

BULLETIN
OF
OTTAWA UNIVERSITY
OTTAWA, KANSAS



CATALOG EDITION, 1919-1920
ANNOUNCEMENTS FOR 1920-1921

OTTAWA UNIVERSITY
OTTAWA, KANSAS

THE
ANNUAL CATALOG

REGISTER FOR 1919-1920
ANNOUNCEMENTS FOR 1920-1921



THE QUARTERLY BULLETIN

Vol. XVII.
April, 1920.
No. 4

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THE UNIVERSITY CALENDAR

1920

February 3, Tuesday—The Second Semester begins.

April 21, Wednesday—Charter Day.

June 6, Sunday, 10:30 a. m.—Baccalaureate sermon by the President.
8:00 p. m.—Sermon before the Christian Associations.

June 7-9, Monday-Wednesday—Final Examinations.

June 9, Wednesday, 4:30 p. m.—Senior Class Farewells.
6:30 p. m.—Alumni Dinner.

June 10, Thursday, 10:30 a. m.—Graduating Exercises of the Academy.
2:00 p. m.—Annual meeting of the Board of Trustees.
3:30 p. m.—Freshman Declamation Contest.
8:15 p. m.—Senior Class Play.

June 11, Friday, 10:30 a. m.—Commencement.
12:30 p. m.—Commencement Dinner.

September 14, Tuesday, 9:30 a. m.—First Semester begins.

November 25, Thursday—Thanksgiving.

December 17, Friday, 4:30 p. m.—Holiday Recess begins.

1921

January 4, Tuesday, 8 a. m.—Holiday Recess ends.

January 25-27, Tuesday-Thursday—Mid-Year Examinations.

February 1, Tuesday—Second Semester begins.

BOARD OF TRUSTEES

Term Expires June, 1920

H. C. Caster, Bartlesville, Okla.
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Term Expires June, 1921

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Term Expires June, 1923

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Chairman of Committee for Finding Homes for Girls: MRS. A. A. SCHARINGER, 1023 S. Main Street.

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 LULU M. BROWN, A. M., Principal of the Academy. Instructor in Latin and History.

KATHRYN GUNN, A. B., Instructor in English.
 EDNA UMSTOT, A. B., Instructor in Commercial Subjects.
 PAUL R. UTT, Dean of the Conservatory of Music. Teacher of Voice, Theory, and History of Music.

MRS. PAUL R. UTT, Teacher of Piano and Organ.
 LUCY K. FORBES, Mus. B., Teacher of Piano.
 FRANK M. KENDRICK, Teacher of Violin.
 MARY NELSON, Teacher of Violin.
 ELSIE M. UMSTOT, B. S., Recorder and Secretary to the President.
 *MARIETTA PRICE, Assistant Treasurer.
 MARGARET STICKLER, Matron of Charlton Cottage.
 *Resigned March 1, 1920.

STANDING COMMITTEES OF THE FACULTY

Registration, Entrance Credits and Advanced Standing, Professors Wilson, Higgins, Miss Brown; Rules and Regulations, Professors Wilson, Ritchie; Athletics, Professors Wilson, Scharinger, Miss Brown; Debate, Professors Ritchie, House; Library, Professors Higgins, Russell, Miss Crawford; Social Affairs, Mrs. Rockwood, Misses Tulloss and Gunn.

HISTORICAL SKETCH

Ottawa University is the result of missionary effort by Baptists among the Ottawa Indians. This was begun while the Indians were in Canada; it was continued during their migration westward and after their settlement in Kansas. This work was carried on with enthusiastic devotion by Rev. Jotham Meeker and his wife. The principal teachers among the Indians were Rev. John Tecumseh Jones, an Indian graduate of Madison (now Colgate) University, and his wife, Jane Kelley Jones, a native of Maine. At that time the Ottawas were occupying a reservation about twelve miles square in Franklin County, they had organized the First Baptist Church of Ottawa, Kansas. As early as 1850 it had about one hundred members.

While this missionary and educational work was being carried on among the Indians, the white Baptists of Kansas, true to the traditions of the denomination, which has always been the champion of higher education, had chartered the "Roger Williams University" and were discussing a location for it. The question of location came up at a meeting of the Baptist State Convention in Atchison in 1860. Rev. J. T. Jones was present as a delegate from the First Baptist Church (Indian) of Ottawa. He suggested that the white Baptists join with the Ottawa Indians in establishing a school on the reservation. The Indians had land that might serve as a basis for an endowment. The whites had money and teachers. A committee was appointed to confer with the Indians. They were found to be favorable and steps were taken to carry out the plan. Through the influence of Mr. Jones and this committee the matter was brought before Congress and an act was passed by which 20,000 acres of the reservation were set aside for the use of the institution of learning.

The same act named a Board of Trustees consisting of four Indians and two whites. The first meeting of this Board was held August 20, 1862. It authorized the sale of 5,000 acres at \$1.25 per acre in order to establish the school. For the next two or three years it appears that the school was attended by a considerable number of Indian children.

In 1865 at the request of the Indians the name "Roger Williams' University" was dropped and a new charter secured re-incorporating the school as Ottawa University. This charter was issued April 21, 1865, under the seal of William Tullies, Probate Judge of Franklin county, to I. S. Kallech, C. C. Hutchinson, John G. Pratt, J. T. Jones, James King, William Hurr and Henry King. These men constituted the first Board of Trustees and carried on the institution for a number of years under the dual management provided in the act of Congress granting them the land. For a variety of reasons this arrangement was not satisfactory to either of the races. In the adjustment of interests the Indians agreed to withdraw and leave the school entirely in the hands of the whites. It was agreed that the 400 acres retained by Ottawa University should be forever devoted to the purpose of education in Ottawa under the auspices of the Baptists of Kansas, that it should never be encumbered by mortgage and that the proceeds from the sale of any part of it should be used as an endowment. With this settlement of equities the history of Ottawa University begins.

In 1873 the Board of Trustees was increased in number from six to twenty-four; in 1910 to thirty-six.

While the institution has been established, maintained and largely supported by Baptists, it is no sense sectarian. It encourages Christian culture and a manly, genuine Christian life founded upon the Bible as the sole and sufficient authority in all matters religious. It teaches that a symmetrical character must include Christianity. Its equipment is adequate and its teachers are progressive.

The growth of the institution has been steady and sure. Up to 1895 the students in the Academy outnumbered those in the College; from then until 1900 the numbers in each were about equal; since 1900 the College has steadily outstripped the Academy. In 1920 the College students numbered 254, the Academy 81. The Academy is still retained, partly because of the unique advantages it offers, partly because many rural high schools cannot adequately prepare students for college.

