, A. H. (3 Ch En)	Summersville	Pruitt, M. R. (2 TM)	Anderson
Pettigrew, J. E. (4 Dairy)	Iva	Pugliese, V. A. (1 E-CE)*	Washington, D. C.
Pettigrew, J. W. (4 VAE)	Edgefield	Pulkinen, C. S. (4 A&S)	Charleston
Pettigrew, R. N. (2 Arch)	Tampa, Fla.	Pursley, J. M. (2 TM)	Clover
Pettit, S. L. (3 CE)	Pauline	Pusser, L. W. (3 TM)	Chesterfield
Philippsthal, H. F. (1 A&S)	North Charleston	Putnam, S. R. (PG Arch)	Greenville
Phillips, C. C. (3 EE)	Blackville	Quarles, R. R. (2 TM)	Abbeville
Phillips, H. G. (1 T-TM)	Walhalla	Quinn, E. W. (2 Ag En)	Spartanburg
Phillips, R. D. (1 Pre-Med)*	Kershaw	Quinn, J. M. (3 Arch)	Inman
Phillips, T. N. (1 Ar En)*	Walhalla	Rabon, W. J. (1 Arch)	Marion
Phillips, W. F. G. (1 Pre-Med)	Piedmont	Ragsdale, L. W. (4 A&S)	Blair
Pickens, C. L. (4 TM)	Anderson	Raines, R. M. (1 Arch)	Savannah, Ga.
Pickens, J. P. (4 VAE)	Madison	Rainsford, T. H. (3 Dairy)	Edgefield
Pierce, J. A. (1 T-TM)	Marietta	Rallings, E. M. (4 VAE)	Pageland
Pineckney, J. C. (4 Ag En)	Pritchardville	Ramsey, J. E. (1 T-TM)*	Gaffney
Pinson, J. T. (2 ME)	Anderson	Ramsey, P. E. (2 VAE)*	Gaffney
Pittman, E. H. (4 Ch En)	Bishopville	Randall, W. B. (3 EE)	Spartanburg
Pittman, G. L. (1 A-AH)	Myrtle Beach	Rappe, M. R. (2 EE)	Sumter
Pittman, J. F. (1 A-Ag Ec)	Seneca	Rash, M. C. (4 Pre-Med)	Lockhart
Pittman, R. E. (3 AH)	Dillon	Rauch, R. G. (4 CE)	Rock Hill
Pitts, C. T. (1 E-TE)	Clinton	Rauton, G. W. (4 AH)	Johnston
Pitts, J. H. (3 Agron)	Clinton	Ravenel, R. H. (1 A-AH)*	Sanford, Fla.
Pitts, P. M. (1 E-TE)	Clinton	Ravenel, W. F. (4 ME)	Sanford, Fla.
Plaxico, D. L. (3 ME)	Blacksburg	Rawl, H. B. (1 E-EE)*	Spartanburg
Plowden, A. D. (3 ME)	Davidson, N. C.	Rawls, C. H. (3 TE)	Rock Hill
Plunkett, R. W. (3 TM)	Clemson	Ray, S. B. (3 TE)	Williston
Plyler, C. D. (2 Ind Ed)	Lancaster	Rayle, R. F. (3 A&S)	Eastover
Plyler, D. B. (4 AH)	Monroe, N. C.	Reames, J. G. (4 Agron)	Bishopville
Poag, W. M. (3 TM)	Joanna	Reaves, B. M. (3 ME)	Bishopville
Poe, O. S. (2 ME)	Rock Hill	Redd, C. O. (2 ME)	Windsor
Ponder, W. R. (3 A&S)	Williston	Reddick, C. E. (2 TM)*	Sardis, Ga.
Poole, M. V. (4 ME)	Ware Shoals	Reed, A. J. (1 T-TM)	Whitmire
Poole, T. B. (2 TM)	Clemson	Reed, B. D. (1 E-Ag En)	North
Poole, W. M. (1 T-TM)*	Travelers Rest	Reed, W. H. (2 CE)*	Savannah, Ga.
Pope, J. M. (1 E-EE)	Naval Base	Reeder, W. T. (3 EE)	Laurens
Porter, R. B. (2 CE)	Winnsboro	Rees, J. H. (2 TE)*	Fayetteville, Tenn.
Porter, V. C. (3 VAE)	Williston	Reeves, A. N. (2 A&S)	Ravenel
Porter, W. M. (4 ME)	Charlotte, N. C.	Reeves, E. R. (3 A&S)	Branchville
Poscy, C. J. (1 E-TE)*	Catechee	Register, H. I. (1 E-CE)	Darlington
Poss, O. R. (1 E-ME)	Washington, D. C.	Reid, G. H. (1 Ar En)*	Greenwood
Poston, M. L. (2 A-Hort)	Hyman	Reid, G. P. (3 TM)	Greenville
Poston, R. L. (1 A)	Hyman	Reid, H. W. (2 ME)	Piedmont
Poston, W. C. (1 A)	Hyman	Rentz, G. H. (1 A)	Williamston
Potter, A. W. (3 CE)	Spartanburg	Rentz, W. H. (1 VAE)	Walterboro
Poulos, J. T. (3 Ar En)	Spartanburg	Revis, H. G. (2 TE)	Greenville
Powell, J. L. (4 AH)	Hartsville	Reynolds, H. M. (PG TC)	Edgefield
Powell, J. T. (1 Pre-Med)	Johnsonville	Reynolds, J. T. (3 A&S)	Johnstown, Pa.
Powell, L. H. (4 EE)	Washington, D. C.	Reynolds, L. D. (4 VAE)	Timmonsville
Powers, B. L. (2 TC)	Griffin, Ga.	Rhame, D. D. (1 Chem)	Denmark
Preacher, R. B. (1 A-AH)	Ridgeland	Rhea, M. R. (2 EE)*	Naval Base
Preacher, W. C. (2 A-AH)	Ridgeland	Rheny, T. B. (3 TM)	Spartanburg
Price, C. J. (2 EE)	Ninety Six	Rhodes, D. (1 A-Dairy)*	Estill
Price, C. N. (3 VAE)	Wolfston	Rhodes, R. H. (1 A-AH)	Effingham
Price, D. C. (2 A-AH)*	Gaffney	Rhynne, F. L. (3 TM)	Gastonia, N. C.
Price, G. R. (2 Arch)	Columbia	Rice, A. A. (4 Arch)	Anderson
Price, J. K. (2 A-AH)*	Gaffney	Rice, J. H. (2 A&S)	Charleston
Price, J. L. (3 AH)	Gaffney	Rice, M. A. (3 Ar En)	Florence
Price, J. T. (4 CE)	Starr	Rice, M. D. (2 A-Agron)	Kathwood
Price, M. E. (1 E-TE)	Ninety Six	Rice, P. R. (3 TM)	Anderson
Prince, E. W. (3 VAE)	Gurley	Rice, R. J. (4 Arch)	Anderson
Prince, J. H. (2 CE)	Abbeville	Richardson, B. C. (1 A&S)	Jonesville
Prince, P. H. (3 A&S)	Erwin, Tenn.	Richardson, B. G. (3 Pre-Med)	Pomaria
Prince, R. M. (1 E-Ag En)*	Lynchburg	Richardson, F. M. (4 TM)	Greenville
Prince, W. R. (1 A-AH)	Iva		
Probst, C. (S)*	Walhalla		

