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PRAIRIE VIEW UNIVERSITY



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Graduate School Supplement, 1946-47

PRAIRIE VIEW UNIVERSITY BULLETIN

1876

THE SEVENTIETH YEAR

1946

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Calendar

1946

SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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1947

JANUARY							FEBRUARY							MARCH							APRIL							
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MAY							JUNE							JULY							AUGUST								
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**BULLETIN OF
PRAIRIE VIEW UNIVERSITY**

Vol. 37

October 1946

No. 7A

**ANNOUNCEMENT OF GRADUATE STUDY
FOR
1946-47**

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GENERAL STATEMENT

The principal aim of graduate work at Prairie View University is two-fold: (1) to provide the student with a comprehensive view of a major field of interest, (2) to train the student for individual or independent investigation in that field of major interest. It is expected that the graduate student seek to develop the power of independent work to become intensely interested in the true spirit of research and to develop a scientific approach to all problems. It is also expected that the student become widely read in those fields which have a direct bearing upon his major work and become familiar with the workers actively engaged in productive research in said fields. A high grade of scholarly work should distinguish the work of the Graduate Department from the fulfillment of routine requirements. The graduate student should supplement and correlate his understanding of his field, study its background and relationship to other fields and thereby gain a broader and more practical understanding of its significance. He should be able to cast new light on specific phases of the field and in some way enlarge the scope. The graduate student should acquire technique of analyzing a body of data or observation and the power to express an independent and unprejudiced judgment.

Unhampered by the restrictions that necessarily obtain in undergraduate school the graduate student is expected to assume initiative and responsibility in carrying studies on the graduate level. All facilities for study and investigation afforded by the University are open to the graduate student insofar as he is qualified to make use of such facilities. Various opportunities for study, advice and assistance of teachers are regarded simply as aids to the student in acquiring for himself the discipline and method of independent scholarship.

ADMISSION

For admission to the Graduate Division an applicant must have received his baccalaureate degree from a senior college of recognized standing. In addition, his previous record must indicate fitness and ability to pursue advanced study and to do scholarly research.

Two classes of applicants are recognized: those who plan to work toward a masters' degree, and those who wish to broaden their education without reference to a degree. The first group will follow the regulations governing work for advanced degrees. The second group may take any work for which their preparation is adequate. Every student admitted under the first classification must pass through a probationary period. After nine weeks of residence a students' status in the Graduate Division, upon action taken by the Graduate Faculty, becomes either that of (1) candidate for a degree, or (2) non-candidate. If after one

semester a student fails to show progress, the Graduate Faculty may advise such student to withdraw.

Persons seeking admission to the Graduate Division must have the Registrars of their undergraduate institutions file with the Graduate Office complete transcripts of the undergraduate records.

When details of admission have been completed, the prospective student will be given a *permit to enter*. This permit must be presented at the Registrar's Office when the student reports for registration.

An application form, which is furnished free (upon request) by the Graduate Office should be filled in and filed with the Chairman of the Graduate Division at least two weeks in advance of intended registration.

Each graduate student must register on or before the days set aside for registration at the beginning of each term. A student may register at any time during the two weeks immediately preceding the formal registration days. Registration is not complete until fees are paid.

SELECTION OF MAJOR AND MINOR FIELDS

Each student registered in the Graduate Division must select a *Major Field* to which he intends to devote the larger portion of his time. In addition to a *Major Field* a student must select a *Minor Field* properly related to his *Major*. Students may receive graduate credit for graduate courses and certain advanced undergraduate courses. Certain undergraduate courses may be required without credit allowance toward an advanced degree. Special departmental regulations regarding majors and minors are given with the list of courses in the department concerned.

STUDENT'S ADVISORY COMMITTEE

Each student must select as his advisers a committee composed of not less than three teachers of graduate courses. This committee will be recommended by the Director of Graduate Study in consultation with the student. The personnel of the committee must represent the fields in which the student is taking his major and minor work. A representative of the major field must be chairman of the student's Advisory Committee. This person shall be chief adviser for the student and the director of the student's research.

A student must file with the Graduate Office, not later than two weeks after registration, a statement showing the consent of his Committee members to serve, together with a statement of major and minor fields selected.

REQUIREMENTS FOR THE MASTER'S DEGREE

The requirements for the degree of Master of Science include (1) satisfactory completion of the minimum residence period, (2) satisfac-

tory completion of certain graduate courses and certain supporting undergraduate courses, (3) presentation of a satisfactory thesis, and (4) the passing of a comprehensive examination.

1. *Residence*—At least a full academic year or the equivalent must be spent in residence and a minimum of thirty semester hours be earned at Prairie View. A student shall not present himself for graduation until he has six-months' residence to his credit after the date on which the Graduate Faculty approved his candidacy for an advanced degree.

2. *Course Credits*—At least thirty semester hours of graduate work, including the thesis, must be completed satisfactorily. Ordinarily, twenty hours of graduate work in the major field and ten hours of graduate work in the minor field will be required.

3. *English Usage Requirement*—A student who is deficient in English usage but who is otherwise doing satisfactory work will be required to satisfy the Committee on English Usage with regard to his use of the English language, before he is allowed to graduate. Such deficiency might be determined by an English Usage Examination or by reports of instructors of courses in which a student is registered.

4. *Thesis*—A candidate for the degree of Master of Science is expected to prepare a thesis as a part of the requirements for the degree. The preparation of the thesis should be begun in a seminar course, but it should be definitely understood that while credit is given in the seminar in which the student may be working on a thesis, no semester-hour credit is allowed for the thesis itself. The thesis must have the approval of each member of the student's Reading Committee. This work must be acceptable with respect to both scholarship and literary quality. A candidate for an advanced degree must have his thesis subject approved by his Chairman at least six months before the date he expects to present himself for graduation. A statement of this approval must be filed with the Graduate Office. A candidate should complete his thesis not later than three weeks before the date of his intended graduation in order that it may be examined by each member of the Advisory Committee for the student. The following directions should be rigidly followed in the writing of the thesis.

The thesis should be typewritten, double-spaced on a durable rag bond, 8½x11 inches, leaving the left hand margin at least an inch and a quarter wide, the right hand margin at least three-quarters of an inch. Set up the title page according to the following form:

TITLE OF THESIS

A Thesis

Presented to the Graduate Division
of Prairie View University
In Partial Fulfillment of the

Degree of

Master of Science

By

(Author's Name in Full)

(Date on which degree is to be conferred)

Following the title page there must be a biographical sketch of the author, not exceeding 200 words. An outline is furnished by the Graduate Office for this purpose. Further directions for thesis preparation will be placed in the hands of the student at the time needed.

Two copies of the thesis must be bound at the expense of the student and filed in the Graduate Office. One copy becomes the property of the University Library; the other becomes the property of the Graduate Office.

5. *Final Examination.*—After the thesis has been completed and filed with the Graduate Office, the Candidate is required to pass a general comprehensive examination which shall be a test of the Candidate's knowledge of the study which he has mainly pursued. This examination may be written or oral or both. This general examination is conducted by the Student's Advisory Committee of which the representative of the major field shall act as chairman, and at least two other examiners to be appointed by the Director of the Graduate School, after consultation with the Student's Advisory Committee. Any member of the Graduate Faculty may attend the examination as a visitor.

A Candidate who fails in his general examination must register in the Graduate School and carry work for an additional semester before an opportunity will be given for a second examination, unless special permission is granted by the Committee on Graduate Study for an earlier examination at the request of the department concerned.

TIME LIMIT ON WORK FOR MASTER'S DEGREE

A student must complete his master's work within six consecutive years after his first enrollment in the Graduate Division.

GRADING SYSTEM FOR GRADUATE STUDENTS

Course work of graduate students is reported as "A" (95-100); "B" (85-94); "C" (75-84); "D" (65-74); "E" (60-64); "F" (below 60); "I" (Incomplete).

No graduate credit is given for courses in which a grade lower than

"C" is received". In order to show satisfactory progress toward an advanced degree a student must receive an average grade of "B".

The work of a graduate student performed in connection with his thesis problem is reported as "satisfactory" or "unsatisfactory".

A graduate student may receive a grade of "I"—incomplete, in a course with the privilege of finishing the work at a later date. "Incomplete" work must be made up within twelve months after the close of the term in which the grade was earned, or no credit will be allowed for the course.

Graduate students registered in courses that are open to advanced undergraduates must do a certain amount of work in addition to that required of undergraduates. The nature of this additional work may be the reading of additional books on the subject and presenting a review of same, the making of reports, or such other work as the teacher in charge of the course may deem wise.

Special Note: Any person reporting for matriculation as a graduate student without having filed an application and other necessary credentials for graduate status (two weeks prior) will be given only tentative graduate status, pending the proper evaluation of undergraduate work. The student should understand that after his credentials have been examined under this tentative arrangement, the institution reserves the right to deny him graduate status even though he has completed all other parts of his registration.