The endowment funds were in 1890 about \$50,000; in 1900 about \$80,000; in 1910 about \$170,000. In 1920 the endowment is \$200,000. It is expected that as a result of the five-year program of the Northern Baptist Convention the endowment in 1925 will be one million dollars. The total indebtedness of the University was cancelled February 1, 1920. The total assets of the University in 1919 were estimated at \$852,576. It is expected that the present campaign of the Northern Baptist Convention will bring the assets by 1925 to \$1,700,000.

The original college building was built of stone in 1869 and contained some living rooms as well as recitation rooms and chapel. It was burned in 1875 and rebuilt the same year. Since 1903 it has been the Science Hall.

Charlton Cottage, the young women's dormitory, was erected in 1890 as a result of the arduous labors of Mrs. O. C. Charlton, for whom it was named.

The main building, called University Hall, was built in 1902 to replace a new and smaller building that was burned on September 10, 1902.

The gymnasium, called the Students' Building, was erected in 1914 at a cost of \$31,000.

A new science building, to be called Ward Science Hall, in honor of Dr. M. L. Ward, is in process of erection.

A central heating plant will be erected this year.

The following men have been at the head of the institution: Rev. E. C. Anderson, Principal, 1874-1876; Prof. P. J. Williams, President, 1877-1881; Prof. T. M. Stewart, Acting President, 1881-1883; Rev. M. L. Ward, President, 1883-1888; Rev. George Sutherland, Acting President, 1888-1890; Rev. Franklin Johnson, President, 1890-1892; Rev. F. W. Colegrove, President, 1892-1896; Rev. J. D. S. Riggs, President, 1896-1899; Prof. R. A. Schweger, Acting President, 1900-1906; Rev. S. E. Price, President, 1906—.

While the present financial outlook of the University is promising, there is still immediate and urgent need of money for the following purposes: (1) Two additional dormitories, (2) endowment of special chairs of instruction, (3) scholarship funds to provide for the tuition of deserving students.

Contributions may be made on the Annuity Bond plan, and the donor can receive a liberal rate of interest upon the funds as long as he lives, if this is necessary. For full information upon this plan address the President. Or they may be made by a Bequest provided in your will, as follows:

I give and bequeath to the Board of Trustees of Ottawa University, Ottawa, Kansas, the sum of \$..... (or the following described property) for the following purpose, to-wit:

Upon general principles it is better to give the cash to the trustees and permit them to use the funds as the needs of the University may demand. They are familiar with the most urgent requirements. A form of bequest that leaves the funds entirely in the hands of the Trustees is as follows:

I give and bequeath to the Board of Trustees of Ottawa University, Ottawa, Kansas, the sum of \$..... (or the following described property).

We urge upon the friends of Christian Education to make liberal provision for this vital phase of the work of the Kingdom.

GENERAL INFORMATION

LOCATION

Ottawa University is located at Ottawa, Kansas, fifty-eight miles southwest of Kansas City. Ottawa is on the main line of the Missouri Pacific railway, and is reached by the Santa Fe system from five directions. It has a population of 10,000 and is the county seat of Franklin county. The city is supplied with natural gas, and has an excellent municipal electric light plant and a large municipal auditorium, which will soon be completed. The public Carnegie library is situated in Library Park, four blocks from the college campus. Facing this park is the fine, new city high school. Ottawa is a city of homes, strong churches and good schools. Many families have moved here for the purpose of educating their children.

CAMPUS AND BUILDINGS

The Campus of thirty-three acres is in the south side of the city. Several paved streets lead from the center of the city to the campus. The northwest entrance is at Ninth and Cedar streets.

Science Hall, the original college building, contains chemical and biological laboratories, a psychological laboratory, lecture rooms and the museum.

Charlton Cottage is a dormitory with accommodations for twenty-four young women. It is well furnished, has reception rooms and its own dining hall.

University Hall is a stone structure three stories in height. It is 38 1/2 by 152 feet in outside dimensions with a width of 95 feet in the center. It contains the administration offices, two large fire-proof vaults, the chapel with 600 seats, a physics laboratory, two society halls, thirteen recitation rooms, the library, rest-room for ladies, lavatories and coat rooms. The building is completely furnished.

The **Gymnasium** is a fine stone structure, built in 1914 at a cost of about \$24,000. The building is three stories high, 106 feet long and 70 feet wide. On the first floor are the physical directors' rooms, the lockers, dressing rooms, shower baths, and a modern swimming pool, 20 feet wide and 55 feet long. On the second floor are three rooms: a reception room, a kitchen, and a basketball floor, 66 by 88 feet in size. The third floor contains a handball court and a gallery with running track.

Ward Science Hall, now in course of erection, is built of native stone with Bedford, Indiana, cut stone trimmings. It is three stories high, 125 feet long and 62 feet wide. The basement floor is for the department of Physics and Engineering, the first floor for Biology, the second floor for Chemistry. Each floor contains one large lecture room that will seat 125 persons, three large laboratories, two small laboratories, a dark room, a store room, and an office. The laboratories will be supplied with water, gas, electricity, both alternating and direct current, and apparatus sufficient to do excellent work.

The **Conservatory of Music** is located at the corner of Fourth and Main streets. It has a reception room, several teaching rooms and a large recital hall.

EQUIPMENT

The Biological Laboratories.—There are four laboratories and lecture rooms occupied by this department. These are fully equipped for all of the work that is given. In the Bacteriological laboratory there is an autoclave, hot air sterilizer, and compound microscope. Two microtomes including a new Minot instrument, paraffin bath, glassware, stains, chemicals and mounting media, are a part of the Histology equipment. The General Biological Botanical and Zoological laboratory contains Disopticon and many fine lantern slides, microscopes and microprojector slides, manikins, Pilling's Blood Pressure apparatus, Haemaglobinometer, Photomicrographic apparatus, charts, maps, technical glassware, etc.

The Chemical Laboratories are two in number. The laboratory for General Chemistry is furnished with tables for forty-four students. Each student has his own individual outfit. He is supplied with reagent bottles, beakers, flasks, porcelain ware, thermometer, dropping funnel, graduated cylinder, gas bottles, wash bottles, rubber stoppers, clamps, etc., seventy pieces of apparatus valued at \$10. In the laboratory for Quantitative Analysis each student is provided with thirty-five reagent bottles, assorted beakers, flasks, porcelain ware, test tubes, thermometer, platinum wire, etc., eighty-five pieces valued at \$12.50. The laboratory is supplied with gas generators, a water still and side shelf reagents. Chemically pure reagents are provided for the entire work of this course.