Name and Course	Address	Name and Course	Address
Richardson, H. C. (2 TM)	Greenville	Rowland, C. B. (2 TM)	Greenville
Richardson, R. G. (4 EE)	Florence	Royals, D. O. (4 Pre-Med)	Conway
Richardson, R. R. (1 A-AH)*	Apopka, Fla.	Rozier, C. M. (2 VAE)	Lake View
Richbourg, B. F. (4 CE)	Summerton	Rushton, H. G. (2 TE)	Greenville
Richbourg, J. A. (4 CE)	Summerton	Russell, R. R. (2 ME)	Columbia
Richbourg, J. B. (3 Pre-Med)	Union	Russell, S. T. (4 Ag En)	Jamestown
Richbourg, M. N. (2 Pre-Med)	Orangeburg	Russo, M. E. (3 CE)	New York, N. Y.
Richbourg, S. J. (1 A)*	Summerton	Rutledge, W. T. (3 TC)	Greenville
Richbourg, W. W. (4 A&S)	Union	Rutledge, W. W. (1 E-ME)*	Sumter
Richey, J. W. (2 TE)	Ware Shoals	Ryan, W. H. (3 EE)	Elizabeth, N. J.
Rickenbaker, T. C. (4 Arch)	St. Matthews	Ryan, W. T. (3 TE)	Naval Base
Riddle, B. W. (1 E-TE)*	Woodruff	Rye, C. L. (1 E-EE)*	Columbia
Riddle, C. O. (2 CE)*	Fountain Inn	Sadler, M. H. R. (4 Arch)	Rock Hill
Riddle, H. J. (4 Arch)	Charleston	Saline, M. H. (2 Arch)	Raleigh, N. C.
Riddle, L. (2 TM)	Greenville	Salisbury, E. T. (2 A-Dairy)	Summerville
Riddle, R. L. (1 T-TM)	Greenville	Salley, D. B. (1 E-ME)*	Saluda, N. C.
Ridenhour, G. C. (2 TM)	Greenville	Salley, G. P. (3 Agron)	Salley
Ridgeway, G. H. (1 A)	Greenville	Salley, J. R. (S)	Clemson
Ridgeway, J. L. (4 Chem)	Laurens	Salley, N. R. (3 Agron)	Salley
Riggins, W. R. (1 E-EE)	Easley	Salley, W. B. (4 A&S)	Orangeburg
Riley, F. S. (4 ME)	Hilton Village, Va.	Salter, H. D. (4 CE)	Walterboro
Rinehart, W. G. (3 AH)	Leesville	Sample, M. B. (4 Chem)	Greenwood
Ringer, A. W. (2 EE)	Newberry	Sandel, J. A. (4 CE)	Greenville
Riordan, J. E. (2 EE)	Walhalla	Sanders, C. B. (2 TM)	Anderson
Riser, C. W. (4 TC)	Columbia	Sanders, G. S. (3 Ar En)	Bamberg
Risher, E. D. (1 A-AH)	Ellenton	Sanders, J. D. (1 T-TM)*	Chester
Ritter, M. W. (2 ME)	Hickory, N. C.	Sanders, J. W. (3 Pre-Med)	Anderson
Rivers, J. C. S. (3 Ind Phys)	Johns Island	Sanders, K. R. (3 Arch)	Gaffney
Rivers, J. D. (4 CE)	Chesterfield	Sanders, K. T. (1 T-TM)*	Anderson
Robbins, C. M. (1 A-Agron)*	Dillon	Sanders, L. H. (3 Agron)	Union
Roberts, D. E. (2 VAE)	Chester	Sanders, L. W. (3 CE)	Gaffney
Roberts, E. W. (3 TE)	Ninety Six	Sanders, R. F. (3 EE)	Dalzell
Roberts, G. C. (1 E-EE)	Miley	Sanders, R. M. (1 A-Ag Ec)*	Frogmore
Roberts, J. V. (1 T-TM)	Rutherfordton, N. C.	Sanders, R. W. (4 Ag En)	Kline
Roberts, W. P. (2 A-Ag Ec)	Lugoff	Sanders, S. L. (3 EE)	Naval Base
Robin, B. (3 TM)*	Asheville, N. C.	Sanders, T. C. (2 VAE)	Yonges Island
Robinson, D. W. (2 TE)*	Troy	Sanders, W. D. (3 ME)	Anderson
Robinson, J. H. (4 EE)	Greenville	Sanderson, J. L. (1 A-AH)	Dillon
Robinson, J. M. (4 CE)	Rembert	Sansbury, R. R. (2 Ag En)*	Effingham
Robinson, L. H. (4 Ind Phys)	Greenville	Sapp, D. C. (1 A)	Monroe, N. C.
Robinson, R. E. (4 TM)	Greer	Sapp, E. F. (3 Ind Phys)	Albany, Ga.
Robison, C. (4 TM)	Asheville, N. C.	Sargent, F. H. (3 TM)	Spartanburg
Robison, M. A. (3 AH)	Donalds	Sarracino, J. J. (1 Ed)*	La France
Rochester, D. E. (3 ME)	Walhalla	Sarratt, J. H. (2 A-Agron)	Gaffney
Rochester, J. R. (2 Ind Phys)	Greenville	Satterfield, R. F. (1 E-EE)	Lyman
Rochester, R. M. (4 EE)	Walhalla	Saunders, A. W. (2 A)	Rutherford, N. J.
Rochester, W. F. (4 EE)	Walhalla	Saunders, C. E. (2 EE)	East Gastonia, N. C.
Rodgers, C. H. (1 A-Dairy)	Callison	Saunders, G. M. (1 A)	Dalzell
Rodgers, G. T. (1 A&S)*	Pittsburg, Pa.	Saunders, H. M. (1 E-Ag En)	Indiantown, Fla.
Rodgers, J. H. (4 Hort)	Charleston	Sawyer, W. B. (2 TM)	Johnston
Rogan, T. S. (1 A-Agron)	Greelyville	Saylors, A. E. (3 TM)	Ninety Six
Rogers, B. G. (4 Ag En)	Dillon	Scannell, W. H. (1 Chem)	Rock Hill
Rogers, C. L. (1 T-TM)*	Williamston	Scarborough, W. L. (1 E-EE)	Florence
Rogers, C. R. (3 TM)	Drayton	Schlock, A. A. (2 VAE)*	Westminster
Rogers, H. C. (2 A-Agron)	Dillon	Schofield, E. C. (2 Pre-Med)	Marion
Rogers, J. C. (3 CE)	Cowpens	Schrader, E. D. (3 TM)	Spartanburg
Rogers, J. W. (1 T-TM)	Hartsville	Schrader, M. W. (3 ME)	Spartanburg
Rogers, Ralph L. (3 EE)	Charleston	Schroder, W. J. (1 T-TM)	West Union
Rogers, Robert L. (2 TM)	Pelzer	Schuetzler, R. W. (1 T-TM)*	Elizabethton, Tenn.
Rogers, Russell L. (1 T-TM)*	Durham, N. C.	Schwiers, A. B. (2 A-Hort)	Greenville
Rogge, E. C. (1 A&S)	Summerville	Schwiers, W. (1 A-AH)	Greenville
Rohn, D. F. (1 E-ME)*	Dover, N. J.	Seifo, R. F. (2 CE)*	New York, N. Y.
Rollison, J. A. (4 CE)	Atlanta, Ga.	Scott, H. M. (3 Ag En)	Aiken
Roof, M. L. (2 TM)	Chester	Scott, James H. (1 E-EE)	Honea Path
Roper, D. P. (2 TM)	Spartanburg	Scott, John H. (4 EE)	Pritchard, Ala.
Rose, A. M. (4 Pre-Med)	Marion	Scott, R. B. (2 A-AH)	York
Rose, L. E. (3 ME)	Sardinia	Scott, S. L. (1 T-TM)*	Darlington
Ross, B. B. (4 EE)	Greer	Scruggs, C. B. (1 VAE)*	Shelby, N. C.
Ross, J. W. (3 Hort)	Greer	Scruggs, J. H. (1 T-TM)*	Spartanburg
Ross, R. H. (1 E-TE)	Prosperity	Scurry, W. H. (4 ME)	Edgefield
Roux, J. A. (1 A-AH)*	Spartanburg	Seaborn, D. K. (4 TE)	Walhalla
Rowe, O. R. (1 E-ME)	Charlotte, N. C.	Seaborn, G. B. (3 CE)	Central
Rowell, C. S. (4 Dairy)	Andrews		
Rowell, E. (1 A)*	Norway		

Name and Course	Address	Name and Course	Address
Seaborn, G. W. (3 VAE)	Walhalla	Sibley, W. H. (2 A)	Greenville
Seabrook, E. M. (3 CE)	Mount Pleasant	Sightler, C. W. (3 TM)	Greenville
Seago, B. M. (2 ME)	Vauluse	Sikes, B. R. (3 ME)	Spartanburg
Sears, W. B. (3 TM)	Clemson	Simmons, W. K. (1 E-EE)*	Oahu, T. H.
Sease, E. C. (1 E-ME)*	Columbia	Simonds, J. D. (4 ME)	Orlando, Fla.
Sease, F. D. (2 A-Agron)	Ehrhardt	Simons, G. R. (1 T-TM)	Charleston
Sease, W. C. (1 A)*	Ehrhardt	Simpson, C. S. (1 Chem)	Columbia
Sease, W. R. (4 VAE)	Lexington	Simpson, D. E. (2 ME)	
Seay, E. P. (4 CE)	Charleston		South Charleston, W. Va.
Sedberry, B. R. (4 Arch)	Hartsville	Simpson, D. M. (2 TC)	Knoxville, Tenn.
Seddon, F. (4 Ag Ec)	Boston, Mass.	Simpson, D. N. (4 CE)	Anderson
Segars, R. V. (4 Ag En)	Oswego	Simpson, E. P. (4 EE)	Greenville
Seigler, E. W. (4 TM)	Greenwood	Simpson, F. H. (3 TM)	Clinton
Seithel, M. B. (1 E-ME)	Charleston	Simpson, H. A. (1 A&S)	Gray Court
Self, R. C. (4 TM)	Greenville	Simpson, J. A. (2 A-Dairy)	Richburg
Selfridge, H. R. (3 A&S)	Lakeville, Conn.	Simpson, J. I. (4 Ar En)	Piedmont
Sellers, C. L. (4 VAE)	Mount Croghan	Simpson, J. J. (4 A&S)	Anderson
Sellers, J. R. (1 Arch)	Bath	Simpson, M. W. (4 ME)	Williamston
Senn, G. A. (2 EE)	Spartanburg	Simpson, R. E. (1 VAE)*	Lancaster
Senn, J. C. (4 EE)	Spartanburg	Simpson, R. M. (2 Ind Ed)	Columbia
Settle, D. C. (4 Hort)	Inman	Simpson, R. M. (1 T-TM)	Westminster
Settlemyer, J. W. (1 Arch)*	Rock Hill	Simpson, V. B. (3 TM)	Clinton
Setzer, J. L. (3 A&S)	Canton, N. C.	Simpson, W. (1 A-AH)*	Gastonia, N. C.
Severance, C. E. (4 Ag En)	Darlington	Sims, D. E. (4 Agron)	Lynchburg
Shadwell, H. C. (4 EE)	Columbia	Sims, J. L. (1 A-Hort)	Orangeburg
Shain, C. W. (2 TM)*	Paterson, N. J.	Sims, R. M. (2 A-Poul)	Spartanburg
Shands, E. B. (2 A-Dairy)*	Pauline	Singleton, W. C. (3 CE)	Pickens
Sharpe, J. D. (3 CE)	Gaston	Sipple, J. H. (4 EE)	Columbia
Shaw, R. E. (1 T-TM)	Seneca	Sistrunk, R. W. (4 TM)	Decatur, Ga.
Shaw, W. L. (1 E-ME)	Marion	Sites, N. R. (4 AH)	White Rock
Shealy, E. E. (2 VAE)	Gilbert	Skelton, C. (3 TM)	Anderson
Shealy, E. L. (2 Ar En)	Columbia	Skelton, R. R. (2 TM)	Atlanta, Ga.
Shealy, E. T. (1 T-TM)	Newberry	Skelton, T. E. (1 T-TC)*	Clemson
Shealy, H. L. (2 A-Hort)	Batesburg	Skerratt, J. D. (2 TE)	Cranford, N. J.
Shealy, J. P. (3 Ind Phys)	Orangeburg	Skinner, C. F. (3 TM)	Woodruff
Shealy, P. S. (3 A&S)	Batesburg	Skinner, P. B. (4 TE)	Ware Shoals
Shealy, R. N. (2 TM)	Columbia	Skornschek, T. E. (2 CE)	Tampa, Fla.
Shealy, W. L. (4 AH)	Gilbert	Slaten, H. W. (1 E-ME)	Williamston
Shearin, A. M. (2 EE)	Darlington	Slatery, J. G. (1 E-CE)*	Greenville
Shedd, G. R. (1 T-TM)	Winnboro	Sligh, R. C. (1 Arch)*	Greenwood
Sheffer, J. H. (2 ME)*	Niles, Ohio	Sloan, C. M. (1 E-Ag En)	Inman
Shehan, D. B. (1 E-TE)*	Pickens	Sloan, J. W. (2 TM)	Clemson
Sheider, A. L. (1 E-TE)*	Hendersonville, N. C.	Sloan, P. H. (4 A&S)	Walhalla
Shelley, E. H. (2 VAE)	Nichols	Sloan, W. A. (3 Arch)	Anderson
Shelley, L. B. (4 Agron)	Mullins	Small, R. L. (1 T-TM)*	Concord, N. C.
Shelley, R. (2 VAE)*	Nichols	Smarr, A. W. (2 Ind Ed)	Hickory Grove
Shelton, D. R. (4 ME)	Greenville	Smiley, R. L. (1 VAE)	Cades
Shelton, G. F. (2 Ind Ed)	Naval Base	Smith, B. B. (3 A&S)	Charlotte, N. C.
Shelton, G. L. (1 E-EE)	Greenville	Smith, B. C. (1 E-ME)*	Greenwood
Shepard, J. R. (4 Arch)	Washington, D. C.	Smith, B. M. (3 TM)	Columbia
Sherard, J. W. (3 EE)	Calhoun Falls	Smith, C. A. (1 A)*	Mooresville, N. C.
Sherard, S. (1 E-ME)	Toccoa, Ga.	Smith, C. B. (3 Arch)	Gaffney
Sherard, S. F. (2 VAE)	Calhoun Falls	Smith, C. F. (3 ME)	North Charleston
Sherer, D. G. (1 Arch)*	Columbia	Smith, C. H. (3 AH)	Spartanburg
Sherer, L. D. (4 CE)	Greenville	Smith, D. W. (1 VAE)*	Edgefield
Sheridan, W. M. (4 ME)	Spartanburg	Smith, E. A. (2 Ind Ed)	Spartanburg
Sherrell, H. L. (2 TM)	Cheraw	Smith, E. J. (3 TM)	Buffalo
Sherwood, E. C. (3 Pre-Med)	Dillon	Smith, G. C. (1 E)*	Washington, D. C.
Shields, J. M. (1 Arch)	Nashville, Tenn.	Smith, H. (3 Pre-Med)	Easley
Shillinglaw, D. H. (1 A-Ag Ec)*	Sharon	Smith, H. A. (4 Hort)	Greenville
Shillinglaw, J. R. (4 Ag Ec)	Sharon	Smith, H. C. (4 EE)	Spartanburg
Shirley, D. C. (2 EE)	Orangeburg	Smith, H. E. (3 TM)	Dover, N. C.
Shirley, J. H. (1 E-EE)	Gaffney	Smith, H. K. (3 ME)	Spartanburg
Shirley, J. L. (3 A&S)	Sandy Springs	Smith, H. L. (3 TM)	Conover, N. C.
Shockley, J. A. (2 ME)	Falls Church, Va.	Smith, H. M. (4 Chem)	Rock Hill
Shook, F. D. (3 TM)	Spartanburg	Smith, I. (4 VAE)	Pickens
Shoolbred, A. W. (4 CE)	Columbia	Smith, J. A. (4 AH)	Mullins
Shugart, W. H. (1 VAE)	Sumter	Smith, J. Bailey (3 ME)	Rock Hill
Shuler, J. O. (3 AH)	Holly Hill	Smith, J. Barber (1 E-ME)	Florence
Shuler, N. E. (3 Ag En)	Rembert	Smith, J. Brooks (1 T-TM)	Florence
Shuler, W. A. (2 Ag En)*	Rembert	Smith, J. Donald (2 Ag En)	West Union
Shuler, W. S. (1 E-CE)*	Sumter	Smith, J. Douglas (4 EE)	Union
Sibley, A. B. (2 A)	Greenville	Smith, J. E. (3 Dairy)	Spartanburg
Sibley, W. B. (1 E-TE)	Aiken	Smith, J. H. (2 VAE)	Moncks Corner