FIELDS OF STUDY

Major and minors may be selected in the following fields:

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

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

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

RULES AND REGULATIONS FOR GRADUATE SCHOLARSHIPS

1. Each scholarship consists of \$500.00, payable monthly to the scholar in 12 equal installments of \$41.66.
 2. A scholarship award covers one long session and one summer session of continuous work, beginning in September and ending in August of the following year.
 3. A person receiving the award is expected to render services to the institution in consideration of the award. Such services, *during the long session*.
 - (a) are on a fourth time basis, and
 - (b) are assigned by the Graduate Committee and placed under the supervision of the head of the department in which the scholar takes his major work; and such services, during, *The Summer Session*
 - (a) are administered by the Student's Advisory Committee, subject to approval by the Graduate Committee.
- Scholarships are assigned by the Graduate Committee, subject to approval by the Principal, on the basis of scholastic attainment, worthiness of character and promise of success in the principal field to which the applicant proposes to devote himself.
5. The scholar is allowed to carry a maximum load of 12 semester hours during the long session. His load for the summer session is determined by his Advisory Committee.
 6. Residence is allowed to a "straight-time" basis.
 7. The "dead-line" date for receiving applications is May 15, immediately preceding the school year for which the scholarship award is effective.
 8. Scholars appointed are notified of such action on or about June 15.

FIELDS OF STUDY

Majors and minors may be selected in the following fields:

Agricultural Economics	Education
Agricultural Education	*Home Economics (Technical)
Agronomy	History
Biology	*Home Economics Education
Chemistry	Industrial Education
Economics	Mathematics
Administration	Mechanic Arts
English	Music Physical Education

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

Engineering
 Political Sciencec
 Rural Education

Rural Sociology
 Sociology

**FIELDS OF STUDY AND
 COURSES BEARING GRADUATE CREDIT
 DIVISION OF AGRICULTURE**

AGRICULTURAL EDUCATION

Undergraduate work equivalent to the Bachelor of Science degree in agriculture is required.

501 or 502. AGRICULTURAL EDUCATION SEMINAR. *Two hours credit.* Designed for all graduate students having majors in Agricultural Education. Only candidates for an advanced degree are eligible to take this course.

513. METHODS OF CONDUCTING PART-TIME AND EVENING SCHOOLS IN VOCATIONAL AGRICULTURE. *Two hours credit.* Teaching experience in Vocational Agriculture. Permission of instructor is required. A course devoted to an analysis of the problems related to part-time and evening schools in Vocational Agriculture and to the development of objectives and procedures in the organization and conduct of such instruction.

523. SUPERVISED PRACTICE PROGRAM BUILDING. *Two hours credit.* Teaching in Vocational Agriculture. Permission of instructor is required. A study based upon researches in project accounting and analysis.

533. EXTENSION ORGANIZATION AND PROGRAM DETERMINATION. *Three hours credit.* An analytical review of the best procedure to be followed in developing state, county, and community programs of work, and outlining of plans of work looking to the orderly development of specific projects, including a discussion of the place of local leaders in extension teaching. The representative organizations of rural people are studied for the purpose of discovering points of contact and interest for co-operation in the conduct of extension work.

543. EXTENSION METHODS. *Three hours credit.* Aims and objectives of extension teaching and possible ways of measuring accomplishments in this field are reviewed and critically analyzed. Various means and agencies employed in extension teaching are considered, such as result demonstrations, method demonstrations, meetings, news articles, personal services, bulletins, exhibits, and circular letters. They are evaluated from the standpoint of their teaching functions, adaptability, relative influence, cost, inter-relationship and general effectiveness.

553. ORGANIZATION AND CONDUCT OF 4-H CLUB WORK. *Three hours*

credit. The course includes the development of 4-H Club programs and organization considering: objectives; psychological groupings; community integration; program content; community, county, state, and Federal organization, selection and use of local leaders, annual plans of work, evaluation. It takes into consideration the methods employed in 4-H work, including: projects, club meetings, demonstrations, judging work, exhibits achievement days, camps, short courses, and leadership training.

563. SPECIAL PROBLEMS IN HOME ECONOMICS EXTENSION. *Two or three hours credit.* Review of extension research and other data of special significance to the organization and conduct of extension work with rural women. Current problems of home demonstration workers.

712 or 713. PROBLEMS IN AGRICULTURAL EDUCATION. *Three hours credit.* Study of the Community-program approach to agricultural problems. Procedure includes the Scientific approximation of aims, objectives and standards. The course includes participation in field experiences and field research.

722 or 723. PRINCIPLES OF TEACHING METHODS IN AGRICULTURAL EDUCATION. *Three hours credit.* The logical and psychological bases for selecting methods of teaching agriculture.

SPECIAL NOTE.—*Majors in Agricultural Education will be advised to select additional courses in the field of Rural Education.*

AGRICULTURAL ECONOMICS

513. AGRICULTURAL FINANCE. *Three hours credit.* Financial requirements of individual farmers; emphasis will be placed also on credit institutions serving the farmers. Prerequisite: Principles of Agricultural Economics.

523. MARKETING OF FARM PRODUCTS. *Three hours credit.* A study of the principles underlying the successful marketing of farm products. A definite study is made of the various middlemen through which farm products pass from the producer to the consumer. Trips will be arranged for the class to visit and study markets. Prerequisite: Principles of Agricultural Economics.

552. AGRICULTURAL ECONOMICS SEMINAR. *Two hours credit.* Current problems in Agricultural Economics will be discussed. Topics will be reported by students.

713. ECONOMICS OF AGRICULTURAL PRODUCTION. *Three hours credit.* The principles of production economics applied to the production of major farm products in various areas. Economic geography and agriculture, national production programs and the tariff on agricultural products. Prerequisite: Principles of Agricultural Economics.

723. COOPERATIVE MARKETING OF FARM PRODUCTS. *Three hours credit.* A study of the principles underlying the successful operation of cooperative marketing organizations, examples of successful fruit, vegetable, livestock and cotton marketing associations will be studied.

733. ADVANCED FARM MANAGEMENT. BUSINESS ORGANIZATION OF TEXAS FARMS. *Three hours credit.* The use of farm management principles in the organization and operation of Texas Farms. The study of selecting a farm, farm enterprises; planning cropping systems, equipment needs, and capital. Trips to study representative farms will be made by the class. Prerequisite: Principles of Agricultural Economics.

743. LAND TENURE AND PROBLEMS. *Three hours credit.* Land as a factor of production, land utilization, tenure and income. Prerequisite: Principles of Agricultural Economics.

763. AGRICULTURAL LAND USE PLANNING. LOCAL, REGIONAL AND NATIONAL. *Three hours credit.* A survey of county, state, regional and national land use programs. Submarginal, and supermarginal lands will be considered. Work of the Farm Security Administration, Department of the Interior, and National Resources Board will be studied.

DIVISION OF ARTS AND SCIENCES

ECONOMICS

The graduate courses in Economics permit intensive research and study of the integrated undergraduate courses in the various departments of the Social Sciences.

Among the specific objectives: development of ability to use available literature, facilities and techniques of investigating current socio-economic problems; advancement of independent thought and writing necessary for further study, experimentation and living.

For course sequence or any other information consult the chairman of the department and the professor offering the course.

ECONOMICS

513. ECONOMIC HISTORY OF THE UNITED STATES. (3-0). *Three hours Credit.* This course traces the development of agriculture, industry, commerce, and transportation from colonial times to the present. Problems involving the economic evolution in the United States. Prerequisite: Economics 213-223 (offered in alternate years).

533-523. PRINCIPLES OF ECONOMICS. (3-0) *Three hours credit.* This course is designed to provide a more thorough and critical consideration of economic problems and principles than is possible in the elementary

course. Special emphasis will be applied to the post-war economy in the American Social Order.

563. ECONOMIC PROBLEMS OF THE CONSUMER. (3-0). *Three hours Credit.* This course emphasizes the importance of family budgets, marketing, price controls, and other problems of consumers.

573. LABOR PROBLEMS. (3-0). *Three hours credit.* Evolution of industrial society. The labor movement as a "going government". Protective legislation dealing with wages, hours, and unemployment compensation. Problems involving the employer-employee relationships. Prerequisite: Economics 213-223.

702. THE NEGRO IN THE AMERICAN LABOR MOVEMENTS. (2-2) *Two hours credit.* A research and discussion course in American Trade Unionism, with special reference to the role and status of Negroes in the labor union. Prerequisite: Basic courses in Economics and Sociology.

723. SEMINAR IN ECONOMIC THEORY. (3-0). *Three hours credit.* Critical discussion of debatable topics in the field of economic theory, particularly prices, value and distribution. Reports will be made on recent or contemporary theories and theorists. Prerequisites: consent of instructor.