For the work in Quantitative Analysis the department furnishes good analytical balances and weights. Each student is provided with a complete assortment of beakers, flasks, porcelain ware, desiccators, weighing bottles, burettes, pipettes, graduated flasks, cylinders, etc., ninety pieces of good apparatus valued at \$15.

For the work in Organic Chemistry the laboratory is supplied with everything necessary for good work. Each student is furnished with ninety-five pieces of apparatus valued at \$15. The work consists of organic preparations. The equipment is such as to enable the student to do the same grade of work that is done in the best colleges and universities.

For the work in Food and Water Analysis the laboratory is provided with all apparatus necessary for complete quantitative analysis of flour, milk, sugar, baking powder, butter and water. Each student is supplied with ninety-five pieces of apparatus valued at \$17.50.

For the work in Physical Chemistry the laboratory is supplied with Beckman thermometers, conductivity cells, polariscope, transport number apparatus, etc., so that the student can do the best grade of work.

For the work in Advanced Quantitative Analysis each student is furnished with an equipment similar to that provided for the elementary course in this subject but more complete.

New apparatus is being added constantly in order to keep the work up to the highest degree of efficiency.

Physics.—The department occupies two rooms in the basement of University Hall. The larger one is 60 feet square and is the main laboratory and lecture room, and contains a large dark room for experimental work in optics. The laboratory is supplied with water, gas, and electric circuits furnishing both direct and alternating currents,

and with stone piers and shelves, giving instrument supports free from vibration. The apparatus is sufficient to show in lectures all the experiments usually given in college physics and to enable the students to perform in the laboratory most of the experiments described in laboratory manuals of college physics. A partial list of the most important pieces of the laboratory equipment would include the following: One X-ray machine, one Foucault heliostat, one cathetometer and one spherometer (Société Genevoise), two spectrometers, five D'Arsonval galvanometers, ten resistance boxes, one Wheatstone's P. O. Bridge, five slide wire bridges, one measuring microscope, two motor-generator sets, one four horse power gas engine, one 1-kw. rotary converter, one three-fourths horse power direct current motor, five transformers, one wireless outfit, two hand power generators, one water motor, two Geryk air pumps, one Schmidt and Haensch polariscope, twelve D. C. and A. C. ammeters, voltmeters, wattmeters, one standard condenser (Leeds and Northrup), one earth inductor, one optical disc, one six-inch induction coil, a large number of Geissler, Crookes, and X-ray tubes for the study of electrical discharges in high vacuum, and a spectroscope for demonstrating radium energy. New apparatus is added, when it is required for the best work.

Mechanical Drawing.—This department is located in a room in the basement of University Hall. Each student has an individual drafting table. Mechanical Drawing is given during the Freshman and Sophomore years and is taken by those students preparing for technical work, and also by those scientific students who are specializing in physical science.

Surveying.—The equipment for surveying consists of a Gurley engineer's transit with vertical circle and stadia wires; a Keuffel and Esser engineer's Y level; a Wimmer transit, rods, tapes, chains, slide rules, planimeters and other minor instruments.

The Museum has been almost entirely re-classified recently by one of the best experts in this country. Liberal use is made of these specimens in the study of Geology and Biology.

The Crèvecoeur Entomological Collection contains 18,000 specimens of insects representing more than 7000 species. In some ways it is the most valuable collection of insects in the state. The specimens are properly named and classified. The cases are labeled so as to be readily available for use in classes. This collection amply supplies much needed material for economic as well as biologic study and research. The donor, Mr. F. E. Crèvecoeur of Orangetown, also presents the college with a fine herbarium of flowering plants from the middle West. This herbarium is being mounted by Miss Grace Meeker of Ottawa and will soon be in working condition.

The Library contains over 10,100 volumes. The books are mostly recent and have been carefully selected to meet the needs of each department of the college. They are classified according to the Dewey system and are easily accessible. The library is well supplied with reference books and periodicals.

EXPENSES

We all recognize the rapidity with which the cost of living has advanced during the past few years. Educational institutions have felt it very keenly. The Trustees of Ottawa University have not at-

tempted to advance the tuition and fees in proportion to the increased cost of living. They, however, believe that the income from students' fees should provide for at least two-fifths of the current expenses of the institution. When compared with similar charges in larger colleges and universities these fees will be found very moderate.

Tuition and Regular Fees.

Tuition, each Semester	\$25.00
Incidentals, each Semester	8.00
Library Fee, each Semester	4.00
Student Enterprise Fee, each Semester	3.00

Board and Room.—A large majority of the students secure rooms and board with families near the campus. A list of approved rooms is kept in the University office. Several boarding clubs are formed each year. Young ladies who desire to engage room and board in Charlton Cottage should correspond with the Matron, Miss Margaret Stickler, before the opening of the semester. The cost of room and board at the Cottage this year has been \$2.75 or \$6.00 a week according to the room occupied. Board alone has cost \$6.00 a week. The rooms in the Cottage are furnished, but students are required to provide their toilet articles and linen.

Financial Aid.—Approved students for the ministry who are in the third year in the Academy or above may expect to receive aid equal to the tuition from funds designated for that purpose. Children of ministers actually engaged in the ministry will receive a concession of one-half the tuition. There are about twenty endowment scholarships, each of which provides for the tuition of one student. The Women's Educational Society has a fund from which loans are made without interest to worthy students. Employment can often be secured in the city both by young men and by young women. In this way several students can earn enough to pay part or even all of their expenses. Any student who wishes such work should write to the President of the University.

Laboratory Fees.

Astronomy	\$1.00
Biological courses, except 1 and 2, each	4.00
Biological courses, 1 and 2, each	6.50
Chemistry, 1, 2, each	7.50
Chemistry, 3, per hour	2.50
Chemistry, 4, per hour	2.00
Chemistry, 5	6.00
Chemistry, 6	6.00
Home Economics, A, Academy Course	4.00
Home Economics, B, Academy Course	1.00
Home Economics, 1	5.00
Home Economics, 2	5.00
Home Economics, 3	1.00
Home Economics, 4	6.00
Physics, 1, 2, A, B, C, D, each	4.00
Physics, 5, 6, each	6.00
Physiology, A	3.00
Physiology, B	2.00
Physiology, C	2.00
Surveying	5.00
Typewriting	5.00

Registration Fee.—This fee is one dollar, but will be remitted if the registration is made on the first two days of the semester.

Tennis Fee.—This is required only of those who use the University courts and is \$.50 per semester.

Graduation Fees.—For every degree conferred by the College of Liberal Arts and by the Conservatory of Music a fee of five dollars is collected. For graduation from the Academy, and for the certificate in Music a fee of two dollars is charged.