Name and Course	Address	Name and Course	Address
Smith, James O. (1 T-TM)*	Donalds	Stephens, J. H. (1 T-TM)	Greenville
Smith, Joe O. (4 CE)	Elberton, Ga.	Stephens, L. M. (1 Pre-For)*	Canton, N. C.
Smith, John R. (G Ag Ec)*	Hot Springs, Ark.	Stephens, W. M. (4 ME)	Abbeville
Smith, Joseph R. (1 T-TM)*	Westminster	Stevens, H. E. (1 A-Ag Ec)	Conway
Smith, J. S. (1 E-TE)*	Westminster	Stevens, J. E. (4 TE)	Spartanburg
Smith, K. (3 EE)	Duncan	Stevens, J. T. (3 Ind Phys)	Washington, D. C.
Smith, K. B. (2 A&S)	Savannah, Ga.	Stevenson, J. A. (3 ME)	Sumter
Smith, K. Y. (2 Arch)	Liberty	Stevenson, R. M. (1 A-AH)*	Charlotte, N. C.
Smith, L. B. (4 Agron)	Mullins	Stewart, C. D. (3 TM)	Clemson
Smith, L. S. (4 TM)	Greenville	Stewart, J. M. (2 ME)	Rock Hill
Smith, O. L. (2 CE)	Anderson	Stewart, J. W. (1 E-ME)*	Fountain Inn
Smith, R. C. (2 A-Agron)	Bishopville	Stewart, R. M. (S)*	Central
Smith, R. D. (3 ME)	Belton	Stewart, T. D. (4 Ar En)	Greenville
Smith, R. Earl (1 Pre-Med)	Mullins	Stewart, W. F. (1 VAE)*	Fountain Inn
Smith, R. Edwin (4 ME)	Greenville	Still, C. N. (4 Chem)	Greenwood
Smith, R. Elmer (3 ME)	Seneca	Stille, W. A. (1 E-ME)*	Conway
Smith, R. H. (1 A&S)	Columbia	Stoddard, B. R. (1 T-TM)	Prosperity
Smith, R. M. (1 Ar En)	Greenville	Stoddard, L. C. (1 VAE)	Fountain Inn
Smith, St. C. B. (2 TM)	Spartanburg	Stokes, A. T. (3 ME)	Greer
Smith, S. H. (1 E-ME)	Allendale	Stone, C. B. (2 TM)	Williamston
Smith, S. W. (2 TM)	Greenville	Stone, C. E. (4 EE)	Columbia
Smith, W. B. (2 VAE)*	Cades	Stone, H. N. (1 Arch)	St. Matthews
Smith, W. M. (2 A-AH)	Oakland, Calif.	Stone, J. D. (4 TM)	Rock Hill
Smith, W. W. (2 A-AH)	Bowman	Stone, W. L. (1 VAE)*	Pamplico
Smithwick, M. A. (4 A&S)	Chester	Stoudenmire, S. W. (2 VAE)	Lone Star
Smithwick, W. A. (4 Dairy)	Chester	Stoval, J. H. (2 CE)	Elberton, Ga.
Smoak, J. M. (2 A-AH)*	Pacolet	Stover, L. M. (2 Ag En)	Kershaw
Snead, J. D. (1 T-TM)*	Chester	Stribling, C. V. (3 A&S)	Seneca
Snee, J. J. (1 E-TE)*	New York, N. Y.	Stribling, H. L. (3 EE)	Charleston
Snell, A. W. (4 Ag En)	Elloree	Stribling, W. R. (3 A&S)	Pelzer
Snipes, J. R. (4 TM)	Greenwood	Strickland, C. H. (2 A-Dairy)	Oakboro, N. C.
Snipes, J. W. (3 A&S)	Marion	Strickland, G. M. (3 Ch En)	Concord, Ga.
Snoddy, S. T. (3 Arch)	Rockingham, N. C.	Strom, J. G. (3 TM)	McCormick
Snyder, P. (1 E-CE)	Spruce Pine, N. C.	Stroman, J. L. (4 TM)	Orangeburg
Sobocinski, R. J. (1 A&S)*	Pittsburgh, Pa.	Stroud, D. D. (3 ME)	Lyman
Sofge, J. F. (2 TM)	Graniteville	Stroud, H. D. (3 TE)	Richland
Sojourner, D. C. (4 ME)	St. George	Strug, J. P. (3 EE)	Union
Sompayrac, E. E. (1 A)*	Society Hill	Stuckey, G. (4 AH)	Bishopville
Sosa, D. (4 ME)	Clemson	Stuckey, J. F. (3 EE)	Hartsville
Soubeyroux, R. S. (2 Ar En)	Charleston	Stukes, O. L. (3 Pre-Med)	Manning
Sowell, J. B. (2 ME)	Asheville, N. C.	Sublette, R. A. (3 TM)	Westminster
Sowell, M. B. (2 VAE)	Elloree	Suddeth, J. A. (S)	Clinton
Sowell, T. F. (4 Ag En)	Chesterfield	Suggs, F. D. (3 TE)	Anderson
Sox, H. W. (2 TM)	West Columbia	Sullivan, M. W. (4 Agron)	Laurens
Spake, H. (1 E-EE)*	Greenville	Sullivan, S. B. (3 A&S)	Anderson
Spangenberg, J. L. (S)*	Clemson	Summer, F. J. (1 Arch)	Newberry
Sparks, E. G. (4 TM)	Gaffney	Summey, J. C. (1 T-TM)	Clemson
Spearmen, J. E. (4 TC)	Chattanooga, Tenn.	Sundberg, E. E. (1 T-TM)*	Reading, Pa.
Spender, G. W. (1 A-AH)*	Maplewood, N. J.	Sutherland, F. G. (1 T-TM)*	Spartanburg
Sperry, C. B. (3 TM)	Spartanburg	Sutton, B. K. (3 TM)	Greenville
Spiner, D. R. (4 Chem)	Tampa, Fla.	Swan, R. S. (1 E-ME)	Greenville
Spring, C. E. (3 Ag En)	Loris	Swearingen, W. R. (4 A&S)	Greenwood
Sprouse, E. B. (1 T-TM)	Travelers Rest	Sweatman, M. R. (2 TM)	Charleston
Squires, J. T. (1 A-AH)	Latta	Sweeney, H. C. (4 ME)	Anderson
Stabler, E. F. (3 EE)	North	Swett, J. A. (1 A)*	Dunbarton
Stacy, J. K. (4 Arch)	Savannah, Ga.	Swygert, H. B. (4 ME)	Greenville
Stallworth, W. H. (3 TM)	Spartanburg	Swygert, L. S. (3 AH)	Waterloo
Stalvey, A. D. (3 Pre-Med)	Georgetown	Taber, W. R. (3 EE)	Greenville
Stalvey, C. B. (1 Ed)	Conway	Tait, R. K. (1 E-ME)*	Brunswick, Ga.
Stamey, J. M. (3 Ag En)	Hartwell, Ga.	Talburt, W. C. (4 A&S)	Columbia
Stanaland, W. A. (1 VAE)	Ash, N. C.	Tankersley, C. E. (2 EE)	Augusta, Ga.
Standrod, S. E. (1 E-ME)	Georgetown	Tanner, J. P. (1 A-AH)	Hemingway
Stanley, F. B. (3 Agron)	Marion	Tarleton, H. H. (3 Arch)	Union
Stanley, G. F. (1 VAE)*	Loris	Tarrant, W. B. (2 EE)	Columbia
Stanley, J. A. (4 ME)	Sumter	Tarver, W. B. (4 Chem)	Savannah, Ga.
Stanley, L. M. (2 TM)	Conway	Tate, J. M. (2 A-AH)*	Gaffney
Stanley, T. E. (1 Arch)	Hampton	Taylor, A. P. (3 EE)	Charleston
Stanley, W. J. (1 E-TE)	Lancaster	Taylor, B. E. (3 TM)	Greer
Stanton, H. E. (1 T-TM)	Cheraw	Taylor, C. B. (2 ME)*	Lancaster
Starnes, W. H. (4 AH)	Salley	Taylor, C. C. (3 Ag Ec)	Greenville
Steadly, W. M. (3 Agron)	Bamberg	Taylor, C. E. (2 Ar En)	Lexington
Steele, E. L. (1 Ed)*	Harrisonburg, Va.	Taylor, E. G. (1 E-EE)	Columbia
Stegall, H. (1 E-EE)	Pendleton	Taylor, E. L. (2 ME)	Lexington