742. CAPITALISM AND SOCIALISM. (2-0) *Two hours credit.* Capitalism, unionism, socialism, fascism, and individualistic anti-capitalism, each viewed under the headings of conditions, theories and movements. A research course. Prerequisite: Economics 213 and Sociology 213.

EDUCATION

ADMINISTRATION AND SUPERVISION

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

523. ADMINISTRATION OF STUDENT PERSONNEL. (3-0) *Credit 3.* Open to students of senior and graduate standing. Deals with the common personnel problems of administrators and supervisors such as extra-curricular activities, guidance, student-faculty relationship; health; admissions; discipline; records and reports; etc.

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

713. FUNDAMENTALS OF SCHOOL ADMINISTRATION. (3-0) *Credit 3.* Open to graduate students who hold or are appointed to positions as

principals, or supervisors, or who have consent of Director. A brief survey of the history, principles, and practices in school administration followed by a more intensive study of problems (general and specific) involved in school administration.

743. PRINCIPLES OF CURRICULUM BUILDING. (3-0) *Credit 3.* Open to graduate students who hold positions as principals or supervisors or who have consent of Director. Deals with the principles of curriculum construction in elementary and secondary education; investigates the sources of curriculum materials and methods of evaluation. A study or investigation of some aspect of the curriculum is required of all students desiring credit.

753. PRINCIPLES AND PRACTICES OF SUPERVISION. (3-0) *Credit 3.* Open to graduate students who hold or are appointed to supervisory or administrative positions, or who have consent of Director. Some practice in application of principles required of all. Deals with the principles, practices and problems of supervision. Special attention is given to organization for supervision, supervisory programs, research in supervision, cooperation of special agencies, and qualifications for supervisors.

743. PRINCIPLES OF RURAL SCHOOL ADMINISTRATION. (3-0) *Credit 3.* Open to graduate students holding administrative and supervisory positions in rural areas. A study of the principles, practices, and problems of school administration with emphasis upon problems of schools located in rural areas. Reports required of all.

703. MODERN EDUCATIONAL TENDENCIES. (3-0) *Credit 3.* A discussion of current educational doctrines and controversies. Fundamental problems in the field of education will be considered with a view to the development of an integrated outlook.

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

ELEMENTARY EDUCATION

753. TEACHING THE LANGUAGE ARTS IN THE ELEMENTARY SCHOOL. (3-0) *Credit 3.* This course is designed for those interested in guiding and directing children of elementary school age in reading and in oral and written composition. Special emphasis will be placed on diagnosis and remedial work in reading.

743. PROBLEMS OF THE ELEMENTARY TEACHER. (3-0) *Credit 3.* Open to undergraduates who are teachers in service and to graduate students. Special projects, investigations, and reports will be required. Attention will be given to problems presented by members of the class as the outgrowth of their experiences.

782. MODERN PRACTICES IN ELEMENTARY EDUCATION. (3-0) *Credit 3.* A course designed for in-service teachers.

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

SECONDARY EDUCATION

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

HISTORY OF EDUCATION

713. HISTORY OF EDUCATION IN AMERICA PRIOR TO 1890. (3-0) *Credit 3.* A study of the historical background of American Education and an analysis of the origin and development of educational practices prior to 1890.

723. PUBLIC EDUCATION IN THE UNITED STATES SINCE 1890. (3-0) *Credit 3.* The development of American educational institutions since 1890 as conditioned by social, political and economic changes in American society.

PSYCHOLOGY

523. PRINCIPLES AND PRACTICES OF EDUCATIONAL MEASUREMENT. (3-0) *Credit 3.* The place of tests and measurements in education; selection and construction of the most commonly used tests and measurements. Prerequisite: Education 433. See education 433 in regular catalog.

563. MENTAL ADJUSTMENT. (3-0) *Credit 3.* A study of personality as an integrated force. The psychology of the adjusted school child. Prerequisites: Psychology 103.

573. PSYCHOLOGY FOR STUDENTS OF EDUCATION. (3-0) *Credit 3.* See Education 383, of current catalog. General principles of human psychology as they relate to the learning process.

RURAL EDUCATION

713. RURAL SCHOOL AND COMMUNITY RELATIONS. (3-0) *Credit 3.* Purpose of the course: to consider the place of education, the responsibility of the public school, the curriculum, the reorganization of the educational administrative structure, and the provisions of special educational services, as they relate to child and community needs in the rural environment and methods for their provision are treated from the standpoint of the whole child and the community as a whole. The community-centered school philosophy is emphasized throughout the course.

743. THE RURAL ELEMENTARY CURRICULUM. (3-0) *Credit 3.* For rural school principals, supervisors and teachers specifically concerned with curriculum adaptations in rural elementary schools. Emphasis on (1) the development of the curriculum in terms of environment, resources, and needs; and (2) specifically adapted organization for schools of one to four teachers. Procedures for discovering environmental resources and needs and conditions in sample rural communities considered in their implications for selection and organization of curriculum materials..

ENGLISH

Admission: For admission to graduate study in English a student should present at least an undergraduate minor, 21 hours or the equivalent, in this field. This undergraduate study should include at least three hours of credit above the sophomore level in each of the following: American Literature, Public Speaking or Argumentation, The Drama or Shakespeare; a period course such as Victorian Literature or Eighteenth Century Literature, or a specialized course such as Chaucer, Byron, Wordsworth.

The course, The English Language (English 353), is a prerequisite to all courses. If the student did not take this course while an undergraduate at this university, it is expected that he will register in the course upon admission to the Department.

REQUIREMENTS FOR THE GRADUATE DEGREE: Requirements are stated in terms of minimum essentials. Students are urged to indicate some effort at enrichment of background by including in their program more than the minimum essentials. Of the 20 credit hours required for a graduate major in English the following courses are required:

Course Numbers	Credit Hours
English 582 and 592	2
English 713 and 723	6
English 733 and 743	4
English 772 and 782	2
English 812 and 822	2
English 802	2

Of the 10 credit hours required for the graduate minor in English the following courses are required:

Course Numbers	Credit Hours
English 733 and 743	4
English 772 and 782	2
English 812 and 822	2
English 802	2

THE TEACHING OF ENGLISH: Education (English 523), is required both for the major and the minor.

DESCRIPTION OF COURSES

ENGLISH

523. THE TEACHING OF ENGLISH. (3-0) *Credit 3*. II. Emphasis is placed upon methods and material in the teaching of English in the junior and senior high schools. Limited opportunity is given for observation and practice teaching.

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

582, 592. THE NOVEL. (2-0) *Credit 2.* I and II. Study of the relations between literature and social conditions as revealed in outstanding examples in the field of the novel. First term, European; second term, American. (See English 412 and 422, University Catalog).

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

733 and 743. SPEECH ARTS. (3-0) *Credit 3.* I and II. Practical work in speech construction, platform delivery, parliamentary procedure, and play production. The student should allow not less than three dollars for the purchase of practice materials. Prerequisite: English 513.

752 and 762. JOURNALISTIC WRITING AND PUBLICITY METHODS. (2-0) *Credit 2.* Practical work in the forms.

772 and 782. NEGRO LITERATURE. (2-0) *Credit 2.* A study of the works of Negro writers of prose, poetry, and drama from the colonial slavery times to the present day, with emphasis on their interpretations of Negro people, sociological implications and influence on American life and literature. Attention will be given to contemporary works by and about Negroes: books, reviews, and studies in current periodicals. Prerequisite: American Literature.

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

812 and 822. LITERARY CRITICISM. (2-0) *Credit 2.* Wide reading including translations from "classical" literature. Practice in reading aloud.

HISTORY GRADUATE COURSES

Majors and minors are offered in the Department of History, Philosophy and Political Science. Students desiring to major in either History or Political Science should consult with the Head of the Department and plan a program in conjunction with the Major Professor.

All students are required to take a course in Research. For the present, Sociology 563 is the Research course required in this department. Majors in History should register for History 563 and majors in Political Science for Political Science 563.

Arrangements should be made to take this course as early as possible after the commencement of the work for the Master's Degree.

The offerings in History on the graduate level have been divided into three fields: (1) European History; (2) American History; (3) Training and Special Courses in History.

Students seeking a Master's Degree in History should present well chosen courses from these fields and pursue further work in one field or a combination of fields in consultation with the Professor of History.

I. European History

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

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

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

532 or 533 and 542 or 543. **ENGLAND, 1485 TO THE PRESENT.** (2-0) or (3-0) *Credit 2 or 3.* I. This course surveys the development of Britain in Modern historical development. Emphasis is placed on the Tudors and the Reformation; the Stuarts and Parliament; English expansion under Parliamentary rule; the Era of Reform and Empire; the Empire and World War I, Britain between the Wars; the Fight for Survival—Global War. Lectures, Discussions, Special Reports—offered in odd years.