Special Regulations Regarding Fees and Charges.—The charges for students registering for less than the full amount of work shall be as follows: students taking one subject shall pay \$2.00 per semester hour in the College and \$2.00 per semester hour in the Academy; however, no charge of less than \$7.50 will be made. Students taking more than one subject shall pay \$2.00 per semester hour tuition in addition to all the regular fees up to the full amount of the regular charges.

Students taking more than seventeen semester hours' work in the College or twenty semester hours in the Academy, at one time, shall pay in addition to the regular charges \$2.00 per semester hour in the College and in the Academy, for each additional hour.

Students entering late in the semester with the expectation of making up the work already done in the classes shall pay the regular charges for the semester; students present one-half of the semester or less shall pay \$1.75 per week for the time they are present.

No fees will be refunded after the first week of the semester. Any student who on account of sickness or other reasons (except discipline) is obliged to withdraw from the institution during the semester may receive a credit certificate for the unused amount of his tuition. This may be used by him or any member of his family at a later time.

These fees and charges are subject to change without notice by the Board of Trustees.

SCHOLARSHIPS AND DESIGNATED FUNDS

These provide for the tuition, in some cases for the tuition and fees, of worthy students. Usually each scholarship or fund bears the name of the donor or donors; sometimes the name of a member of the donor's family.

The John Tecumseh Jones Fund of \$3,387.45.

The H. O. Stocomb Fund of \$1,000.

The Fern Willis Memorial Scholarship Fund of \$1,000.

The Mrs. Blanchard Fund of \$807.50.

The Filson-Shoemaker Memorial Scholarship Fund of \$1,200.

The George S. Holt Memorial Scholarship Fund of \$700.

The Octavia Reed Scholarship.

The Harriet Chase Tyler Scholarship.

The Lucie M. and William F. Holroyd Scholarship.

The Abigail Bevington Scholarship.

The Simon Cole Scholarship.

The Peter and Matilda Bollinger Scholarship.

The Pearl B. Kellogg Scholarship.

The Harry W. and Jennie M. Grass Scholarship.

The Cordelia Russell Scholarship.

The Theodore F. and Cynthia E. Bradbury Scholarship.

The James P. and Sallie D. Hall Scholarship.

The Abraham C. and Eliza F. Miles Scholarship.

The C. L. and C. G. Kinney Scholarship.

The Edwin and Louisa Potter Scholarship.

The Sarah E. and Ella E. Alderson Scholarship.

The J. W. Tate Scholarship.

The M. L. Ward Memorial Scholarship, founded by the Alumni Association of Ottawa University.

The Merrick K. Barber Endowment (not yet available).

The Prof. and Mrs. M. L. Ward Scholarships (not yet available).

University Scholarships.—The Trustees will grant a scholarship covering tuition for one year in the College to each accredited High School and Academy in the state, to be given to that member of the graduating class of that current year who ranks first in scholarship.

A similar scholarship good for tuition for one year in the Academy will be given to the highest ranking graduate in the non-accredited High Schools and the County Common Schools.

These scholarships are granted to encourage students to continue their education. It is necessary for those entitled to these scholarships to present a certificate signed by the Principal, Superintendent or County Superintendent, as the case may be, and Prof. D. L. McEachron, secretary of the Kansas College Presidents' Association. Blanks for this purpose may be secured from the local schools or from Prof. McEachron, Washburn College, Topeka.

The Governor Library Fund of \$1,000.

The Becker Library Fund of \$500.

The E. K. Chandler Library Fund of \$1,000.

PRIZES AND TROPHIES

The Junior Oratorical Contest, open to members of the Junior Class. First prize of ten dollars; second, of five dollars.

The Sophomore Essay Prizes, the first of ten and the second of five dollars. Awarded to members of the Sophomore class.

The Freshman Latin Prizes. The First National Bank of Ottawa gives a first prize of ten dollars, and the Dorsey Drug Co., a second prize of the Latin books used in the Sophomore year to the Freshmen who rank respectively first and second in the Latin work of the year.

The Freshman Declamation Prizes, amounting to ten and five dollars are awarded to Freshmen who excel in declamations.

Debate Prizes, the first of \$25.00, the second of \$20.00, are given by two business men of Ottawa to the two best debaters of the year.

Freshman-Sophomore Class Cup, presented by the class of 1904. Awarded to the winners of the Inter-class Debate.

Football Cup. Awarded to the College class winning inter-class football.

Schmeler Arms Cup. Awarded to the Academy class whose girls excel in athletics.

M. L. Ward Cup. Awarded to the Academy class whose boys excel in athletics.

Declamation Cup. Awarded to the Academy class which excels in declamation and debate.

Academy English Prize, consisting of ten dollars, given by Miss Hope Converse in honor of her mother, Mrs. C. C. Converse, awarded

to the member of the graduating class in the Academy who has excelled in English. Not given to the winner of the Academy scholarship.

Lowie and Campbell Cup. Awarded twice a year to the winner of the men's tennis tournament.

Armstrong Cup. Awarded twice a year to the winner of the women's tennis tournament.

REGULATIONS

Entrance.—Students who have completed the eight grades in the public schools are admitted to the first year in the Academy without examination. Admission to any class higher than the first year in the Academy may be secured either by examination or by certificate. The certificate must cover these facts: subject studied, text book, length of recitation, number of weeks and grade earned. A blank for this purpose can be secured by addressing the President of Ottawa University. These certificates should be mailed to Ottawa University before the opening of the semester. Students who present certificates from High Schools accredited by the University of Kansas will be given full credit for all the work that they have done. Candidates who present their grades by mail may learn in advance to what extent their credits will be approved.

Registration.—Rules regarding registration, examinations, absences, deficiencies, also athletics and other public contests, will be placed in the hands of the students at the beginning of the college year.

Grades.—The class standing of students is expressed by the letters A, B, C, D, E, F, and L. A indicates excellent work, B good work, C fair work, D poor work but of passing grade, E a condition, which may be removed by special examination, F failure, when the work must be done again in order to receive credit, I incomplete work, which may be made up without a special examination. A statement of the Freshman, Sophomore and Academy grades is sent to the parents or guardians at the middle and at the close of each semester.

Excess Work.—No college student will be allowed to carry more than 16 hours of recitations per week for the first semester in residence. Students whose work is of sufficiently high quality may thereafter, with the consent of the Registration Committee, take 17 hours' work. In no case may a student carry more than 17 hours, except by consent of the Faculty.