Name and Course	Address	Name and Course	Address
Taylor, G. E. (1 T-TM)*	Newnan, Ga.	Todd, R. M. (3 TM)	Anderson
Taylor, G. H. (4 Hort)	Gilbert	Todd, W. R. (1 E-ME)*	Greenville
Taylor, G. W. (1 T)*	Pelzer	Tolbert, J. A. (4 ME)	Greenville
Taylor, R. F. (2 VAE)	Gilbert	Tominack, I. L. (2 Ch En)*	Windsor Heights, W. Va.
Taylor, R. N. (3 TE)	Spartanburg	Tommie, W. J. (1 Pre-Med)	Mountville
Taylor, R. P. (3 CE)	Greenville	Tompkins, P. P. (2 ME)	Summerville
Taylor, W. F. (3 TC)	Charleston	Toney, C. C. (3 TM)	Richland
Taylor, W. M. (3 EE)	Anderson	Townes, J. H. (3 Arch)	Pickens
Teague, H. B. (1 A)*	Gaffney	Townsend, J. C. (2 Ag En)	Orlando, Fla.
TeBow, J. R. (3 Ind Phys)	Augusta, Ga.	Townsend, L. M. (4 CE)	Pisgah Forest, N. C.
Tecklenburg, H. (4 A&S)	Charleston	Townsend, R. E. (4 TM)	Laurens
Tedder, J. B. (2 EE)	Cherryville, N. C.	Trakas, P. N. (3 Pre-Med)	Spartanburg
Terry, A. M. (2 EE)	Iva	Tribble, R. M. (1 E-ME)*	Greenville
Tewkesbury, A. M. (4 CE)	Aiken	Triplett, J. T. (3 CE)	Chester
Tewkesbury, P. (4 Ind Ed)	Aiken	Tripp, P. D. (1 E-CE)	Greenville
Thayer, W. B. (1 E-ME)	Spartanburg	Trively, M. C. (S)*	Clemson
Thieker, F. H. (4 EE)	Georgetown	Trowell, L. M. (3 AH)	Lena
Thiele, H. J. (4 EE)	Charleston	Trueblood, L. C. (4 TM)	Asheville, N. C.
Thomas, C. A. (1 A-Ent)	Longs	Truesdale, G. G. (4 VAE)	Spencer, N. C.
Thomas, C. E. (1 E-CE)	White Hall	Truluck, T. D. (2 Pre-Med)	Union
Thomas, C. H. (2 Ag En)	Holly Hill	Turnage, L. W. (3 ME)	Hartsville
Thomas, C. T. (1 E-CE)*	Walhalla	Turner, A. N. (2 A&S)	Reidsville, N. C.
Thomas, E. H. (1 Ed)*	Walterboro	Turner, G. C. (1 E-EE)*	Marion
Thomas, J. H. (1 E-CE)	Trion, Ga.	Turner, H. C. (2 EE)	Greenville
Thomas, J. L. (3 Ar En)	Dillon	Turner, H. E. (3 Ar En)	Greenville
Thomas, J. W. (1 E-Ch En)*	Walhalla	Turner, J. H. (2 ME)	Spartanburg
Thomas, R. T. (4 Arch)	Houston, Tex.	Turner, J. T. (4 EE)	Winnsboro
Thomas, W. F. (3 TM)	Calhoun Falls	Turner, M. N. (2 TM)	Spartanburg
Thomas, W. H. (4 A&S)	Greenville	Turner, T. H. (1 Arch)	Greenville
Thomas, W. N. (1 E-TE)*	Brunswick, Ga.	Turner, T. J. (S)	Clemson
Thomason, J. M. (3 CE)	Toccoa, Ga.	Turner, T. P. (2 Ar En)	Gaffney
Thompson, A. L. (3 Ind Phys)	Anderson	Turner, W. B. (3 Ind Ed)	Blacksburg
Thompson, C. A. (2 Pre-For)	Georgetown	Turner, W. W. (3 Ag En)	Travelers Rest
Thompson, G. A. (4 ME)	Sumter	Tuten, C. R. (2 A-AH)	Ridgeland
Thompson, G. N. (3 TC)	Langley	Tyler, H. H. (3 TC)	Aiken
Thompson, H. E. (4 TM)	Honea Path	Tyler, H. K. (1 E)*	Hampton, Va.
Thompson, H. H. (1 T-TM)	North Augusta	Uldrick, G. E. (4 TM)	Donalds
Thompson, H. T. (4 EE)	Columbia	Uldrick, J. P. (3 CE)	Donalds
Thompson, J. C. (2 TM)	Honea Path	Uldrick, R. C. (4 Ag En)	Donalds
Thompson, J. D. (4 EE)	Greenville	Ullnick, B. (3 TM)	Paterson, N. J.
Thompson, J. R. (1 T-TM)	Washington, D. C.	Ulmer, C. O. (4 CE)	Elloree
Thompson, J. T. (2 EE)*	Charlotte, N. C.	Ulmer, C. R. (2 TM)	Greenville
Thompson, J. V. (1 Ed)*	Saxonbury, Pa.	Ulmer, F. S. (2 EE)	Brunson
Thompson, James W. (2 ME)	Columbia	Ulmer, H. E. (3 Chem)	Hartsville
Thompson, John W. (4 Arch)	Williston	Ulmer, J. S. (2 A-Agron)	North
Thompson, N. S. (2 ME)	Greenville	Upright, C. M. (1 E-ME)*	Mooresville, N. C.
Thompson, O. L. (1 E-EE)*	Charlotte, N. C.	Vaigneur, H. O. (1 E-Ag En)*	Ridgeland
Thompson, O. N. (3 A&S)	Columbia	Valentine, J. G. (1 A-Dairy)	Cope
Thompson, R. B. (1 E-TE)*	Walterboro	Vanadore, H. E. (1 T-TM)*	Anderson
Thompson, W. C. (2 TM)	Greenwood	Vance, C. E. (1 E-EE)*	Greenville
Thompson, W. L. (1 T-TC)*	Honea Path	VanderSchans, P. A. (2 Arch)*	Glenn Ridge, N. J.
Thorne, W. C. (3 EE)	Sumter	Van Ham, R. N. (2 TM)*	Auburn, Maine
Thornton, E. C. (4 TC)	Spartanburg	Van Hook, E. (2 Ch En)	Atlanta, Ga.
Thruston, M. G. (1 T-TM)	Greenville	Vansant, F. B. (2 VAE)	Leesville
Tice, N. R. (1 T-TM)*	Brooklyn, N. Y.	Vanadore, W. E. (1 VAE)	Westminster
Till, C. E. (3 VAE)	Ruffin	Varnier, J. F. (2 TM)	Ashland, Ga.
Till, H. G. (2 EE)	Orangeburg	Varnier, J. R. (1 T-TM)	Buffalo
Tiller, H. W. (4 Agron)	Maysville	Vassey, W. R. (1 A&S)	Marietta
Tiller, J. W. (1 A-Agron)	Maysville	Vaughan, O. H. (2 ME)	Seneca
Tilley, H. (1 T-TM)*	Calhoun Falls	Vaughn, E. M. (4 EE)	Greenville
Timmerman, D. S. (3 EE)	Augusta, Ga.	Vaughn, W. D. (3 Ar En)	Union
Timmerman, G. R. (2 A&S)	Charleston	Vause, R. Z. (S)	Clemson
Timmons, J. K. (4 CE)	Piedmont	Veal, C. D. (3 ME)	Cedartown, Ga.
Timmons, R. L. (1 Arch)*	Rock Hill	Vehorn, B. L. (3 ME)	Boston, Mass.
Timms, S. M. (3 TE)	Anderson	Vermillion, R. J. (3 VAE)	Ware Shoals
Tinsley, E. S. (1 E-TE)	Hodges	Vernon, R. J. (3 Ind Ed)	Greenville
Tinsley, J. A. (3 Ind Ed)	Fort Mill	Vick, W. T. (2 EE)	Lancaster
Tisdale, W. M. (3 TM)	Sumter	Vickery, A. V. (4 ME)	Hartwell, Ga.
Tison, J. A. (1 Pre-Med)	Bennettsville	Vickery, K. N. (S)	Clemson
Tobin, H. M. (3 TC)	North Charleston	Vickery, L. L. (1 Pre-Med)*	Central
Todd, B. E. (1 Pre-For)*	Tampa, Fla.		
Todd, J. N. (3 ME)	Washington, D. C.		
Todd, L. O. (4 TE)	Fairfax		

Name and Course	Address	Name and Course	Address
Vinson, J. L. (3 TM)	Union	Weed, H. F. (3 Hort)	Irmo
Volk, L. R. (4 TM)	Long Island, N. Y.	Weeks, C. J. (4 Ind Ed)	North Augusta
von Glahn, E. H. (2 Arch)	Charleston	Weeks, P. H. (1 E-Ag En)	Aiken
Von Harten, C. H. (2 ME)	Beaufort	Weeks, T. J. (4 ME)	Charleston
Von Kaelen, J. C. (2 ME)	Monroe, Wis.	Weinheimer, C. A. (3 ME)	Charleston
Vuksta, C. (2 ME)	Hellertown, Pa.	Weir, F. J. (4 TM)	Newberry
Waddell, R. B. (4 Ch En)	Charlotte, N. C.	Weisner, L. E. (4 EE)	Laurens
Wade, D. A. (1 E-ME)*	Spartanburg	Welborn, D. T. (2 A-AH)	Chester
Wade, J. D. (1 T-TM)	Lenoir City, Tenn.	Welch, W. L. (2 Bot & Pre-For)	Georgetown
Wade, R. W. (3 ME)	Greenville	Weldon, R. D. (1 E-CE)	Charleston
Wagner, N. P. (4 ME)	Newark, N. J.	Wells, E. R. (1 E-ME)	Gaffney
Wald, E. C. (4 TM)	Seneca	Wells, J. D. (1 A&S)	Sumter
Walden, C. M. (3 Ag En)	Landrum	Welter, J. F. (2 A)	Greenville
Walker, A. W. (1 A&S)	McDonough, Ga.	Wenck, F. W. (1 Pre-Med)*	Fountain Inn
Walker, C. T. (3 A&S)	Summerton	Wendell, H. P. (1 T-TM)	New York, N. Y.
Walker, H. O. (3 Ar En)	Union	Wertz, J. D. (1 Arch)*	Saluda
Walker, H. P. (3 Pre-Med)	Fort Mill	Wessinger, H. O. (1 A-Dairy)	West Columbia
Walker, J. T. (4 VAE)	Manning	Wessinger, J. E. (3 A&S)	Leesville
Walker, W. H. (1 E-TE)*	Laurens	Wessinger, N. C. (3 A&S)	Springfield
Walker, W. S. (2 VAE)	Blackville	West, A. E. (4 TE)	Greenville
Wall, M. H. (2 A-Hort)	Lyman	West, C. E. (1 T-TM)	Spartanburg
Wallace, J. W. (3 A&S)	Central	West, H. S. (3 TM)	Union
Wallace, O. L. (4 AH)	Dillon	West, J. R. (4 Poul)	Spartanburg
Walpole, J. L. (3 CE)	Frogmore	West, R. K. (2 VAE)	Cameron
Walser, J. F. (3 TE)	Salisbury, N. C.	West, W. E. (4 ME)	Greenville
Walsh, A. A. (1 E-EE)*	West Englewood, N. J.	West, W. F. (4 EE)	Spartanburg
Walters, D. M. (1 E-CE)	Salisbury, N. C.	Westbrook, R. A. (3 VAE)	Blacksburg
Walters, H. R. (1 E-ME)*	St. George	Westbury, H. M. (2 Pre-For)	McColl
Walton, G. T. (3 A&S)	Belton	Westbury, J. A. (1 E-Ch En)	Georgetown
Walton, W. L. (3 ME)	Ellenton	Westmoreland, C. H. (1 E-CE)*	Westminster
Waltz, M. R. (1 E-EE)	Barnwell	Westmoreland, R. N. (3 TC)	Winston Salem, N. C.
Wannamaker, R. L. (1 E-ME)*	Columbia	Westmoreland, R. W. (3 TE)	Greenville
Wannamaker, W. F. (4 ME)	Columbia	Westmoreland, W. A. (3 VAE)	Clover
Ward, A. G. (4 TM)	Greenville	Whall, R. F. (PG Ch En)	San Juan, P. R.
Ward, G. E. (2 TM)*	Badin, N. C.	Wham, R. D. (3 Agron)	Mountville
Ward, N. J. (2 EE)	Andrews	Wheatley, L. M. (2 A&S)	Kathwood
Ward, T. (2 Ch En)	McClellanville	Wheless, H. H. (2 Ag En)	Thomaston, Ga.
Ward, W. A. (4 CE)	Darlington	Whetstone, W. V. (2 TM)	Denmark
Ward, W. B. (4 Pre-Med)	Rock Hill	Whitaker, H. H. (3 Dairy)	Clinton
Ware, A. L. (2 EE)	Greenville	Whitaker, R. L. (3 TE)	Union
Ware, C. B. (2 A-Ag Ec)*	Due West	White, A. C. (2 A-Ent)	Clearwater, Fla.
Ware, M. T. (2 EE)	Iva	White, D. R. (1 T-TM)*	Scranton
Warman, L. H. (1 T-TM)*	Danville, Ind.	White, H. M. (4 Ag En)	Charlotte, N. C.
Warner, C. H. (3 Ag En)	Wagener	White, J. C. (1 E-CE)	Inman
Warner, C. K. (PG Ar En)	Louisville, Ky.	White, J. L. (4 Agron)	McCormick
Warner, R. E. (3 AH)	Florence	White, L. G. (2 ME)	Gaffney
Warren, T. A. (3 AH)	Prosperity	White, L. I. (1 E-ME)*	Florence
Warrick, A. E. (3 TM)	Old Hickory, Tenn.	White, L. W. (4 Ed)	Easley
Washington, E. J. (1 T-TM)	Pelzer	White, M. W. (3 ME)	Charlotte, N. C.
Waters, J. D. (2 TM)	Johnston	White, P. J. (4 TM)	Greenville
Watkins, F. M. (2 EE)	Greenville	White, R. H. (2 ME)*	Charlotte, N. C.
Watkins, G. L. (1 VAE)	Hartsville	White, T. E. (2 Chem)	Anderson
Watkins, J. M. (S)	Clemson	White, W. C. (4 AH)	Chester
Watkins, W. E. (3 CE)	Greenville	White, W. P. (2 EE)	Greenville
Watson, A. I. (4 EE)	Greenville	Whitehead, C. J. (1 E-TE)	Greenville
Watson, A. W. (3 CE)	Easley	Whitehead, L. E. (3 A&S)	Gainesville, Ga.
Watson, H. J. (3 EE)	Anderson	Whitesides, H. S. (1 E-EE)	Chester
Watson, M. C. (3 Pre-Med)	Ridge Springs	Whitfield, N. C. (1 T-TM)	Townville
Watson, R. O. (4 A&S)	Blaney	Whitlaw, J. L. (3 ME)	North Augusta
Watson, S. J. (1 Arch)*	Florence	Whitmire, F. L. (1 A)	Seneca
Watson, W. C. (1 A-Ag Ec)	Conway	Whitmire, J. B. (2 VAE)	Griffin, Ga.
Watt, E. B. (PG Arch)*	Hartsville	Whitmire, J. D. (1 T-TM)*	Johnson City, Tenn.
Watt, F. L. (1 T-TM)*	Pelzer	Whitmire, R. J. (2 A&S)	Asheville, N. C.
Watts, A. H. (1 E-ME)	Greenville	Whitmire, T. E. (2 Ar En)	Asheville, N. C.
Way, R. E. (3 ME)	Branchville	Whitten, D. L. (1 T-TM)	Pell City, Ala.
Wayne, H. S. (4 EE)	Charleston	Wicker, A. R. (1 E-ME)*	Newberry
Weaver, G. E. (1 E-TE)	Darlington	Wickham, F. L. (1 T-TM)*	Charlottesville, Va.
Webb, C. (4 CE)	Beaufort	Wiggins, R. F. (4 A&S)	Mullins
Webb, E. W. (2 TM)	Marion		
Webb, F. T. (2 A&S)	Union		
Webb, J. E. (1 E-ME)*	Hazel Green, Ala.		
Webster, R. E. (1 Pre-Med)	Moncks Corner		