552 or 553. **EUROPE, 1914 TO THE PRESENT.** (2-0) or (3-0) *Credit 2 or 3.* I. This course surveys 20th Century European development in its World setting. The background and causes of World War I; the War itself; the Versailles settlement and Post War efforts at Political, Economic and Social Security, collectively and Nationally; the ideological clash between democracy and totalitarianism which led to Global War and the Atomic Age—form the subject matter of the course. Lectures, discussions, special reports. Offered in odd years.

II. American History

612 or 613. **THE UNITED STATES, 1492-1837.** (3-0) or (2-0) *Credit 2 or 3.* I. This survey of the first phase of American development treats the Transplantation and altering of European culture in Colonial America; the American Revolution and the Constitution; Democratic Growth in the young Republic, with its clash of Jeffersonian and Hamiltonian ideals; and the Politico-Socio-economic origins of the conflict between

the Sections which produced National Crisis. Lectures, discussions, special reports.

6X2 or 623. THE UNITED STATES, 1837-1898. (2-0) or (3-0) *Credit 2 or 3*. II. This course surveys the period of the Burgeoise Revolution and the rise of Group Democracy in American development. It treats the rise of the Common Man; Slavery and Abolition; "Popular Sovereignty" the Last Formula; the Irrepressible conflict; Reconstruction and the New Nation; and Industrial Capitalism and its problems. Lectures, discussions, selected readings, special reports.

622 or 632 and 642 or 643. AMERICAN FOREIGN RELATIONS, 1775 TO THE PRESENT. (2-0) or (3-0) *Credit 2 or 3*. I and II. A study of the United States in its relations with Latin-America and the rest of the world. Emphasis upon public opinion and the economic, social and political forces that have determined American foreign policy and upon the agencies through which that policy has been executed. May be taken as Political Science 533 and 543.

653. CONTEMPORARY UNITED STATES HISTORY, 1898 TO THE PRESENT. (3-0) or (2-0) *Credit 2 or 3*. II. This course surveys 20th Century American development thus: America comes of age; the quest for Social Justice; the Great crusade (World War I); Post War Normalcy and Reaction; Democracy in Transition—the New Deal; and American Leadership in the "United Nations." Lectures, Discussions, special reports.

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

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

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

692 or 693. THE NEW SOUTH, 1865 TO THE PRESENT. (2-0) or (3-0) *Credit 2 or 3*. II. Concentration is placed on the Relation of the South to National development since 1860. The Death of the Old South; Reconstruction and the New Nation; the "Dew Departure" 1876-1900; South-

ern strivings to follow National Patterns, 1900-1932; the New Deal and the New South. Lectures, Discussions, Readings, Special Reports.

III. Training and Special Courses

563. A SURVEY OF THE CRITICAL ATTITUDE AND TOOLS OF SCIENTIFIC HISTORY. (3-0) *Credit 3*. I or II. The course emphasizes History and its relation to the Social Sciences; the Subject and the Collection and Classification of Sources; the criticism of Data; Exposition or the presentation of Historical evidence; and Sources and Techniques of Political Science Research, Lectures, laboratory exercises, special reports. Offered as Sociology 563, Social Research. History majors register for History 563.

572. HISTORICAL INVESTIGATIVE PAPER. (2-0) *Credit 2*. I and II. Credit allowed upon satisfactory completion of required thesis.

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

602. WESTERN AMERICAN HISTORY. (2-0) *Credit 2*. II. Seminar in the exploration, settlement and development of the region western side of the Mississippi. Designed to discover and preserve materials on the early Spanish, French, African and Anglo-Saxon explorations and the contributions of the immigrants who made their homes in the Western region later.

622. PROBLEMS IN LATIN-AMERICAN HISTORY. (2-0) *Credit 2*. I. Geography and resources of the Latin-American countries. Cultural traits of the population. Description of the social, political and economic institutions. History of the relations between the United States and Latin-American countries.

POLITICAL SCIENCE

Students entering upon their graduate studies concentrating in Political Science must elect Political Science 563 the first semester of residence and also at least one seminar in Political Science in which the student must write an acceptable investigative paper showing the mastery of writing technique and scholarly proficiency.

Majors in Political Science are required to select courses from at least four of the following six fields of concentration: (1) American Government; (2) Foreign Governments; (3) Political Parties; (4) Methodology and Theory; (5) Public Administration and (6) International Law and Relations. Programs of study should be outlined in consultation with the Professor of Political Science.

I. American Government

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

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

II. Political Parties

722 or 723. SEMINAR IN POLITICAL PARTIES AND ELECTION PROBLEMS. (2-0) or (3-0) *Credit 2 or 3.* II. An intensive study of selected election problems in the Southwest paying particular attention to Negro suffrage and voting participation in Texas.

III. Foreign Government

502 or 503. SEMINAR IN INTERNATIONAL ORGANIZATION. (2-0) or (3-0) *Credit 2 or 3.* I or II. Description and evaluation of agencies and procedures of international cooperation devised by states during the past 100 years with emphasis on the period since the World War I.

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

IV. Methodology and Theory

702 or 703. SEMINAR IN POLITICAL THEORY. (3-0) or (2-0) *Credit 2 or 3.* A survey of the history of political thought from the days of Ancient Greece to the present.

563. BIBLIOGRAPHY AND METHODS OF RESEARCH. (3-0) *Credit 3.* A survey of bibliographies, studies in the use of public documents and other source of materials, investigation and reports on special research problems. This course is required of all majors in Political Science and is offered as Sociology 563. Political Science majors register for Political Science 563.

V. Public Administration

5X2. SOCIAL LEGISLATION. (2-0) *Credit 2.* Study of Federal and state laws and administration of these laws to meet the needs of the people and to achieve some degree of social security.

6X3 and 603. AMERICAN CONSTITUTIONAL LAW. (3-0) *Credit 3.* I and II. The principles of American constitutional law as seen in the leading cases, with special reference to political theories and national development.

542 or 5X3. SEMINAR IN PUBLIC ADMINISTRATION. (3-0) or (2-0) *Credit 2 or 3.* II. An analysis of the American administrative system and the common problems underlying all branches of administration. The course will consist of lectures, individual and group reports on some aspect of Texas Administration from time to time. Each member of the class will be required to make a written term report on some phase of public administration.

VI. *International Law and Relations*

742 or 743. SEMINAR IN COMPARATIVE GOVERNMENT AND ADMINISTRATION. (2-0) or (3-0) *Credit 2 or 3*. II. A survey of British political institutions and contemporary government forms and functions in Europe and America. A critical estimate of political theories and philosophies.

712 or 713. SEMINAR IN COLONIAL GOVERNMENT AND PROBLEMS OF IMPERIALISM. (2-0) or (3-0) *Credit 2 or 3*. A brief survey of the great historical imperial systems followed by an intensive study of colonial governments and the problems of imperialism in the world today.

502 or 503. SEMINAR IN INTERNATIONAL ORGANIZATION. (2-0) or (3-0) *Credit 2 or 3*. Description and evaluation of agencies and procedures of international cooperation devised by states during the past 100 years with emphasis on the period since World War I.

522 or 533 and 542 or 543. AMERICAN FOREIGN RELATIONS, 1775 TO THE PRESENT. (2-0) or (3-0) *Credit 2 or 3*. I and II. A study of the United States in its relation with Latin-America and the rest of the world. Emphasis upon public opinion, the economic, social and political forces that have determined American foreign policy and upon the agencies through which that policy has been executed.

GRADUATE COURSES IN MATHEMATICS

For admission to graduate study in mathematics the candidate should present at least twenty-one semester hours of undergraduate mathematics of which six hours should be in Differential and Integral Calculus and three hours in Solid Analytic Geometry. The candidate should, after nine or ten weeks of study show a genuine aptitude to study and a desire to investigate in his major field of endeavor or some closely related minor field.

DESCRIPTION OF COURSES

MATHEMATICS

713. ADVANCED CALCULUS. *Credit three hours*. This course is devoted to more advanced topics of the calculus. A study of differential equations is begun in this course. Prerequisites: Differential and Integral Calculus.

723. ANALYTIC MECHANICS. *Credit three hours*. This course deals with statics, the study of equilibrium and dynamics, motion of particles, of rigid bodies, and simple cases of formable bodies under action of forces. Prerequisites: Differential and Integral Calculus.

733. ADVANCED ALGEBRA. *Credit three hours*. This course deals with topics not taken up in the elementary course of college algebra. Some of the topics studied are inequalities, theory of probability, summation of series, etc. Prerequisite: College Algebra.

743. STATISTICS. *Credit Three hours*. This course gives an intensive study of the processes of statistical methods with reference to applications in various fields. Prerequisite: Analytic Geometry.

753. THEORY OF EQUATIONS. *Credit three hours.* Complex numbers, general calculations of the cubic and the biquadratic, and Horner's and Newton's method are some of the topics studied in this course. Prerequisite: Differential and Integral Calculus.