STUDENT ORGANIZATIONS AND ACTIVITIES

Student Council.—The Student Council is composed of eleven members, one from each class in the College, three from the Academy and four from the student body at large. This Council has in charge certain student enterprises. Every student has a vote in electing the Council, regular reports are made by the Council to the student body. In this way every student has a part in the management of student enterprises.

The Campus.—This is a weekly paper issued by the students during the academic year. The editor and business manager are elected by the student body under the direction of the Student Council. While it requires a large amount of a student's time, it gives splendid practice in journalism and business management.

Oratory.—The Student Council provides for a local oratorical contest each year. The winner in this contest represents the University at the State Oratorical Contest. Also the students participate in the State Prohibition Oratorical Contest and the Peace Contest.

Debates.—Several inter-collegiate debates are held each year under the direction of the Student Council. In addition to the inter-collegiate debates there are regularly the inter-society, and the Freshman-Sophomore debates.

Athletics.—The College usually maintains football, basketball and baseball teams, tennis and track athletics. Several tennis courts on the campus are in use during the season.

Literary Societies.—Two literary societies—the Philaethan and Olympian—have fine halls in which weekly meetings are held. The Academy also has a literary society.

Christian Associations.—The Y. M. C. A. and the Y. W. C. A. hold devotional meetings each week. Group classes meet regularly for Bible study or for Mission study. Also Gospel team work and Sunday School classes are maintained.

Orchestra.—The College Orchestra is one of the most prominent and unique student organizations. It assists in the daily chapel exercises, gives occasional concerts at home and also in neighboring cities.

The Ministerial Association.—The students who have the ministry in view have formed an association to consider topics of special interest to themselves. Occasionally speakers from the city or abroad are invited to address this body.

The Volunteer Band.—The students who are looking forward to foreign missionary work meet each week to study some phase of the work.

THE COLLEGE OF LIBERAL ARTS

REQUIREMENTS FOR ADMISSION

In harmony with the other accredited colleges in Kansas, Ottawa University requires fifteen units for unconditional admission to the College of Liberal Arts. (A unit as here used is a subject pursued for thirty-five weeks in an accredited High School or Academy, with recitation periods aggregating each week not less than two hundred minutes). Students presenting fourteen units will be entered conditionally with the understanding that the unit lacking will be made up during the first year in college.

The following "schedule of admitted units," arranged in six groups, indicates the amount of work that may be presented in each group, and the amount required. The work covered in these subjects is that which is outlined in the "Course of Study for the High Schools of Kansas" issued by the Board of Education. Half units are not acceptable except as indicated in the schedule.

Schedule of Admitted Units

Group I. English: Minimum, 3 units; maximum, 4 units.

Group II. Foreign Languages: Minimum, 2 units. Any of the following languages may be chosen: Latin, 1 to 4 units; Greek, 1 to 3 units; German, 1 to 4 units; French, 1 to 3 units; Spanish, 1 to 3 units.

Group III. Mathematics: Minimum, 2 units. Elementary Algebra, 1½ units; Plane Geometry, 1 unit; Solid Geometry, ½ unit; Advanced Algebra, ½ unit; Plane Trigonometry, ½ unit.

Group IV. History: Minimum, 1 unit. Ancient History, 1 unit; Medieval and Modern History, 1 unit; English History, 1 unit; American History, 1 unit; Economics, 1 or ½ unit; Civics, 1 or ½ unit.

Group V. Science: Minimum, 1 unit. Physical Geography, 1 or ½ unit; General Science, 1 or ½ unit; Physics, 1 unit; Chemistry, 1 unit; Botany, 1 unit; Elementary Biology, 1 unit; Zoology, 1 unit; Physiology, ½ unit; Forging, 1 or ½ unit.

Group VI. Miscellaneous: Minimum, none; maximum, 4 units. Wood-working, Drawing, Domestic Art, Domestic Science, Domestic Art and Science, Agriculture, Bookkeeping, Bible, Music, each 1 or ½ unit; Stenography, 1 unit; Commercial Law, Commercial Geography, Psychology, Methods and Management, History of Commerce, Typewriting, each ½ unit; Forging, 1 or ½ unit.

The specific requirements may be stated as follows: English, 3 units; one foreign language, 2 units; Mathematics, 2 units; History, 1 unit; Science, 1 unit.

At least three units must be presented in some group other than Groups I and VI. It is preferred that the Foreign Language requirement be Latin in all cases except that of engineering students. In their case a modern language should be presented. It is wise for students to plan their course so that their work in college shall be a continuation of their work in High School in at least three subjects, in order to avoid a violent break between High School and College.

Accredited High Schools and Academies

Students from accredited high schools or academies are required to present a certificate signed by the head of the school stating in detail the amount of work done. Blank certificates for this purpose can be had by addressing the President.

Students coming from schools not fully accredited are advised to bring a complete statement of all work that they have done, including text books used, length of time spent on each subject, note books, etc. Each such case will be settled upon its own merits. Examinations will be required only in cases where it is not clear that the work has been up to the standard. In no case, except from the Academy of Ottawa University, will it be sufficient to present a diploma. Credits given upon certificates are conditioned and may be withdrawn if the work of the student shows his preparation to have been superficial.

Advanced Standing

Students presenting credits from approved colleges will receive advanced standing for all work done in such institutions. Advanced standing for work done in a preparatory school may be granted only by vote of the faculty, except that college credit for fourth year English, German, Physics, Chemistry, Botany, third year Mathematics, and third and fourth year Latin may be granted by the Committee on Advanced Standing upon the following conditions: 1. Application for advanced standing shall be made during the first year of college residence. 2. Application for advanced standing will be considered only with reference to work done in excess of the requirement for graduation from the secondary school of which the applicant is a graduate. 3. The applicant for advanced standing shall take an examination on the subject matter concerned; provided, however, that the instructor concerned may grant credit on the basis of the quality of work done in continuation of the same subject. 4. The examination shall be held on the first Wednesday in March.

Classification

The Academic year is divided into two semesters. The unit of work is a subject carried for one hour a week for one semester and designated "one semester hour." Two or three hours of laboratory or field work are counted as one semester hour.

A student is classified as Freshman who has presented not less than fourteen units for admission. He will be classed as Sophomore when he has made up the deficiency in entrance credits and has completed not less than twenty semester hours of work; as Junior when he has completed fifty hours of work; as Senior when he has completed eighty hours of work.

REQUIREMENTS FOR GRADUATION

Groups of Subjects

The work of the College of Liberal Arts is divided into the following groups:

1. English Language and Literature.
2. Ancient Languages—Greek and Latin.
3. Modern Languages—German, French and Spanish.