Name and Course	Address	Name and Course	Address
Wilbanks, A. T. (4 TM)	Laurens	Wise, J. F. (4 AH)	McCormick
Wilds, G. J. (2 A-Agron)*	Hartsville	Wise, K. C. (2 TM)	Prosperity
Wiley, H. S. (2 ME)*	McCormick	Wise, L. M. (3 TM)	Greenville
Wilk, J. P. (4 Arch)	East Port Chester, Conn.	Withington, J. M. (4 TC)	Greenville
Wilkerson, F. M. (4 A&S)	Hickory Grove	Witt, D. H. (2 EE)	Swansea
Wilkerson, J. S. (3 Ind Phys)	Hickory Grove	Witt, L. H. (1 E-ME)*	Swansea
Wilkerson, R. E. (2 VAE)	Hickory Grove	Wolfe, G. A. (2 VAE)	Inman
Wilkie, W. J. (1 E-EE)*	Summerton	Wolfe, R. M. (2 EE)	Rock Hill
Wilkins, R. I. (4 Arch)	Florence	Wolfe, T. M. (3 TE)	Orangeburg
Willard, C. D. (4 ME)	Whitmire	Womack, G. T. (4 Chem)	Cheraw
Williams, C. D. (1 E-TE)	Lancaster	Wood, A. L. (2 TE)	Newberry
Williams, Carroll F. (2 ME)	Landrum	Wood, A. W. (4 Ar En)	Greenville
Williams, Clarence F. (3 EE)	Orangeburg	Wood, J. C. (4 ME)	Chester
Williams, D. B. (1 A-Ag Ec)*	Landrum	Wood, J. H. (1 E-ME)*	North Charleston
Williams, D. D. (4 TE)	Georgetown	Wood, J. R. (1 T-TM)	York
Williams, J. A. (2 VAE)*	Naval Base	Wood, L. A. (3 TM)	Ware Shoals
Williams, J. E. (4 Arch)	Spartanburg	Wood, M. M. (4 CE)	Greer
Williams, J. F. (3 Agron)	Dacusville	Wood, R. J. (1 Ar En)*	Marion
Williams, J. K. (1 E-TE)	McBee	Wood, W. A. (4 A&S)	Greenwood
Williams, J. S. (3 TM)	Anderson	Wood, W. H. (4 ME)	Gray Court
Williams, J. W. (3 ME)	Spartanburg	Woodcock, F. E. (3 Ag Ec)	Pelzer
Williams, L. E. (2 Ar En)	Toccoa, Ga.	Woodfin, J. W. (1 E-Ag En)	Inman
Williams, L. P. (4 EE)	North Augusta	Woodham, B. G. (3 Arch)	Monticello, Ark.
Williams, R. N. (2 TM)	Spartanburg	Woodle, H. A. (2 Ch En)	Clemson
Williams, R. R. (4 VAE)	Swansea	Woods, S. G. (1 A-Hort)	Greenville
Williams, V. K. (1 VAE)	Swansea	Woodward, A. Q. (2 Chem)	Aiken
Williams, W. B. (S)	Clemson	Woodward, N. E. (1 E-Ag En)*	Aiken
Williamson, D. M. (2 ME)	Naval Base	Woollen, C. L. (2 ME)	Atlanta, Ga.
Williamson, J. A. (1 Arch)*	Naval Base	Wooten, L. E. (2 Ch En)	Greenville
Williamson, J. G. (2 TE)	Timmonsville	Workman, R. R. (4 Arch)	Charlotte, N. C.
Williamson, M. L. (2 TM)	Whitmire	Worley, C. D. (1 A&S)	Washington, D. C.
Williamson, N. E. (3 AH)	McConnellsville	Worley, S. (4 Agron)	Windsor
Williamson, W. T. (1 A-Dairy)*	Naval Base	Worth, H. P. (2 TE)	Greenville
Willimon, C. P. (3 Poul)	Greenville	Worth, W. T. (1 E-TE)*	Greenville
Willis, A. E. (2 TM)	Chicopee, Ga.	Worthy, H. R. (3 ME)	Lockhart
Willis, R. R. (2 TM)	Gaffney	Wright, B. C. (1 E-EE)	Belton
Willis, S. M. (2 TM)	Greenwood	Wright, F. D. (3 CE)*	Asheville, N. C.
Wilson, C. T. (3 A&S)	Allendale	Wright, F. L. (1 E-EE)	Chester
Wilson, C. W. (3 Ag En)	Landrum	Wright, G. C. (4 EE)	Seneca
Wilson, D. N. (2 CE)	Greenville	Wright, J. T. (1 Arch)*	Rock Hill
Wilson, E. L. (1 T-TM)	Springfield	Wright, T. S. (1 E-CE)*	Sumter
Wilson, F. O. (1 T-TC)	Lyman	Wrightenberry, E. G. (1 T-TM)*	Burlington, N. C.
Wilson, H. W. (1 T-TM)	Greenville	Wylie, W. C. (1 T-TC)*	Rock Hill
Wilson, J. (4 TC)	Anderson	Wylie, W. L. (2 TE)	Winnabow
Wilson, J. C. (2 EE)	Greenville	Wylie, W. O. (2 TM)	Chester
Wilson, J. F. (1 E-ME)	Newberry	Wyly, J. C. (3 TM)	Anderson
Wilson, J. H. (1 T-TM)	Blacksburg	Wyndham, E. G. (3 AH)	Moncks Corner
Wilson, J. K. (3 A&S)	Wellford	Wyndham, S. F. (2 A-AH)	Moncks Corner
Wilson, L. E. (2 TM)*	Spartanburg	Wyse, J. A. (2 TE)	Spartanburg
Wilson, M. C. (3 CE)	Darlington	Yarborough, F. K. (3 ME)	Mooreboro, N. C.
Wilson, M. M. (1 E-Ag En)*	Columbia	Yarbrough, D. R. (3 TM)	York
Wilson, R. G. (1 E-EE)	Greenwood	Yarbrough, J. R. (2 Arch)	Salisbury, N. C.
Wilson, T. C. (1 E-ME)*	Greenwood	Yeargin, G. A. (3 Arch)	Anderson
Wilson, T. D. (2 A-Ag Ec)	Cades	Yeargin, R. H. (4 CE)	Gray Court
Wilson, V. W. (1 A-Poul)*	Columbia	Yecko, G. F. (2 Arch)	McDonald, Pa.
Wilson, W. F. (4 CE)	Greensboro, N. C.	Yobs, R. L. (3 TM)	Columbia
Wilson, W. L. (3 TM)	Williamston	Yonce, J. E. (4 AH)	Johnston
Winburn, W. C. (3 VAE)	Hartsville	Young, E. R. (3 TM)	Honea Path
Windsor, W. D. (2 TM)	Pell City, Ala.	Young, S. P. (3 Ag En)	Dalzell
Wingard, H. C. (3 ME)	Lexington	Zakim, G. (2 Arch)*	Paterson, N. J.
Wingate, W. H. (4 Ch En)	Fairhaven, Mass.	Zeigler, J. T. (4 CE)	Cope
Wingo, B. W. (1 E-ME)	Spartanburg	Zouras, P. S. (2 EE)	Greenwood
Winn, J. C. (2 VAE)*	McCormick		