763. DIFFERENTIAL EQUATIONS. *Credit three hours.* Methods of solving type forms and the formulation of practical problems as solutions of differential equations will be the central point of study. Prerequisites: Differential and Integral Calculus.

773. PROJECTIVE GEOMETRY. *Credit three hours.* A study of fundamental forms; harmonic sets, perspectivity and projectivity of forms, duality, involution. Prerequisite: the calculus.

783. DIFFERENTIAL GEOMETRY. *Credit three hours.* A study of the curves in the plane and in space, and of surfaces; introduction to the study of curved spaces. Prerequisites: Calculus and Solid Analytic Geometry.

793. INFINITE SERIES. *Credit three hours.* This course deals with the convergence and divergence of sequences, and series. It concentrates on simple, absolute, and uniform convergence. A few topics on summable series are studied. Prerequisites: Differential and Integral Calculus.

803. NUMERICAL AND LITERAL SOLUTIONS OF EQUATIONS. This course deals with the methods of solving linear, simultaneous, quadratic, cubic, quartic, transcendental, and algebraic equations of higher degrees than the fourth for real roots, as well as methods for complex roots. Prerequisites: Theory of Equations on consultation with the Head of the Department.

MUSIC

Prairie View University offers courses leading to the degree of Master of Science with a major in Music. This degree is open to persons holding a bachelor of music or bachelor of science or arts with concentration in music from an institution of recognized standing. These degrees presented as entrance requirements in the graduate department must represent an amount of work equivalent to that prescribed in the Division of Arts and Sciences of Prairie View University.

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

SCHOOL MUSIC

Requirements:

12 to 15 Hours—30 hours in all subjects

1. Courses in the field:
Courses in general education or psychology, or English Literature, Language or History as well as the music courses.
Thesis: A written literary work involving original research.
3. Applied Music (6 hours minimum)
Continuation of one's applied instrument

4. Minor Cognates: Any one:—

Aural Theory
 Written Theory
 Music Literature

Any non-musical field of study for which the student has the requisite preparation in his bachelor's degree.

Twelve to fifteen hours. (30 hours in all subjects)

683. THE TEACHING OF MUSIC LITERATURE. Study of the problems involved in the presentation of music appreciation to high school students. 3 hours.

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

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

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

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

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

973. SEMINAR IN MUSIC EDUCATION. Reviews the current philosophy of education in this country with special reference to the place of music in the curriculum. Review and criticism of music curricula, and evaluation of materials and methods of the various types of music schools existing in America. In addition the student will engage in a special study of some problem associated with that aspect of music teaching in which he is mostly interested. 3 hours.

983. RESEARCH IN MUSIC EDUCATION. Independent investigations under supervision, leading to a thesis. (In certain cases a laboratory problem in the psychology of music may be submitted as a thesis. 3 hours.

993. THE PSYCHOLOGY OF MUSIC. Aims to present material from the science of psychology which leads to an understanding of individual differences in musical capacities and concomitant application in teaching. An understanding of current psychological tests and measurements in music. It deals with a review of the experimental laboratory work on factors which make up the musical mind. 3 hours.

Requirements:

THEORY

12 to 15 Hours—30 hours total for degree

1. Thesis: A written literary work involving original research, or an arrangement of a work, or an original work for full symphony orchestra.
2. Student must include 953, 783 and 793 or 763.
3. Applied Music: (6 hours)
Continuation of one's applied instrument
4. Minor Cognate: Any one:—

School Music
Applied Music
Music Literature

Any non-musical field of study for which the student has the requisite preparation in his bachelor's degree.

Twelve to fifteen hours (30 hours total in all subjects)

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

693. ANALYSIS OF FORM. Practical analysis of intermediate and larger forms, eighteenth and nineteenth century harmony as illustrated in the works of Haydn, Mozart, Beethoven, Brahms, Frank, etc.

763. ADVANCED ORCHESTRATION. Scoring for the full symphony orchestra.

783. CONTRAPUNTAL AND CHROMATIC DICTATION. A course in dictation and two and three-part counterpoint, and four-part chromatic harmony.

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

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

953. ADVANCED ANALYTICAL HARMONY. Harmonic analysis of Chorales of Bach; piano sonatas of Beethoven, violin sonatas of Brahms, and symphonic works of Mozart, Beethoven, Wagner and Franck.

PIANO

Requirements:

Undergraduate recital already given.

1. Three complete concertos
2. Material for two programs
3. Public performance of a concerto; chamber ensemble, and one recital program.

Four hours of daily practice; two one-hour lessons; one hour studio class each week; if possible, Three hours each semester.

12 to 15 Hours Credit Required (In Piano alone, 30 hrs. total for degree)

MUSIC 613—

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

MUSIC 623—

2. Sufficient material for two programs including three of four major compositions of the classical and romantic school. These programs should also include a varied selection of the representative modern compositions.

Bach—Italian Concerto, toccatos, transcriptions by Tausig, Busoni, Liszt, etc., Chromatic Fantasy and Fugue.

Beethoven—A sonata of the grade of difficulty of Op. 53, 57, 109, 110, 111, or Chopin Sonata, *and an earlier sonata*; or one of Mozart, or a modern one.

Romantic Composers—Schumann—(Etudes Symphoniques); Franck—Prel., Chorale and Fugue); Brahms-Handel—(Variations and Fugue); Liszt—(Sonata, etc.).

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

MUSIC 713—

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

MUSIC 723—

4. Must have two sequences in minor cognates as: Aural Theory, Written Theory, Music Literature, Music Education or non music subjects for which the student has adequate preparation. Also, if desired, applied music other than piano.

VOICE

Requirements:

Undergraduate recital already given.

1. Two complete roles appropriate to the voice.
2. Two complete oratorio roles.
3. Public performance with orchestra (an aria); one recital (artist's).

Three hours of daily practice, 2 one hour lessons; one hour studio class if possible each week. 3 hours credit each semester.

12 to 15 Hours Credit Required (In Voice Alone)

MUSIC 633—

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

MUSIC 643—

2. Four arias (Languages not specified).

MUSIC 733—

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

THE NATURAL SCIENCES

BIOLOGY

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

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

514. HISTOLOGICAL TECHNIQUE. See Biology 354. In addition to the requirements of 354, the student is required to master some of the special techniques.

524. HISTOLOGY. See Biology 364.

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

544. ENDOCRINOLOGY. (2-4) *Credit 4*. A lecture and laboratory course dealing with a general consideration of the organs of internal secretion. Pyslogeny, embryology, microscopic, anatomy, and physiology. Prerequisite: Biology 214, 224, 324.

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

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

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

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

CHEMISTRY

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

612. ADVANCED INORGANIC CHEMISTRY. (2-0) *Credit 2*. The elements are discussed in the order which they appear in the periodic chart with special attention to the relationship between atomic structure and properties. The less familiar elements are treated in detail.

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

702. ADVANCED ANALYTICAL CHEMISTRY. (2-0) *Credit 2*. A lecture course dealing with chemical principles and advanced analytical theory. Prerequisite: Chemistry 224.

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

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

713. QUALITATIVE ORGANIC ANALYSIS. (1-4) *Credit 3*. Lecture and laboratory work covering the separation and identification of pure organic compounds. Prerequisite: Chemistry 325.

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

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

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

802. ELECTROCHEMISTRY. (0-4) *Credit 2*. Lectures, assigned readings and exercises in the laboratory dealing with the fundamental theories

of electro chemistry and the preparation of certain inorganic and organic compounds. Prerequisite: Physicalchemistry,

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

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

PHYSICAL EDUCATION

Prerequisites for a graduate major will ordinarily consist of not less than 20 semester hours of undergraduate credits in the chosen field or in some related field. A graduate minor will ordinarily be based upon not less than 12 semester hours of undergraduate work.

If the transcript of the undergraduate record of a student does not meet the above qualifications additional satisfactory undergraduate work will be required before the student is admitted to graduate status.

It should be clearly understood that admission to the graduate school does not imply admission to candidacy for a degree.

Courses for which graduate credit may be obtained are numbered above 500. Courses numbered from 300 to 499 are for graduates and undergraduates.

Twenty semester hours of work in Physical Education Theory are required for a major, and ten hours of work for a minor.

GRADUATE COURSES

613. INDIVIDUAL PHYSICAL EDUCATION. (3-0) *Credit 3.* I or II. Making a Physical Education program meet the needs of handicapped individuals, fundamental principles in the selection and adaptation of activities in corrective procedure, abnormal physical conditions that come to the care or attention of the physical director. Lectures, recitations, demonstrations, reports. Prerequisites: Physical Education 354 and 364.

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

663. ADVANCED COURSE IN COACHING. (3-0) *Credit 2.* I or II. This course will include all phases of team play in football, basketball, track and field athletics; as well as coaching problems. Prerequisites: senior standing and varsity participation in football, basketball or track.