4. Mathematics and Physics.
5. Chemistry and Geology.
6. Biological Sciences.
7. History and Political Science.
8. Economics and Sociology.
9. Philosophy, Psychology and Education.
10. Biblical Literature and Religion.
11. Home Economics and Music.

Required Work

In the Freshman and Sophomore years at least five semester hours of work must be taken from each of four groups. Before graduation at least five semester hours must be taken in each of eight groups out of the first ten groups. This last requirement will not apply to the classes of 1920 and 1921. At the close of the Sophomore year each student shall choose a major and a minor group. He shall during his course complete at least twenty-six semester hours of work in his major group, and thirteen semester hours in his minor group, subject to such conditions as the department concerned may prescribe. In the selection of minors, German, French, Philosophy (inclusive of Psychology), Chemistry, Physics and Education shall each be considered a distinct group. Students who complete 120 semester hours of work with at least thirty honor points shall be recommended for the degree of A. B. if their major subject is chosen from Groups 1, 2, 3, 7, 8, 9, or 10; for the degree of B. S. if their major is chosen from Groups 4, 5, or 6.

Before choosing his major and minor groups the student should advise with the heads of the departments which he chooses. All Juniors and Seniors must secure the approval of the head of the department in which their major subject is taken before presenting their schedule for the approval of the registration committee.

In reckoning of majors Philosophy and Psychology may be counted in group 10, Old Testament History, New Testament History, Greek Civilization and Roman Civilization in group 7.

The following courses are prescribed for all candidates for a Bachelor's degree: English 1 and 2, a laboratory science five hours, foreign language, inclusive of that offered for admission, equal to four entrance units, Psychology three hours, Ethics three hours, Christian Evidences two hours.

Candidates for the Bachelor's degree must spend at least one year, and that the last, in residence work at the University and must make thirty hours' credit.

A reading knowledge of modern languages is advisable for all students who are planning to do graduate work at any university.

Honor System

The quantity of a student's work is designated by semester hours, the quality by honor points, which are determined as follows: For each semester hour's work in which a student receives the grade of A one honor point is given, for B one-half honor point, for C one-fourth honor point, for D no honor. In order to be graduated a student must earn thirty honor points during his entire course.

Final honors are awarded as follows: Students who have secured one hundred or more honor points during the course will be graduated "with honors." In exceptional cases the faculty may recommend to the trustees that a student be graduated "with highest honors," because of scholarship, efficiency and general activities.

Students who do less than 120 hours' work in Ottawa University, bringing credits from other institutions, shall be required to make for graduation honor points amounting to one-fourth the number of hours done in Ottawa University, and for "honors," five-sixths the number of such hours; provided, that students doing less than 60 hours' work in Ottawa University shall be required to make 12 honor points for graduation.

Class scholarship honors are awarded as follows: "First honors" are awarded at the end of each year to those members of each of the four classes who have secured 25 or more honor points during the year; "second honors" to those who have secured less than 25 and more than 22 honor points.

To be eligible to these honors one must have no failures or unremoved conditions on the year's record.

STATE TEACHERS' CERTIFICATES

Ottawa University is an accredited college under the state laws of 1893 and 1895. Students who complete specified work in Psychology and Education receive the State Teachers' Certificates described on another page.

The Board of Recommendations has a thoroughly organized system for securing positions for students and graduates who complete work required for the state certificates. We are able to place all of these and could place many more. It is also the duty of the Board of Recommendations to work for the graduates of the College who are teaching. Students who come to Ottawa University to prepare for teaching need have no fear about securing a position.

SUGGESTED COURSES OF STUDY

The following plans are presented to show typical combinations of subjects leading to specific purposes or careers. These are not the only combinations possible; others may be made to suit other needs and callings. The student should freely consult the Dean and various instructors in order to plan his studies most advantageously.

Course leading to Agriculture

FRESHMAN YEAR

First Semester		Second Semester	
Rhetoric 1	2 hours	Rhetoric 2	2 hours
History 1	2 hours	History 2	2 hours
General Biology	5 hours	Chemistry 1	4 hours
Trigonometry	2 hours	Surveying	2 hours
College Algebra	2 hours	Roman Civilization	2 hours
		Elective	2 hours

SOPHOMORE YEAR

Psychology, General	2 hours	Rural Problems	3 hours
Chemistry 2	5 hours	Organic Chemistry	5 hours
Zoology, Invertebrate	2 hours	Zoology, Vertebrate	3 hours
Modern Language	5 hours	Modern Language	5 hours

JUNIOR YEAR

Botany	2 hours	Botany	2 hours
Principles of Business	2 hours	Entomology	3 hours
Physics	5 hours	Money and Banking	3 hours
Apostolic Age	2 hours	Physics	5 hours
Elective	2 hours	Elective	2 hours

SENIOR YEAR

Ethics	2 hours	Christian Evidences	2 hours
Old Testament History	2 hours	Agriculture	3 hours
American History	2 hours	Bacteriology	2 hours
Elective	6 hours	Elective	3 hours

Course leading to Business or Law

FRESHMAN YEAR

First Semester		Second Semester	
Rhetoric	2 hours	Rhetoric 2	2 hours
English History	2 hours	English History 2	2 hours
or		or	
Greek Civilization	2 hours	Roman Civilization	2 hours
General Biology	5 hours	Chemistry 1	6 hours
College Algebra and		Analytic Geometry	5 hours
Trigonometry	5 hours	or	
or		Modern Language	5 hours
Modern Language	5 hours		

SOPHOMORE YEAR

Chemistry 2	5 hours	Principles of Economics	3 hours
General Psychology	3 hours	Integral Calculus	2 hours
Principles of Economics	3 hours	or	
Differential Calculus	3 hours	Electives	3 hours
or		Electives	2 hours
Elective	4 hours		

JUNIOR YEAR

Principles of Sociology	2 hours	Principles of Sociology	2 hours
Advanced Courses in Economics	4 hours	Advanced Courses in Economics	4 hours
American Government	3 hours	State Government	2 hours
Elective	6 hours	Elective	7 hours

(Physics 1 and 2 are desirable)

SENIOR YEAR

Ethics	3 hours	Christian Evidences	2 hours
Advanced Economics	4 hours	Advanced Economics	4 hours
History	3 hours	History	3 hours
Elective	6 hours	Elective	6 hours

Course for Chemists

FRESHMAN YEAR

First Semester		Second Semester	
Rhetoric 1	3 hours	Rhetoric 2	2 hours
College Algebra	3 hours	Analytic Geometry	5 hours
Trigonometry	2 hours	Chemistry 1	6 hours
Modern European History	3 hours	Modern European History	3 hours
General Biology	5 hours		