## SUPPLEMENTARY LIST OF STUDENTS

## SECOND SEMESTER, 1948-1949

Name and Course	Address	Name and Course	Address
Adair, J. L. (4 AH) -----	Clinton	Collins, M. A. (1 Ind Ed) -----	Walhalla
Addabbo, D. J. (1 Arch)* -----	New York, N.Y.	Conway, J. W. (3 EE) -----	Somerville, Mass.
Aimar, L. B. (2 Ar En)* -----	Charleston	Cook, J. C. (S) -----	Clemson
Akers, M. F. (1 A&S)* -----	Atlanta, Ga.	Cook, J. W. (1 E-EE)* -----	Seneca
Allen, H. F. (2 A-Agron) -----	Latta	Cornette, J. J. (3 Pre-Med) -----	Morristown, Tenn.
Allen, L. R. (1 VAE)* -----	Kings Creek	Cornwell, J. B. (2 TM)* -----	Great Falls
Anagost, N. P. (1 E-CE)* -----	Greenwood	Cornwell, J. C. (3 AH) -----	Leeds
Anderson, J. H. (2 A&S) -----	Chester	Covington, D. H. (1 Pre-Med) -----	Burnsville, N. C.
Anderson, R. B. (3 Poul)* -----	Sleepy Eye, Minn.	Cox, C. D. (2 TM) -----	Albany, Ga.
Andrews, L. R. (3 Ind Ed) -----	Elliott	Cox, J. M. (2 Arch)* -----	Kingsport, Tenn.
Andryaitis, A. J. (2 TM) -----	Pittsburgh, Pa.	Craig, J. T. (2 Ag En) -----	Pickens
Angle, D. T. (2 A&S)* -----	East Gastonia, N. C.	Crawford, G. E. (1 Arch)* -----	Gray Court
Armstrong, J. W. (1 A&S)* -----	Augusta, Ga.	Crawford, L. J. (2 TM)* -----	Union
Arthur, R. A. (PG CE)* -----	Spartanburg	Creech, E. R. (2 TM) -----	Spartanburg
Ashmore, R. L. (1 Ind Ed) -----	Greenville	Crisanti, J. W. (4 A&S) -----	Manasquan, N. J.
Askins, S. E. (2 Ch En) -----	Kingstree	Croke, T. M. (2 CE)* -----	Philadelphia, Pa.
Bailey, T. A. (1 A-AH)* -----	Naval Base	Crouch, R. E. (1 A&S)* -----	St. Petersburg, Fla.
Baker, L. K. (2 Pre-Med) -----	Sumter	Culberson, C. K. (1 TM) -----	Shannon, Ga.
Ballentine, G. W. (1 TM)* -----	Blythewood	Davis, B. W. (2 TM) -----	Greenville
Bedell, D. M. (3 A) -----	Ridgeland	Davis, R. A. (1 E-TE)* -----	Greenville
Bedingfield, B. H. (1 E-TE)* -----	Greenville	Day, J. E. (2 Ind Ed) -----	Chester
Beery, T. W. (1 E-ME)* -----	Pooler, Ga.	Deering, G. F. (1 E-ME)* -----	Anderson
Bell, R. R. (1 TM)* -----	Pelzer	Dellinger, D. F. (1 E-CE) -----	Moncks Corner
Beller, E. J. (1 E-ME)* -----	Washington, D. C.	Demopoulos, J. A. (1 Arch)* -----	Orlando, Fla.
Bennett, R. M. (2 Ag En)* -----	Greer	Dixon, E. C. (1 TM)* -----	Darlington
Berry, B. C. (2 A-Ag Ec) -----	Johnston	Dohar, E. J. (1 E-CE)* -----	Wattsville
Berry, E. M. (2 Ag En) -----	North Charleston	Donelon, J. M. (S) -----	Clemson
Berry, P. H. (1 TM)* -----	Saluda	Dowling, J. H. (1 TM) -----	Chester
Bigby, M. E. (S)* -----	Clemson	Draper, C. H. (1 TM)* -----	Spartanburg
Bird, T. F. (1 A-AH)* -----	Inman	Duncan, W. F. (2 Arch) -----	Greer
Black, R. G. (4 CE) -----	Rock Hill	Dunn, O. H. (1 TM)* -----	Birmingham, Ala.
Blackwell, H. E. (2 TM)* -----	Gaffney	Earle, T. P. (1 VAE)* -----	Central
Blackwell, J. B. (1 E-Ag En) -----	Landrum	Earnhardt, R. A. (3 TM) -----	Spartanburg
Blessing, A. L. (1 E-ME)* -----	Kingsport, Tenn.	Easterby, H. A. (1 E-EE) -----	Charleston
Bloxham, J. C. (2 A)* -----	Columbia	Edwards, J. W. (1 E-CE)* -----	Wilson, N. C.
Bodiford, H. O. (1 A-Agron) -----	Clemson	Ellison, J. R. (1 TM) -----	Williamston
Boggs, C. R. (1 TM)* -----	Greenville	Evans, A. W. (1 A&S)* -----	Savannah, Ga.
Boggs, R. D. (1 A-Poul)* -----	Central	Faulkenberry, F. W. (2 ME) -----	Chester
Bolick, B. L. (2 EE) -----	Brookford, N. C.	Fennell, C. A. (1 A)* -----	Chester
Bolick, J. H. (1 A-Hort)* -----	Marietta	Ferguson, C. R. (2 TM) -----	Atlanta, Ga.
Bolt, F. (1 E-EE)* -----	Gray Court	Few, J. C. (1 Arch)* -----	York
Bond, L. P. (2 ME) -----	Columbia	Flowers, W. E. (1 TM)* -----	Lancaster
Booker, F. W. (S)* -----	Clemson	Floyd, G. O. (1 E-ME)* -----	McBee
Boyd, R. H. (3 Agron) -----	Rock Hill	Fogle, M. S. (2 A) -----	Orangeburg
Brandt, G. F. (2 CE)* -----	Augusta, Ga.	Font, C. G. (1 E-EE)* -----	Santurce, P. R.
Branyon, E. H. (2 EE) -----	Greenville	Ford, W. E. (1 Ch En)* -----	Medford, Mass.
Brasington, W. H. (1 E-ME) -----	Columbia	Fore, C. W. (2 A&S) -----	Latta
Bridges, J. E. (2 TE) -----	Rock Hill	Fowler, W. C. (3 Ar En) -----	Columbia
Brodley, S. (1 TM)* -----	Brooklyn, N. Y.	Franklin, M. S. (2 TM) -----	Aiken
Brothers, B. R. (1 A&S) -----	Greenville	Freeman, C. B. (1 Ind Phys)* -----	Westminster
Brown, Ray C. (1 A)* -----	Townville	Gaddy, R. S. (3 Ar En) -----	Taylors
Brown, W. S. (1 TM)* -----	Spartanburg	Gaddy, C. H. (2 VAE)* -----	Pearl River, N. Y.
Burgin, J. F. (2 CE)* -----	Black Mountain, N. C.	Gardner, T. B. (2 A) -----	Mullins
Burley, M. M. (2 Ind Ed) -----	Spartanburg	Garren, D. M. (3 TE) -----	Greenville
Buzzell, W. V. (1 Arch)* -----	Augusta, Maine	Garrett, J. E. (2 ME) -----	Orangeburg
Cameron, E. L. (1 E-EE)* -----	Saluda	Garrett, O. S. (2 Ind Ed) -----	Greenville
Campbell, D. H. (2 TM) -----	Edgefield	Garrison, J. B. (1 TM)* -----	Greenville
Campbell, H. T. (1 TM)* -----	Chester	Garrison, W. H. (2 Arch) -----	Columbia
Cannada, R. L. (2 TC) -----	Taylors	Gentry, J. B. (S)* -----	Clemson
Cason, C. R. (1 E-CE)* -----	Walhalla	Gilden, J. H. (2 TM) -----	Walhalla
Chambers, J. W. (S)* -----	Greenville	Godfrey, R. W. (1 TM)* -----	Greenville
Chaplin, H. M. (2 A-Agron)* -----	Neeses	Godwin, W. Y. (4 Ag En) -----	Summerton
Ciarfello, M. J. (1 Ar En)* -----	Hawthorne, N. J.	Gordon, J. C. (1 E-EE) -----	Liberty
Clark, B. D. (4 VAE) -----	Johnston	Graham, A. T. (2 TM) -----	Scranton
Clifford, G. D. (1 A-AH)* -----	Newton, Ga.	Grant, J. H. (1 E-TE) -----	Easley
Cloud, R. P. (1 E-EE) -----	Kingsport, Tenn.	Graves, C. L. (1 Arch)* -----	Bluffton
Coggins, C. D. (1 E-CE)* -----	Greenville	Green, J. V. (2 TM)* -----	Rock Hill
Coleman, A. L. (1 VAE)* -----	Hyman		
Coleman, W. R. (3 CE) -----	Anderson		