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

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

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

663. **ADVANCED PERSONAL AND COMMUNITY HYGIENE.** (3-0) *Credit 3.* I or II. To provide a thorough survey of the significant facts related to hygiene and physiology as they bear upon personal and community life. Detailed study of the health agencies which function in community living.

672. **HISTORY AND SURVEY OF THE DANCE.** (2-0) *Credit 2.* I or II. The history and study of materials and methods in all phases of the dance.

683. **TUMBLING, PYRAMIDS AND STUNTS.** (3-0) *Credit 3.* I. Open to both men and women. Instruction is offered in tumbling, pyramids, and stunts in line with the ability of the class. Advance work is presented as fast as the progress of the class permits.

693. **METHODS AND MATERIALS OF TEACHING PHYSICAL EDUCATION IN HIGH SCHOOL AND COLLEGE.** (3-0) *Credit 3.* II. The selection and presentation of material for activities with emphasis upon methods, organization, and teaching techniques.

SOCIOLOGY

Students seeking a Master's degree in Sociology should consider the objectives and requirements.

These Objectives Include:

1. A development of knowledge sufficient to make community surveys necessary for the formulation of programs of community organization.
2. A development of interest and ability of the student in the field of scientific sociology.
3. The development of an appreciation and ability to interpret native and folk culture of the Nation and the Southwest.
4. The development of the ability to interpret mass behavior so as to make such interpretation functional in leadership.

REQUIREMENTS

Students who hope to major in Sociology must present a minimum of 9 semester hours in undergraduate Sociology with substantial credits in History, Political Science or Economics.

Students who hope to secure the Master's degree with a minor in Sociology should present a minimum of 9 undergraduate hours in any of the Social Sciences. Students falling in this category are advised to register for a course in Advanced Principles of Sociology.

513. **SOCIAL THEORY.** (3-0) *Credit 3.* I. A study of the development of social theory so as to show the rise of Sociology and its various points of view. Prerequisites: twelve hours of Sociology. Open to graduate students.

523. JUVENILE DELINQUENCY. (3-0) *Credit 3*. II. A study of the nature, extent, and conditions giving rise to Juvenile delinquency. Outstanding literature surveyed and programs treating delinquency are discussed. Prerequisite: six hours of Sociology including Criminology. Open to graduate students.

563. SOCIAL RESEARCH. (3-0) *Credit 3*. II. A study of techniques of social investigation. Student required to do one complete piece of social investigation. Prerequisite: twelve hours of Sociology. Open to graduate students.

573. SOCIAL STATISTICS. (3-0) *Credit 3* I and II. Study of the techniques of calculating values common to statistical work. Course extends from simple measures of central tendencies through Correlation and regression. Students must do calculation on machine and develop speed and accuracy. Open to all students above sophomore level. Also open to graduate students.

583. CULTURAL SOCIOLOGY. (3-0) *Credit 3*. I or II. A study of the origin and development of human culture. Special emphasis is placed upon schools of culture and contemporary culture. Prerequisites: Nine hours of Sociology. Open to graduate students.

DIVISION OF HOME ECONOMICS

Prerequisites: Students desiring to major in Home Economics must present undergraduate subject matter credits in certain of the following: Social sciences, physical sciences, biological sciences, Art, and Education, which shall be satisfactory to the adviser under whose direction the major work is to be done. In addition the student must have adequate undergraduate training in that field of Home Economics in which she wishes to specialize.

A "split major" may be taken in Home Economics Education and General Home Economics; a minor may be selected in General Education, Administration and Supervision, or Rural Education. Students may also major in Home Economics Education and minor in General Home Economics, or in General Education, or in Administration and Supervision, or in Rural Education.

GENERAL HOME ECONOMICS COURSES

701. SEMINAR IN FOODS. (3-0) *Credit 3*. I and II. Reviews and interpretations on the field of foods and experimental food preparation, involving individual assignments and oral and written reports.

703. SEMINAR IN NUTRITION. (3-0) *Credit 3*. I and II. Review and interpretation of the literature of this field, emphasizing recent advances and involving individual assignments and reports.

753. CLOTHING ECONOMICS. (3-0) *Credit 3*. I. A study of those aspects of clothing which directly or indirectly affect the consumer.

763. PROBLEMS IN HOME ECONOMICS. (3-0) *Credit 3*. II. Opportunity is afforded for the investigation of selected problems in a particular area. Independent study, and written and oral reports.

HOME ECONOMICS EDUCATION

523. RESEARCH PROBLEMS. (3-0) *Credit 3.* I or II. A study of the methods used in collection, treatment and interpretation of data in the field of Home Economics. (Formerly called "Organization and Presentation").

723. EDUCATIONAL MEASUREMENT. (3-0) *Credit 3.* II. With special reference to Home Economics subject matter tests, scales, construction and evaluation of objective devices.

743. STATISTICAL TECHNIQUES. (3-0) *Credit 3.* I or II. Deals with methods of interpretation and utilization of test data.

793. HOME ECONOMICS CURRICULA. (3-0) *Credit 3.* I. The objectives of home economics in high schools; recent surveys and other methods used in determining content of curricula.

3X3. RESEARCH. (3-0) *Credit 0.* I or II. Theses involving extensive study of chosen problems.

DIVISION OF MECHANIC ARTS

In the Division of Mechanic Arts, advanced work is offered leading to the degree of Master of Science, in the fields of Engineering and Industrial Education.

Prerequisite to major graduate work in these fields, is the completion of a four year curriculum, substantially equivalent to that required of undergraduates in the Division of Mechanic Arts.

For advanced work in the Division, good library facilities and laboratory equipment are provided, to carry on the work suggested. Certain research problems may be made available in cooperation with other departments of the University.

ARCHITECTURE

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

733-743. CITY PLANNING. (0-9) *Credit 3.* II. Relation of urban elements to the city, residential, business, industrial, recreational, and municipal areas; transportation, traffic and street systems.

CIVIL ENGINEERING

743. STRUCTURAL THEORY AND DESIGN. (2-3) *Credit 3.* II. Statically indeterminate trusses, continuous trusses; steel arches; secondary trusses; suspension bridges; long span roofs; skeleton steel buildings and space structures.

753. ADVANCED STRENGTH OF MATERIALS. (3-0) *Credit 3.* I, II. Special problems met in engineering, limitations of the flexure and torsion formulas, unsymmetrical bending, curved beams, combined stresses, thin tubes, thick hollow cylinders, flat plates and localized stresses.

763. WATER POWER ENGINEERING. (2-3) *Credit 3*. II. Estimates of water power from steam flow data, theory and practice of hydraulic turbines, elements of design of dam, waterway and power house, cost and value of water power.

ELECTRICAL ENGINEERING

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

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

GENERAL ENGINEERING

723. GRAPHICS OF FORMULAS. (3-0) *Credit 3*. Simple empirical equations; curve tracing and fitting; diagramming of formulas; the construction of nomographic or alignment charts, interpolation, numerical and graphical integration and differentiation, and special slide rules.

INDUSTRIAL ENGINEERING

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

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

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

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

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

MECHANICAL ENGINEERING

501. REFRIGERATION. (3-0) *Credit 3*. I or II. The application of thermodynamics to problems of refrigeration. Types of refrigerating machines and plants, refrigerants, icemaking, cold storage, cooling of

air, liquids, and solids, construction details of commercial and household refrigerating plants and their economic operation.

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

505. FLOW OF FLUIDS AND HEAT TRANSFER. (3-0) *Credit 3. I or II.* Review of first and second laws of thermodynamics, compressors, refrigeration cycles. The design of apparatus for heat transfer by conduction, convection, and radiation, with particular reference to heat exchangers, air preheaters, economizers, evaporators, boilers and condensers.

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

713. ADVANCED ENGINEERING THERMODYNAMICS. (3-0) *Credit 3. I, II.* A critical study of the advanced phases of engineering thermodynamics, including the examination of the validity of recent data, theories and formulations for their adaption to engineering practice. Applicability of modern mathematical and physical concepts, data; and methods to the design and performance of machine and processes relevant to the

723. ADVANCED MACHINE DESIGN. (3-0) *Credit 3. I or II.* Material selection, working stresses, factors of safety, machine frames, fastenings, universal joints, gears, shafts, couplings, clutches, brakes and bearings.

733. DYNAMICS OF MACHINERY. (3-0) *Credit 3. II.* A study of the advanced dynamics of machinery with special reference to inertia effects, torque characteristics, flywheel design, and the balancing of multiple cylinder engines and compressors, critical speed and the design of turbine drums.

793. RESEARCH IN MECHANICAL ENGINEERING. *Maximum credit 9 hours.* Original investigation or advanced study in the field of Mechanical Engineering.