SOPHOMORE YEAR

Differential Calculus	3 hours	Integral Calculus	2 hours
Physics 1	5 hours	Physics 2	5 hours
Chemistry 2	5 hours	Organic Chemistry	5 hours
Elective	3 hours	Elective	3 hours

JUNIOR YEAR

Organic Chemistry	5 hours	Quantitative Analysis	5 hours
Quantitative Analysis	3 hours	French	5 hours
French	3 hours	Elective	5 hours
Elective	3 hours		

SENIOR YEAR

Physical Chemistry	4 hours	Physical Chemistry	4 hours
Elective	11 hours	Elective	11 hours

Course in Home Economics

FRESHMAN YEAR

First Semester		Second Semester	
Rhetoric 1	5 hours	Rhetoric 2	2 hours
Physiology, General	5 hours	Chemistry 1	6 hours
Home Cooking	3 hours	Home Architecture and Sanitation	2 hours
Clothing	4 hours	Elective	5 hours

SOPHOMORE YEAR

Chemistry 2	5 hours	Organic Chemistry	5 hours
Botany	3 hours	Physiology	3 hours
Psychology	2 hours	Botany	3 hours
Food 1	3 hours	Elementary Dietetics	4 hours
Social Problems	3 hours		

JUNIOR YEAR

Physiological Chemistry	4 hours	Food 2	5 hours
Bacteriology	3 hours	Principles of Economics	3 hours
Principles of Economics	3 hours	Elective	7 hours
Elective	3 hours		

SENIOR YEAR

Ethics	3 hours	Christian Evidences	2 hours
Textiles	3 hours	Household Management	3 hours
Elective	10 hours	Elective	10 hours

Course leading to Journalism

FRESHMAN YEAR

First Semester		Second Semester	
Rhetoric 1	2 hours	Rhetoric 2	2 hours
History 1	2 hours	History 2	2 hours
or		or	
Greek Civilization	2 hours	Roman Civilization	2 hours
General Biology	5 hours	Chemistry 1	6 hours
French or Spanish	5 hours	French or Spanish	5 hours

SOPHOMORE YEAR

Psychology 1	3 hours	Social Psychology	3 hours
History of Eng. Lit.	3 hours	History of Am. Lit.	3 hours
Advanced Composition	2 hours	Advanced Composition	2 hours
Social Problems	2 hours	Rural or City Problems	3 hours
Elective	5 hours	Elective	5 hours

JUNIOR YEAR

Political Science	3 hours	Journalism	2 hours
Journalism	2 hours	Shakespeare's Tragedies	3 hours
Shakespeare's Comedies	3 hours	Elective	10 hours
Elective	7 hours		

SENIOR YEAR

Ethics	3 hours	Christian Evidences	2 hours
Life of Christ	3 hours	Apostolic Age	3 hours
Elective	9 hours	Elective	16 hours

Pre-Engineering Course

FRESHMAN YEAR

First Semester		Second Semester	
College Algebra	3 hours	Analytic Geometry	5 hours
Trigonometry	2 hours	Descriptive Geometry	2 hours
Mechanical Drawing	2 hours	Chemistry 1	6 hours
Rhetoric 1	3 hours	Rhetoric 2	2 hours
General Biology	5 hours		

SOPHOMORE YEAR

Differential Calculus	3 hours	Integral Calculus	3 hours
Physics 1	5 hours	Physics 2	5 hours
Chemistry 2	5 hours	Quantitative Analysis	5 hours
Elective	3 hours	Elective	3 hours

JUNIOR YEAR

Electric and Magnetic Circuits	4 hours	General Surveying	2 hours
Modern Language	5 hours	Modern Language	5 hours
Psychology	3 hours	Machine Drawing	3 hours
Elective	4 hours	Elective	6 hours

SENIOR YEAR

Direct Current Mach.	3 hours	Alternating Currents	3 hours
Ethics	3 hours	Christian Evidences	2 hours
Elective	10 hours	Elective	11 hours

Pre-Medical Course

FRESHMAN YEAR

First Semester		Second Semester	
Rhetoric 1	3 hours	Rhetoric 2	2 hours
Trigonometry	2 hours	Chemistry 1	6 hours
General Biology	5 hours	Physiology	3 hours
Modern Language	5 hours	Modern Language	5 hours

SOPHOMORE YEAR

Physics 1	5 hours	Physics 2	5 hours
Inorganic Chemistry	5 hours	Bacteriology	3 hours
Modern European Hist.	3 hours	Organic Chemistry	5 hours
Zoology	3 hours	Modern European Hist.	3 hours

JUNIOR YEAR

Organic Chemistry	5 hours	Quantitative Analysis	3 hours
Botany	3 hours	Botany	3 hours
Modern Language	5 hours	Zoology	5 hours
Elective	3 hours	Elective	4 hours

SENIOR YEAR

Quantitative Analysis	3 hours	History	2 hours
Ethics	3 hours	Christian Evidences	2 hours
History	2 hours	Elective	11 hours
Elective	7 hours		

Course for Social and Religious Workers

FRESHMAN YEAR

First Semester		Second Semester	
Rhetoric 1	3 hours	Rhetoric 2	2 hours
General Biology	5 hours	Chemistry 1	6 hours
Foreign Language	5 hours	Foreign Language	5 hours
Elective	2 hours	Elective	2 hours

SOPHOMORE YEAR

Hist. of English Lit.	3 hours	Survey of American Lit.	3 hours
General Psychology	3 hours	Principles of Education	3 hours
Social Problems	3 hours	Rural Problems	3 hours
Old Testament History	2 hours	Old Testament History	2 hours
Elective	4 hours	Elective	4 hours

JUNIOR YEAR

Principles of Sociology	2 hours	Principles of Sociology	2 hours
Life of Christ	3 hours	Apostolic Age	3 hours
Principles of Economy	3 hours	Principles of Economics	3 hours
American Government	3 hours	State Governments	3 hours
History of the Bible	2 hours	Religious Education	2 hours
Elective	2 hours	Elective	2 hours

SENIOR YEAR

Ethics	3 hours	Christian Evidences	2 hours
History of Religion	2 hours	Psychology of Religion	2 hours
Sociology Courses	3 hours	Sociology Courses	3 hours
Elective	7 hours	Elective	5 hours

Courses leading to Sanitary Engineering

FRESHMAN YEAR

First Semester		Second Semester	
Rhetoric 1	3 hours	Rhetoric 2	2 hours
College Algebra	3 hours	Analytic Geometry	5 hours
Trigonometry	2 hours	Chemistry 1	6 hours
General Biology	5 hours	English History 2	2 hours
English History 1	2 hours		