Name and Course	Address	Name and Course	Address
Greer, F. (2 ME)	Duncan	Long, R. O. (2 CE)	Walhalla
Gregg, R. L. (2 TM)*	Asheville, N. C.	Lorelle, R. R. (1 A-AH)*	Brooklyn, N. Y.
Hall, W. E. (1 A&S)*	Anderson	Love, H. G. (PG Arch)*	Columbia
Hamilton, E. H. (3 ME)	Seneca	Love, R. L. (3 VAE)	Hendersonville, N. C.
Hammett, T. B. (2 A-Agron)*	Inman	Lumley, H. (4 TE)	Greenwood
Hardin, J. T. (2 TM)	Whitmire	Lusk, L. J. (1 TM)*	Greenville
Harlee, A. H. (1 E-ME)*	Florence	McAfee, W. A. (2 ME)	York
Harrell, S. S. (1 A)*	Ferndale, Mich.	McConnell, H. E. (2 EE)	Piedmont
Harris, D. D. (4 ME)	Laurens	McCormick, L. S. (1 E-EE)*	Orangeburg
Harris, J. N. (1 E-Ag En)*	Anderson	McCreight, C. R. (2 Arch)*	Columbia
Harris, W. A. (2 VAE)	Seneca	McDonald, P. H. (S)*	Clemson
Harrison, H. H. (3 Ind Ed)	Pendleton	McElroy, E. C. (1 E-EE)*	New York, N. Y.
Hayship, C. C. (4 ME)	Spartanburg	McIver, W. C. (2 Pre-Med)*	Marion, N. C.
Heatley, S. M. (1 E-EE)*	Moncks Corner	McKee, J. L. (3 Agron)	Chester
Hendricks, D. (2 Ag En)	Liberty	McKenzie, G. S. (3 VAE)	McColl
Hester, F. T. (1 TM)*	Greenville	McKeown, H. A. (1 TM)	Chester
Heyer, J. L. (1 A-Agron)*	Butler, Pa.	McKinney, R. Bowen (2 EE)	Salisbury, N. C.
Hill, F. D. (3 TM)	Spartanburg	McLane, S. F. (1 Ind Ed)	Gaffney
Hittinger, E. M. (2 EE)	Weatherly, Pa.	McLean, H. (1 Chem)*	Greenville
Hodge, Charles R. (1 TM)*	Pelzer	McMillan, T. W. (2 TM)*	Central
Holland, G. H. (3 AH)	Fountain Inn	McNair, S. M. (1 TM)	Hartsville
Holland, J. C. (1 E-ME)	Mooresboro, N. C.	Macon, G. E. (2 EE)	Marion
Holliday, W. T. (1 E-TE)*	Greer	Maffett, C. W. (3 CE)	Johnston
Holroyd, R. F. (3 A&S)	Anderson	Magruder, L. M. (3 A&S)	Sarasota, Fla.
Holt, J. E. (2 ME)*	Sellers	Mann, C. L. (1 Arch)*	Winnboro
Horton, S. R. (2 TM)	Rock Hill	Maret, J. D. (1 VAE)	Greenville
Hough, J. T. (1 E-ME)*	Charlotte, N. C.	Martin, E. E. (2 A&S)	Greenwood
Hromi, J. D. (S)*	Clemson	Martin, John A. (S)	Clemson
Hudson, W. G. (S)	Clemson	Martin, W. T. (2 TM)*	Lawndale, N. C.
Hunt, M. L. (1 E-TE)*	Laurens	Mason, Z. T. (1 E-EE)	Manning
Hunter, M. P. (2 A-AH)	Ora	Mattox, J. D. (1 TM)*	Columbia
Hyder, A. G. (1 A&S)*	Anderson	Mays, K. W. (1 A&S)	Columbia
Ingram, H. W. (1 E-ME)*	Rockingham, N. C.	Menius, A. C. (S)*	Clemson
Izlar, T. W. (2 ME)	Charleston	Mentz, J. F. (1 E-ME)*	Lindenhurst, N. Y.
Jaindl, O. J. (2 ME)*	Allentown, Pa.	Miller, T. D. (3 TM)	Chester
Jameson, L. H. (S)	Clemson	Miller, W. G. (S)*	Clemson
Jamison, T. W. (3 EE)	Trenton	Minton, R. H. (1 Arch)*	Mountainside, N. J.
Jenkins, A. C. (2 A-Agron)	Clemson	Morgan, H. E. (2 Ind Ed)	Salisbury, N. C.
Johnson, R. N. (1 E-CE)	Marion	Morris, A. R. (2 A-AH)	Olar
Jones, H. B. (2 A-AH)	Marion	Muldrow, R. J. (1 A-AH)*	Florence
Jones, J. E. (1 TM)	Belton	Muldrow, R. W. (2 ME)*	Sumter
Jones, R. L. (2 ME)	Pauline	Mundy, C. E. (1 E-EE)*	Ware Shoals
Jones, W. A. (2 EE)	Neeses	Nelson, K. E. (1 E-EE)*	Greenville
Jones, W. E. (1 E-ME)*	Durham, N. C.	Nesbit, W. J. (1 A&S)*	St. Petersburg, Fla.
Jordan, H. A. (1 VAE)*	Hartsville	Nissen, E. E. (2 A)*	Columbia
Joyce, H. S. (3 EE)	Stoneville, N. C.	Noel, E. W. (1 E-TE)*	Saluda
Justus, H. A. (1 A)*	Hendersonville, N. C.	Nunnery, T. W. (1 E-EE)	Edgemoor
Kea, H. M. (2 TM)*	Rocky Ford, Ga.	Oakley, J. W. (1 E-EE)	Anderson
Kearse, C. M. (1 Pre-For)	Olar	Oetgen, J. W. (2 ME)*	Savannah, Ga.
Kennedy, C. W. (1 E-TE)*	Greenville	Oliver, W. B. (1 E-ME)*	Charleston
Kerr, H. B. (S)*	Clemson	Ormand, J. M. (2 TM)*	Thomaston, Ga.
Ketchum, W. J. (PG Ch En)	Savannah, Ga.	Ortkies, L. N. (2 Chem)*	New Orleans, La.
Kilpatrick, E. T. (1 E-EE)*	Greenville	Osborne, P. R. (1 TM)*	Kingsport, Tenn.
Kinard, G. C. (S)*	Walhalla	O'Shields, W. C. (1 A)*	Tucupau
King, J. C. (2 ME)	McBee	Pace, B. (1 VAE)*	Hendersonville, N. C.
King, L. O. (1 Ar En)	Anderson	Parker, J. W. (1 E-ME)*	Savannah, Ga.
King, R. L. (1 TM)*	Abbeville	Patten, M. I. (2 Ind Ed)	Easley
Klein, A. (1 TM)*	Milton, Del.	Patton, R. H. (2 VAE)	Gray Court
Klein, J. (1 TC)*	West Hazelton, Pa.	Paysinger, S. B. (3 Ind Ed)	Ninety Six
Knoebel, F. W. (1 TM)*	West Orange, N. J.	Peppers, C. H. (2 Pre-Med)	Taylors
Lackey, F. V. (1 E-EE)*	Lake City	Peschl, A. T. (1 Pre-Med)	Hendersonville, N. C.
Lambert, J. W. (2 TM)*	Woodruff	Peterman, M. (1 E-EE)*	Warner Robins, Ga.
Lawrence, R. T. (1 Arch)*	Memphis, Tenn.	Powell, H. B. (4 ME)	Spartanburg
Lay, C. W. (1 VAE)*	West Union	Power, S. C. (1 E-CE)	Laurens
Layton, R. D. (1 TM)*	Anderson	Ragsdale, L. M. (1 E-CE)*	Honea Path
LeFevre, L. B. (3 ME)	Augusta, Ga.	Raines, H. M. (2 A)	Mountain Rest
Lefort, H. G. (1 E-EE)*	Upper Marlboro, Md.	Ramsey, W. W. (1 E-ME)	Easley
LeGette, M. A. (2 EE)*	Floral Park, N. Y.	Rankin, D. M. (2 A-AH)*	Gastonia, N. C.
Lewis, R. S. (3 ME)	Washington, D. C.	Rea, L. M. (2 Ag En)*	Matthews, N. C.
Liebenrood, A. E. (2 A-AH)	Mount Pleasant	Reynolds, P. G. (2 Ar En)	Sumter
Lindsey, F. M. (1 E-TE)*	Taylors	Rice, B. M. (1 E-EE)*	Hartwell, Ga.
Long, Charles W. (1 E-TE)*	Conway		

Name and Course	Address	Name and Course	Address
Richardson, D. (S) -----	Clemson	Swittenberg, R. L. (1 A&S) -----	Anderson
Rivera, A. M. (1 E-ME)* -----	Guantanamo, Cuba	Taylor, K. Z. (1 E-EE) -----	Liberty
Roberts, H. W. (1 E-EE) -----	Atkinson, N. C.	Taylor, W. H. (2 TM) -----	Newnan, Ga.
Robertson, W. B. (3 TC) -----	Hagerstown, Md.	Temple, W. E. (2 TM) -----	Level Land
Rogers, C. T. (1 A-AH)* -----	Hemingway	Terry, J. E. (2 VAE) -----	Iva
Rollins, V. A. (1 E-ME)* -----	Greenville	Thomas, H. C. (1 VAE)* -----	Waterloo
Rollins, W. (1 TM) -----	Kershaw	Thomas, R. R. (1 A-Dairy) -----	Cope
Rostron, J. P. (S) -----	Clemson	Threatt, M. B. (1 TM)* -----	Lancaster
Rowland, L. M. (1 TM)* -----	Walhalla	Tidwell, R. (1 E-CE)* -----	Greenville
Ruitenber, C. O. (1 Arch)* -----	Paterson, N. J.	Tinsley, S. W. (2 A-Ag Ec) -----	Spartanburg
Sanders, J. D. (1 E-CE)* -----	Blacksburg	Tribble, J. C. (1 E-ME)* -----	Greenwood
Santos, W. A. (1 Arch)* -----	Charleston	Trotter, M. (1 TM) -----	Greenville
Scarborough, A. K. (2 Ch En)* -----	Winston-Salem, N. C.	Turner, W. H. (1 A&S) -----	Greenville
Scott, E. B. (S) -----	Clemson	Varn, H. W. (2 CE) -----	Walterboro
Scott, J. C. (2 TM) -----	Columbia	Veale, J. C. (1 Ar En)* -----	Savannah, Ga.
Segars, R. W. (2 CE)* -----	Hartsville	Ward, R. D. (1 A)* -----	Chester
Shirley, J. G. (1 E-ME)* -----	Piedmont	Ware, G. D. (3 ME) -----	Iva
Shirley, J. R. (1 TM)* -----	Greenville	Watkins, C. B. (2 Ch En)* -----	Augusta, Ga.
Shiver, J. M. (1 A-Agron) -----	Rembert	Watson, C. K. (4 Dairy) -----	Anderson
Shores, R. L. (1 TM)* -----	Spartanburg	Watts, A. J. (3 ME) -----	Mayesville
Shull, M. D. (1 A-Dairy)* -----	Wagener	Webb, C. L. (1 VAE)* -----	Ridgeland
Simmon, L. J. (1 TM)* -----	Newton, N. C.	Webb, H. W. (S) -----	Westminster
Simmons, W. H. (1 Arch)* -----	Long Island City, N. Y.	Webb, L. W. (1 VAE)* -----	Ridgeland
Sinclair, A. R. (2 EE) -----	Forest Park, Ga.	Weedon, C. H. (2 Chem)* -----	Rutherfordton, N. C.
Sizemore, G. C. (1 Ar En)* -----	Greenville	Weeks, J. J. (2 ME) -----	Charlotte, N. C.
Smith, Claude B. (1 A-Agron)* -----	Florence	Welsh, W. T. (1 E-ME) -----	Anderson
Smith, F. V. H. (2 Arch)* -----	Charlotte, N. C.	Weston, T. I. (2 ME)* -----	Columbia
Smith, James E. (1 A&S)* -----	Greenville	Wheller, R. F. (S) -----	Clemson
Smith, J. G. (2 A-AH) -----	Orangeburg	Whitten, W. A. (1 A&S) -----	Anderson
Smith, J. W. (2 A-Hort) -----	Lancaster	Wilbanks, J. T. (1 TM) -----	Clemson
Smith, R. G. (2 TE) -----	Greenville	Williams, H. R. (1 A-Ag Ec)* -----	Smoaks
Smith, W. E. (1 Ar En)* -----	Charleston	Williams, J. Frederick (G)* -----	York
Stackhouse, W. C. (PG Agron)* -----	Marion	Williams, W. C. (3 Ind Ed) -----	Central
Stanley, E. L. (S)* -----	Clemson	Williamson, D. H. (2 ME)* -----	Florence
Stenstrom, E. F. (S) -----	Clemson	Williamson, K. R. (1 E-Ag En) -----	Cades
Stevenson, John A. (1 Ind Ed)* -----	Winchester, Mass.	Wilson, C. A. (1 A)* -----	Bamberg
Stewart, J. E. (2 CE) -----	Central	Wilson, J. Kenneth (1 VAE)* -----	Cades
Stewart, J. R. (3 EE) -----	Clemson	Winter, A. A. (1 Ind Ed)* -----	Dothan, Ala.
Stewart, R. S. (1 VAE)* -----	Fountain Inn	Wofford, B. E. (1 TM)* -----	Schoolfield, Va.
Still, W. C. (1 A&S)* -----	Bethlehem, Pa.	Wolfe, E. C. (2 A-AH) -----	Inman
Stilwell, J. R. (1 Pre-Med)* -----	Charleston	Wolfe, J. D. (1 E-EE) -----	Rock Hill
Storey, P. E. (2 EE) -----	Greenville	Woodham, H. B. (1 A) -----	Bishopville
Stover, F. R. (2 VAE) -----	Kershaw	Wyatt, C. R. (1 Ar En)* -----	West Union
Sutherland, L. A. (1 E-ME)* -----	Anderson	Wylie, A. W. (1 A-Hort)* -----	Winnsboro
		Young, S. R. (1 Arch) -----	Sumter
		Zatcoff, A. (1 TM)* -----	Philadelphia, Pa.

† Students enrolled for the second semester who were not enrolled for the first semester. In this list, students are classified according to their credits at the beginning of the second semester; new students admitted at the beginning of the second semester are indicated by an asterisk (\*).