MASTER'S DEGREES CONFERRED—1938-1945

1938-1939

Harrison, Arnye J. *Major*—Administration and Supervision *Minor*—
Rural Sociology

THESIS: *A Case History of Pickard High School, Brenham, Texas, 1939*

Rhone, Frieda E. *Major*—Rural Sociology *Minor*—Rural Education

THESIS: *The Recreational Activities of Rural Youth in Waller County 1, Texas, 1939-1940*

Davis, William L. *Major*—Administration and Supervision *Minor*—
General Education

THESIS: *A Coordinating Community Program*

Gooden, John Eddie *Major*—Administration and Supervision *Minor*—
Sociology

THESIS: *A Comparative Study of the Family Background*

Mayfield, Charlotte *Major*—Administration and Supervision *Minor*—
Rural Sociology

THESIS: *Improving the Curriculum*

Punch, Ossalee V. *Major*—Administration and Supervision *Minor*—
Rural Sociology

THESIS: *A Tentative Guidance Program*

Williams, Willie Lee *Major*—Administration and Supervision *Minor*—
—Rural Sociology

THESIS: *History of Booker T. Washington High School*

1940-1941

Andrews, Robert *Major*—Administration and Supervision *Minor*—
Rural Sociology

THESIS: *Availability of Education to Negroes in Waller County, Texas*

Armstrong, Ira E. *Major*—Administration and Supervision *Minor*—
General Education

THESIS: *Historical Study of Public Elementary School in San Antonio, Texas*

Brady, Arthur E. *Major*—Administration and Supervision *Minor*—
General Education

THESIS: *An Appraisal of the Reorganization of the San Antonio Schools*

Clater, Marie *Major*—Administration and Supervision *Minor*—
English

THESIS: *An Analysis and Appraisal of the Aims of Negro Teacher-Colleges in Texas*

Collins, William *Major*—Agricultural Education *Minor*—Rural Sociology
Sociology

THESIS: *Health Conditions of One Hundred Negro Households in Schulenburg, Texas*

Herald, A. Clyde *Major*—Chemistry *Minor*—Education

THESIS: *The Formation and Study of Certain Alkamine Esters of Substituted Cinnamic Acids*

Jones, Laura Nichols *Major*—Administration and Supervision *Minor*—
Rural Education

THESIS: *A Survey of the Visual Aids Used In Waller County Schools*

Perry, Virginia B. *Major*—Rural Education *Minor*—Rural Sociology

THESIS: *Recreational Activities of Blackshear Elementary School*

Wells, Thelma N. S. *Major*—Administration and Supervision *Minor*—
Rural Education

THESIS: *Some Reading Deficiencies of Negro Children of Waller County*

Williams, Samuel B. *Major*—Chemistry *Minor*—Physics

THESIS: *The Formation and Study of Certain Benjoins and Some of Their Derivatives*

1941-1942

Archia, Ernest A. *Major*—School Administration *Minor*—Political
Science

THESIS: *A Ten Year Follow-Up Study of the Sixty Graduates and Ninety-Two Drop-Outs of the George Washington Carver High School, Goose Creek, Texas*

Burton, T. H. *Major*—Administration and Supervision
Minor—Rural Education

THESIS: *A Recommended Program of Principal-Teacher Supervision For Center Point School, Pittsburg, Texas.*

Caldwell, Herman *Major*—Administration and Supervision
Minor—Rural Education

THESIS: *Some Causes of Irregular Attendance In The Negro Public Schools of Texarkana, Arkansas*

Collins, Stella *Major*—Administration and Supervision *Minor*—History

THESIS: *A Comparative Study of the Compulsory Attendance Laws of the Southern States With Special Emphasis Upon The Attendance Laws of Texas*

Fuller, Ruby W. *Major*—Home Economics
Minor—Administration and Supervision

THESIS: *The Effect of Home Produced Foods Upon the Eating Habits of Pre-School Children in Henderson County, Texas*

Hall, Olivia W. *Major*—General Home Economics
Minor—General Education

THESIS: *Homemaking Unit For Adults Based On A Study of the Residents of the D. N. Leathers Slum-Clearance Project at Corpus Christi, Texas*

Hayes, Jennie V. *Major*—History *Minor* Political Science

THESIS: *History of the United Transport Service Employees of America*

Hines, Lillie Belle *Major*—Rural Education
Minor—General Education

THESIS: *A Comparative Study of Some Current Practices in Elementary Education As Found in Negro Schools in Travis County*

Johnson, A Soders *Major*—English *Minor*—General Education

THESIS: *A Proposed Program of Language Arts For Ninth Grade of Booker T. Washington High School, Marlin, Texas*

Livingston, Lora *Major*—General Education *Minor*—Rural Education

THESIS: *A Study of the Needs and Possibilities for the Teaching of Art in the Negro Elementary Schools of Houston, Texas*

Luter, Buckner S. *Major*—Agricultural Education
Minor—Administration and Supervision

THESIS: *Organizing New Farmers of America For Proficiency in Agricultural Vocations*

McDonald, A. W. *Major*—Administration and Supervision
Minor—Political Science

THESIS: *A Status Study of the Graduates of Central High School for the Five-Year Period, 1932-1936, With Implication for Curriculum Reorganization*

- Poole Jones, Sadie N. *Major*—Rural Education
Minor—Rural Sociology
 THESIS: *A Study of Methods and Materials As Can Be Applied To
 The Improvement of Junior High School*
- Reynolds, Lois *Major*—Sociology *Minor*—Economics
 THESIS: *Sustenance Position of Texas Negro Domestic Servants
 in the Texas Economy*
- Richards, Bessye *Major*—Home Economics Education
Minor—Sociology
 THESIS: *A Study of the Effects of Part-Time Employment Upon the
 Scholastic Achievement of Home Economic Students at
 Prairie View State College, 1926-1940*
- Sasser, Annie G. H. *Major*—Mathematics *Minor*—Rural Education
 THESIS: *Functions and Functional Relationships in Secondary
 Mathematics*
- Taylor, Samuel B. *Major*—Political Science *Minor*—Economics
 THESIS: *The Administrative Organization of the State of Texas*
- Thomas, Bessie *Major*—Rural Education *Minor*—Rural Sociology
 THESIS: *A Study of the Advantages and Disadvantages of the
 Consolidated Negro Schools in Waller County, Texas*
- Turner, Falbia A. *Major*—Sociology *Minor*—History
 THESIS: *Some Factors Giving Rise to Differential Grouping Among
 The Pupils of Trinity Garden Elementary School of
 Houston, Texas*

1942-1943

- Alexander, Zelemor *Major*—Administration and Supervision
Minor—General Education
 THESIS: *A Study of the Records Used in Twenty-Five Representa-
 tive Negro High Schools of Texas*
- Anderson, Cora Belle Pasley *Major*—Administration and Supervision
Minor—Elementary Education
 THESIS: *The Current Attitude of Teachers Regarding Disciplinary
 Problems in the Negro Elementary Schools of Houston,
 Texas*
- Barnett, Jewel Lovetta *Major*—Rural Education
Minor—General Education
 THESIS: *Education Availability for Negro Girls and Boys in Lincoln
 County, Oklahoma*

- Brown, Annie Lois *Major*—Home Economics Education
Minor—General Education
 THESIS: *A Study of the Interests and Aversions of Homemaking Pupils in seventy-four Vocational Schools of Texas*
- Cameron, Bella Holley *Major*—Administration and Supervision
Minor—General Education
 THESIS: *An Analysis of Progressive Elementary Education With Proposals for the Improvement of Instruction in Cuney Elementary School, San Antonio, Texas*
- Harris, Cornelius Alfred, Jr. *Major*—Administration and Supervision
Minor—General Education
 THESIS: *An Analysis of Some Factors Affecting Attendance At Booker T. Washington School in Galveston, Texas*
- Johnson, Valerie Bertina *Major*—Biology *Minor*—General Education
 THESIS: *Studies in Abdominal Distention*
- Johnson, Bessie Hallowell *Major*—English
Minor—General Education
 THESIS: *An Investigation in Progress in Reading Ability of One Hundred Senior Pupils of Phillis Wheatley High School, Houston, Texas*
- Johnson, W. L. D. Sr. *Major*—General Administration
Minor—Social Science
 THESIS: *Organization of the Public Schools in Houston, Texas, 1905-1940*
- Kilpatrick, Mabel Eunice *Major*—English
Minor—Education Administration and Supervision
 THESIS: *A Study of Reading Achievement at H-6 Grade Level in the Negro Elementary Schools of Houston, Texas*
- Muldrew, Georgia Hilburn *Major*—Physical Education
Minor—English
 THESIS: *Factors Influencing the Health of Negroes in Houston, Texas*
- Sanderson, James Charles Summer *Major*—Education
Minor—Political Science
 THESIS: *Eliminations in the Wheatley High School in Houston, Texas, 1937-1941*
- Vaughn, Florence E. Fowler *Major*—English
Minor—Rural Education
 THESIS: *A Reading Program for the Ninth Grade of the St. Paul High School, Greenville, Texas*

Washington, Jordan Thomas *Major*—Administration and Supervision
Minor—Rural Education
 THESIS: *Adequacy of Public Education for Negroes of Jasper County, Texas*

Wilson, Lucelustine Walker *Major*—General Education
Minor—Education Administration and Supervision
 THESIS: *A Study of Progressive Education as Practiced in Negro Secondary Schools of Texas*

1943-1944

Adams, Allene Archia *Major*—History *Minor*—General Education
 THESIS: *The Development of the Oil Industry in the Baytown Area, Especially As It Affects the Employment and Welfare of Negroes*

Barlow, Michael K. *Major*—Administration and Supervision
Minor—Rural Education
 THESIS: *A Study of Retardation in Five Negro High Schools in Fort Bend County, Texas,*

Bland, Reda Lee *Major*—General Education *Minor*—Mathematics
 THESIS: *The Function of Mathematics in General Education*

Blanks, Vittoria C. *Major*—English *Minor*—Education
 THESIS: *The Status of Reading Ability Among Prairie View College Freshmen: An Exploratory Study*

Brooks, Winzola Duval *Major*—General Education
Minor—Administration and Supervision
 THESIS: *A Remedial Reading Program Designed to Meet the Difficulties Found in the Fourth Grade of Coles School, Corpus Christi, Texas*

Butler, Eulalia Velma *Major*—Mathematics
Minor—General Education
 THESIS: *Maxima and Minima of Functions of One and Two Variables*

Clemons, Rosa Ellen *Major*—Rural Education
Minor—General Education
 THESIS: *Problem of Studying, Collecting, and Arranging Curriculum Material That May Be Used in the Teaching of Elementary Science for Primary Grades*

Conner, Jeffie O. A. *Major*—Home Economics
Minor—Rural Sociology
 THESIS: *A Study of Four Hundred and Sixty Negro Farm Families In Three Texas Counties*

- Crawford, Bertha O. *Major*—Administration and Supervision
Minor—Rural Education
 THESIS: *A Study of a Remedial Reading Program and Its Effect On the Improvement of Reading in the Fifth and Sixth Grades of the Bruce Elementary School, Houston, Texas*
- Fennoy, Thelma Rand *Major*—Sociology *Minor*—Economics
 THESIS: *The Spatial Distribution of Deaths in the City of Houston, Texas*
- Hathaway, Sarah Lee *Major*—English *Minor*—Mathematics
 THESIS: *Sectioning Freshman English on the Basis of Reading Test Scores*
- Jackson, L. K. *Major*—Educational Administration *Minor*—History
 THESIS: *The Organization and Administration of Thirty-Four Selected Small Negro High Schools in Oklahoma*
- Kenyon, Mattie Belzora *Major*—Administration and Supervision
Minor—Rural Education
 THESIS: *A Rural Elementary School Report That Will Meet the Needs of the Pupils, Patrons, and Teachers of the Negro Schools of Oklahoma County*
- Langrum, Henry Clay *Major*—Agricultural Education
Minor—Rural Sociology
 THESIS: *Evidences of Effectiveness of Instruction in Vocational Education in Agriculture in Houston County, Texas*
- Malone, Vera E. *Major*—General Education
Minor—Rural Education
 THESIS: *A Suggested Plan for the Education of the Physically Handicapped Children in the Waco Elementary Schools*
- Merrick, Portia Conrad *Major*—Administration and Supervision
Minor—Sociology
 THESIS: *A Comparative Study of Factors Probably Relating To Attendance in East Baton Rouge Negro Rural Schools*
- Phillip, Jimmie Ruth *Major*—Homemaking
Minor—General Home Economics
 THESIS: *A Proposed Survey Course for Freshmen Home Economics Students at Prairie View Normal and Industrial College*
- Randle, Irene Ethelind *Major*—Administration and Supervision
Minor—Rural Education
 THESIS: *A Comparative Study of Common Schools for Negroes in Brazos County*

- Robertson, Athal Ximinia *Major*—Biology *Minor*—Education
 THESIS: *The Effects of Colchicine on Germination and Polyploid Development of Watermelons*
- Sanders, Reta Mae *Major*—Rural Education
Minor—Administration and Supervision
 THESIS: *The Development of the Workshop Idea in the Program of Higher Education for Negroes in Texas*
- Seals, Lizzie Emma *Major*—General Education *Minor*—English
 THESIS: *A Study of How the Coordinated Program Functions in Community Life Development in Smith County, Texas*
- Sneed, Beatrice B. *Major*—Rural Education
Minor—General Education
 THESIS: *A Study of Cuney Community for the Purpose of Developing a Functional Primary Curriculum*
- Tapscott, Gertrude . *Major*—Rural Education
Minor—Home Economics
 THESIS: *A Plan for Helping Teachers of Cherokee County Discover and Make Use of Community Resources as Elementary Curriculum Materials*
- Witherspoon, Lottie B. *Major*—Foods *Minor*—Rural Sociology
 THESIS: *A Study of the Food Consumption of Eighty-Six Families Dining Hall*

1944-1945

- Allen, Alberta S. *Major*—Home Economics *Minor*—Rural Education
 THESIS: *A Study of the Food Consumption of Eighty-Six Families in Carlsbad, New Mexico*
- Austin, R. S. *Major*—Administration and Supervision
Minor—Agricultural Economics
 THESIS: *A Comparative Study of the Training, Experience, Duties And Responsibility of East Texas Negro School Principals*
- Dacus, Alton F. *Major*—Agricultural Education
Minor—Agricultural Economics
 THESIS: *Some Factors Affecting Vocational Education in Agriculture*
- Dean, Julia K. *Major*—English *Minor*—General Education
 THESIS: *A Study of the Analysis of the Errors Made by Prairie View Freshmen for the Year, 1944-1945*

- Ellis, Delia Hall *Major*—Home Economics Education
Minor—Education
 THESIS: *A Comparative Study of Marks Earned by Native and Transfer Home Economics Students*
- Harrison, C. A. *Major*—Rural Education *Minor*—Rural Sociology
 THESIS: *Determining Courses of Study in Farm Mechanics For Texas Based on the Analysis of the Need of 300 Negro Farmers*
- Harrison, Ray Alfred *Major*—Agricultural Education
Minor—Agricultural Economics
 THESIS: *Teaching NFA in a Regular Program of Vocational Agriculture*
- Jackson, Charles E. *Major*—Administration and Supervision
Minor—General Education
 THESIS: *A Study of Educational Provisions for Negroes in Gregg County*
- Jackson, Gwendolyn *Major*—Piano *Minor*—Music Theory
 THESIS: *Orchestral Transcription of Beethoven's Piano Sonata, Opus 57 First Movement*
- Johnston, William Clifford *Major*—Administration and Supervision
Minor—Political Science
 THESIS: *The Relationship Between Vocabulary of Scholastic Achievement of a Group of Prairie View University Students*
- Kemp, I. B. *Major*—Industrial Education
Minor—Administration and Supervision
 THESIS: *The Status of the Negro Industrial Worker in Houston, Texas*
- Langrum, Mable P. *Major*—Administration and Supervision
Minor—Rural Education
 THESIS: *A Study of Some Supervisory Practices in Some Selected Schools in East Texas With Recommendations for Improvement*
- Nicholas, Josephine C. *Major*—Home Economics *Minor*—Education
 THESIS: *A Comparative Study of Grades of Home Economics Graduates of Prairie View College, 1939-1944*
- Perry, Douglass D. *Major*—History *Minor*—Education
 THESIS: *Black Populism: The Negro in the People's Party in Texas*
- Puryear, Bryte Hoover *Major*—Administration and Supervision
Minor—Sociology
 THESIS: *An Analysis of Punctuation Errors of Three Hundred Freshmen at Prairie View State College*

- Randall, Beatrice Hogan *Major—English Minor—Education*
THESIS: *An Analysis of Punctuation Errors of Three Hundred Freshmen Students of Prairie View College, 1944-1945*
- Reese, Goldie B. *Major—Elementary Education*
Minor—Administration and Supervision
THESIS: *Noon-Hour Recreation in the Elementary Schools of Houston Texas*
- Stubblefield, B. *Major—Mathematics Minor— Chemistry*
THESIS: *Computation of All the Real and Complex Roots of Algebraic and Transcendental Equations*
- Thomas, Benjamin F. *Major—Administration and Supervision*
Minor—Agricultural Education
THESIS: *A Survey of the Health Conditions of the Negro School Children in Ellis County*
- Thomas, O. J. *Major— Agricultural Education Minor—Rural Sociology*
THESIS: *Suggested Principles and Practices for Cooperative Teaching With Special Reference to the Part to Be Taken By Vocational Agriculture*
- Wall, Pauline A. *Major—Political Science Minor— Sociology*
THESIS: *The Potentiality of the Negro Vote in Texas*