## NUMBER OF STUDENTS MAJORING IN EACH CURRICULUM

1948-1949

Classification	Agriculture	Agricultural Engineering	Pre-Forestry	Arts and Sciences	Industrial Physics	Pre-Medicine	Chemistry	Architectural Engineering	Architecture	Chemical Engineering	Chemistry-Engineering	Civil Engineering	Electrical Engineering
Senior -----	92	33	0	47	7	19	14	9	38	12	1	71	88
Junior -----	108	44	1	68	17	29	7	31	33	15	0	58	69
Sophomore -----	139	32	6	40	2	30	13	21	37	20	0	45	102
Freshman -----	171	27	9	47	3	31	10	23	53	13	0	72	91
Postgraduate -----													
Graduate -----													
Special Graduate -----													
Special -----													
Total -----	510	136	16	202	29	109	44	84	161	60	1	246	350
		Mechanical Engineering	Textile Chemistry	Textile Engineering	Textile Manufacturing	Vocational Agricultural Education	Education	Industrial Education	Postgraduate	Graduate	Special Graduate	Special	Enrollment by Classes
Senior -----	79	14	27	102	43	1	10						707
Junior -----	90	22	46	168	49	3	25						883
Sophomore -----	110	7	28	184	65	1	18						900
Freshman -----	126	14	70	226	64	10	12		14				1072
Postgraduate -----													14
Graduate -----										2			2
Special Graduate -----											9		9
Special -----												58	58
Total -----	405	57	171	680	221	15	65	14	14	2	9	58	3645

## ENROLLMENT BY COUNTIES AND STATES

1948-1949

<i>County</i>	<i>Total</i>	<i>State or Country</i>	<i>Total</i>
Abbeville -----	43	Alabama -----	12
Aiken -----	79	Arkansas -----	1
Allendale -----	13	California -----	1
Anderson -----	228	Connecticut -----	4
Bamberg -----	18	Costa Rica -----	1
Barnwell -----	21	Cuba -----	2
Beaufort -----	23	District of Columbia -----	23
Berkeley -----	11	Florida -----	42
Calhoun -----	15	Georgia -----	145
Charleston -----	143	Illinois -----	4
Cherokee -----	46	Indiana -----	2
Chester -----	68	Kentucky -----	6
Chesterfield -----	28	Louisiana -----	3
Clarendon -----	29	Maine -----	3
Colleton -----	29	Maryland -----	4
Darlington -----	56	Massachusetts -----	11
Dillon -----	25	Michigan -----	1
Dorchester -----	18	Minnesota -----	1
Edgefield -----	26	Mississippi -----	2
Fairfield -----	30	Missouri -----	2
Florence -----	92	New Jersey -----	32
Georgetown -----	33	New York -----	44
Greenville -----	356	North Carolina -----	207
Greenwood -----	95	Ohio -----	4
Hampton -----	18	Pennsylvania -----	30
Horry -----	38	Puerto Rico -----	3
Jasper -----	18	Rhode Island -----	2
Kershaw -----	18	South Carolina -----	2983
Lancaster -----	41	South Dakota -----	1
Laurens -----	72	Tennessee -----	38
Lee -----	21	Territory of Hawaii -----	1
Lexington -----	39	Texas -----	1
Marion -----	56	Virginia -----	21
Marlboro -----	32	West Virginia -----	6
McCormick -----	17	Wisconsin -----	2
Newberry -----	51		
Oconee -----	174	Grand Total -----	3645
Orangeburg -----	78		
Pickens -----	156		
Richland -----	96		
Saluda -----	21		
Spartanburg -----	246		
Sumter -----	71		
Union -----	54		
Williamsburg -----	23		
York -----	118		
South Carolina Total -----	2983		

## INDEX

	Page		Page
Absences	64, 68	Courses of Study	75, 116
Administration, Officers of	10, 62	Credit Load	71
Admission	32	Criminology	226
Advanced Standing Students	33	Crop Pest Commission	243, 260
Aerodynamics	204	Curricula	75
Agricultural Curricula	76	Dairy	80, 157
Agriculture, School of	76	Day Cadet	35
Agricultural Economics	77, 116, 256	Deans and Directors	10, 62
Agricultural Education	114, 163	Degrees, Bachelors	74
Agricultural Engineering	84, 120, 256	Degrees, Conferred	264
Agricultural Experiment Station	240, 253	Degrees, Graduate	75
Agricultural Extension Service	245, 255	Degrees, Professional	75
Agronomy	78, 122	Degrees, Requirements	70, 74
Alpha Chi Sigma	52	Demerits	65
Alpha Phi Omega	53	Demonstration Work	249, 255
Alpha Tau Alpha, Agricultural		Description of Courses	116
Education Fraternity	52	Designing, Textile	233
Alpha Zeta, Agricultural Fraternity	52	Diploma	74
Alumni	9, 49	Discharge	65
Analytical Chemistry	145	Discipline	63
Animal Husbandry	79, 126	Dormitories (See Barracks)	41
Architectural Engineering	94, 96	Drama	177
Architecture	94, 129	Drawing and Designing	160
Arts and Sciences Curriculum	86	Drawing, Engineering	160
Arts and Sciences, School of	86	Drawing, Freehand	160
Astronomy	219	Drawing, Technical	160
Athletics	55	Dropping Class Work	67
Awards to Students	56	Dyeing	223
Bachelor of Science Degree	74	Economics	162
Bacteriology	137	Economics, Mill	231
Band	45	Education, Agricultural	114
Banking Accounts	36	Education Curriculum	112
Barracks	41	Education, Industrial	113
Beekeeping	180	Education, Vocational	111, 163
Bequest, Clemson	47	Electrical Engineering	103, 169
Blue Key	53	Electronics	171
Board of Trustees	8, 62	Employment	76, 112
Board of Visitors	9	Engineering, School of	93
Boarl, Room, etc., Cost of	34	Engineering Experiment Station	261
Books and Supplies	35, 36	English	174
Botany Curriculum	80	Enrollment, Requirements to Continue	67
Botany, Description of Courses	138	Enrollment, 1893	49
Buildings	39	Enrollment, Summer, 1948	274, 282
Building Construction	132	Enrollment, 1948-1949	284, 310
Business Law	163, 176	Entomology	81, 179, 257, 260
Cadet Military Organization	52, 63	Entrance Examinations	33
Calendar	4, 5	Entrance Requirements	32
Calhoun Mansion	42	Evening Classes Vocational Education	166
Camp Surveying	153	Examinations	65, 71
Ceramic Engineering Curriculum	97	Examinations, Placement	33, 174, 195
Ceramic Engineering, Description of		Examinations Required	65
Courses	140	Expenses	34
Chaucer	177	Experiment Stations	240, 253
Chemical Engineering	100, 142	Extension Service	245, 255
Chemistry Courses	144	Fabric Analysis	234
Chemistry Curriculum	92	Faculty	11, 62
Chemistry, School of	91	Faculty Committees	28
Churches	46	Farm Crops	122
Civil Engineering	101, 152	Farm Machinery	120
Class Attendance	68	Farm Motors	121
Classification	70	Fees	34
Clemson, Thomas G.	47	Fellowships	38
Clemson, Will of	47	Fertilizer Committee	8
Clubs and Societies	52	Fertilizer Inspection	243, 254
College Organization	62	Field House	41
Commandant	63	Financial Assistance to Students	37
Committees of the Faculty	28, 62	Fluid Mechanics	206
Cotton Marketing	237	Food Preservation	193
County Agents	246		

	Page		Page
Forestry .....	85, 181, 257	Officers of the College .....	10, 30
Forge .....	194	Organic Chemistry .....	146
Fort Hill .....	42	Organization, College .....	62
Foundation, Clemson College .....	50	Orientation .....	163
Foundry .....	194	Out-of-State Tuition .....	34
French .....	182		
Furloughs .....	64	Pershing Rifles .....	52
		Phi Eta Sigma .....	52
General Chemistry .....	144	Phi Kappa Phi .....	52
Genetics .....	123, 157	Phi Psi Textile Fraternity .....	52
Geography .....	183	Physical Chemistry .....	147
Geology and Mineralogy .....	184	Physical Education .....	55
German .....	185	Physics, Description of Courses .....	217
Government Courses .....	186	Physics, Industrial .....	88
Government of the College .....	62	Placement Examinations .....	33, 174, 195
Grade Points .....	67	Placement, Teacher .....	112
Grades .....	65	Post Office .....	49
Graduates .....	49, 264, 272, 273	Poultry Husbandry .....	223
Graduate Degrees .....	75	Poultry Curriculum .....	83
Graduate Work .....	75	Pre-Medicine Curriculum .....	90
Grounds and Buildings .....	39	Pre-Forestry .....	85
		President .....	10, 62, 63
Health .....	46	Professional Degree .....	75
Heat Power .....	200	Promotion .....	70
Historical Sketch of the College .....	47	Psychology .....	225
History .....	187	Publications .....	258
History and Philosophy of Education .....	163	Public Service .....	239
Home Demonstration Service .....	249, 255	Public Speaking .....	175
Honors .....	52, 56	Quality of Grades for Promotion .....	70
Horticulture .....	82, 190		
Hospital .....	41	Radio Communication .....	173
Hydraulics .....	206	Rayon .....	234
		Re-examinations .....	71
Incomplete Work .....	66	Refunds to Students .....	36
Industrial Arts .....	193	Registration Period .....	5
Industrial Education .....	113	Religion, Courses in .....	47, 225
Industrial Engineering .....	194	Religious Influences .....	46
Industrial Physics .....	88	Remittances .....	34
Infirmary (See Hospital) .....	41	Reports .....	66
Instructional Assistants .....	27	Requirements for Admission .....	32
Iota Lambda Sigma, Industrial Education Fraternity .....	52	Requirements for Degrees .....	70, 74
Itinerant Teacher Training .....	261	Requirements to Continue Enrollment .....	67
		Research, Agricultural .....	253
Kinetics .....	207	Research Textile .....	107
Knitting .....	235	Reserve Officers' Training Corps .....	43, 63
		Rules for Promotion .....	70
Landscape Design .....	190	Rural Education .....	164, 261
Languages, Modern .....	182, 185, 227		
Library .....	39	Scabbard and Blade .....	52
Literary Societies .....	53	Schedule of Work .....	71
Livestock Sanitary Work .....	243, 259	Scholastic Regulations .....	65
Living Conditions .....	42	School Administration .....	166
Loan Funds, Student .....	37	Short Courses and Conferences .....	262
Location of the College .....	49	Senior Platoon .....	54
Loom Mechanisms .....	234	Shakespeare .....	176
		Shop Work .....	194
Machine Shop .....	194	Sick, Care of .....	46
Mathematics .....	195	Sigma Tau Epsilon .....	52
Matriculation .....	5, 34	Sirrine Foundation .....	107
Mechanical Engineering .....	105, 199	Smith-Hughes Teacher Training .....	114
Mechanics and Hydraulics .....	206	Societies, Engineering .....	53
Medals .....	56	Sociology .....	116, 226
Medical Fees .....	46	Soils .....	123
Meteorology .....	184	Spanish .....	227
Microscopy, Textile .....	232	Statistics .....	117, 119, 197
Military Organization .....	52, 63	Student Aids .....	37
Military Science .....	208	Student Banking Accounts .....	36
Minaret Club .....	52	Student Clubs .....	52
Modern Languages .....	182, 185, 227	Student Register .....	263
Money and Banking .....	163	Study Hours .....	64
Music .....	217		
Music Activities .....	53	Tau Beta Pi, Engineering Fraternity .....	52
		Teachers' Certificate .....	111
		Teacher Placement .....	112
		Teacher Training .....	111, 163

	Page		Page
Telephone Communication .....	42	Visitors, Board of .....	9
Textbooks .....	35, 36	Vocational Agricultural Education .....	114
Textile Chemistry .....	107, 228	Vocational Education, Description of Courses .....	163
Textile Courses .....	228, 231, 233, 236	Vocational Education, School of .....	111
Textile Engineering .....	109	Vocational Guidance .....	167
Textile Management .....	231		
Textile Manufacturing .....	110	Walters in Mess Hall .....	37
Textile Research .....	107	Weaving and Designing .....	233
Textiles, School of .....	107	Week-end Leaves .....	65
Tiger Brotherhood .....	53	Withdrawals .....	66
Transcripts of Records .....	37	Woodshop .....	193, 194
Trustees .....	8, 62		
Tuition .....	34	Yarn Manufacturing .....	236
		Y. M. C. A. ....	41, 54
Uniforms .....	35	Zoology .....	237
Veterans' Housing .....	42		
Veterinary Science .....	233		