SOPHOMORE YEAR

Differential Calculus	3 hours	Physiology	3 hours
Psychology	3 hours	Integral Calculus	3 hours
Organic Chemistry	5 hours	Organic Chemistry	5 hours
Elective	5 hours	Elective	5 hours

JUNIOR YEAR

Physics 1	5 hours	Physics 2	5 hours
Botany 1	3 hours	Bacteriology	2 hours
Histology	2 hours	Botany 2	3 hours
Elective	6 hours	Histology	2 hours
		Elective	4 hours

SENIOR YEAR			
Ethics	3 hours	Christian Evidences	2 hours
Zoology	3 hours	Entomology	3 hours
Electives	10 hours	Electives	10 hours

Course for Teachers

For a 60-Hour Certificate

FRESHMAN YEAR

First Semester		Second Semester	
English	3 hours	English	3 hours
General Biology	5 hours	Physiology	3 hours
European History	2 hours	European History	2 hours
Electives	5 hours	Electives	5 hours

SOPHOMORE YEAR

General Psychology	3 hours	Elementary Methods	3 hours
History of English Lit.	2 hours	School Management	3 hours
Electives	10 hours	Electives	10 hours

For a 120-Hour Certificate

FRESHMAN YEAR

Same as for a 60-hour Certificate, both semesters

SOPHOMORE YEAR

General Psychology	3 hours	Principles of Education	3 hours
History of English Lit.	2 hours	History of American Lit.	3 hours
Major and Electives	10 hours	Major and Electives	10 hours

JUNIOR YEAR

History of Education	3 hours	School Administration	3 hours
Sociology	2 hours	Applied Sociology	2 hours
Laboratory Science	5 hours	Major and Electives	11 hours
Major and Electives	6 hours		

SENIOR YEAR

Special Methods	1 or 2 hours	Secondary Methods	3 hours
School Administration	3 hours	Educational Psychology	3 hours
Major and Electives	10 hours	or	
		Child Psychology	3 hours
		Major and Electives	10 hours

COURSES OF INSTRUCTION

BIBLICAL LITERATURE AND RELIGION

1. The Life of Christ. The Historical background as well as the gospel records of His life and teachings. First semester, three hours.
3. 4. Old Testament History. The beginnings of early Old Testament times. The founders, rulers and crises of Israel. First and second semesters, two hours.
6. The Apostolic Age. Second semester, three hours.
7. The History of the Bible. The sources of the Old Testament; how the New Testament came to be written; the compiling of the Bible; its translations and versions. First semester, two hours.
8. Christian Evidences. The fundamentals of the Christian faith. Open to Juniors and Seniors. Second semester, two hours.
10. Religious Education. This course aims to give a broad vision of truth and service, to suggest means for consecration and to discuss the enlarged program of the church. Second Semester, two hours.
12. The History of Religion. Primitive religions developing into the great religions of the world and culminating in Christianity. First semester, two hours.
14. The Wisdom Literature of the Bible. The books of Job, the Proverbs and the Psalms. Second semester, two hours.

BIOLOGICAL SCIENCES

For a description of the laboratories and equipment see page 10.

1. General Biology. The more simple laws of life, and the relation between plants and animals are presented under this topic. Laboratory work on typical representatives of the lower orders of plants and animals form a large part of the course. This is designed as introductory to the advanced courses in Botany and Zoology, as well as for those who desire a general knowledge of the laws of life. Open to all. First semester, five hours.
2. Physiology, Human. A course in general physiology. Two lectures, recitations, or class demonstrations and one laboratory period each week. Open to all. Second semester, three hours.
3. Zoology, Invertebrates. A study of the structure, life history, and development of certain types representing the main groups of this division. Occasional field excursions will be included. Two lectures or recitations and one laboratory period each week. Open to all. First semester, three hours.
4. Zoology, Vertebrates. Comparative anatomy, physiology, and development of vertebrate types. Field excursions included. Two lectures and one laboratory period each week. Prerequisite, Course 3. Second semester, three hours.
5. Botany, General. A study of the nature and development of plants, with field observations upon the lower types found in this locality. Two lectures and recitations and one laboratory period each week. Open to all. First semester, three hours.
6. Botany, Seed Plants. Morphology, ecology, and classification. Students in this course may elect to arrange a herbarium as a part

of the work. Prerequisite, Course 1 or equivalent. Second semester, three hours.

7. **Histology, Plant and Animal.** A course in the various phases of histological technique; hardening, cutting, staining, and mounting. Preparation and mounting of twenty sections of typical tissues. Lectures and laboratory work. Prerequisite, Course 1 or equivalent. First semester, two hours.

8. **Histology.** Continuation of Course 7. Second semester, two hours.

9. **Cytology.** A course dealing with the structure and functions of the cell, with methods of work; special reference to the developmental phenomena of cell life, and the various problems centering upon those phenomena that have the mechanism of hereditary transmission. Prerequisites, Courses 2, 4, 5, 6, 7, and 8. First semester, three hours.

10. **Entomology.** Lectures, laboratory and field work on insects; a study intended to set forth the Biologic and Economic significance of this very important group. Prerequisite, Course 4. Second semester, three hours.

12. **Bacteriology.** A study of typical forms of pathogenic and non-pathogenic bacteria. Culture methods, inoculation, sterilization, prevention of diseases, soil bacteria, etc. Prerequisite, Course 1 or 2. Second semester, two hours.

13. **The Teaching of Biology.** This course deals with the laboratory and field side only and is intended to supplement the course in Special Methods in Education. Open to Seniors who are majoring in Biology. First semester, three hours.

14. **Agriculture, General Principles and Practices.** Courses suggested as preliminary, Chemistry 1, and Biology 3, 4, 5, 6, 10, and 12. Second semester, three hours.

CHEMISTRY

For students desiring an introduction to the scientific method and the principles of general chemistry, Courses 1 and 2 are offered. Students majoring in Biology or home economics will find it to their advantage to take Course 5.

Students are advised not to major in chemistry unless (1) they intend to use their knowledge of chemistry after leaving school as teachers, graduate students, or industrial chemists; and unless (2) they are prepared to do hard work. For a major in chemistry Courses 1, 2, 3, 4, and 6 are required. For a minor in chemistry, Courses 2 and either 4 or 6 are required.

1. **General Inorganic Chemistry.** Introduction to the nomenclature and fundamental principles of inorganic chemistry. Emphasis laid in particular on the atomic and ionic theories and an elementary knowledge of the theory of solutions together with practice in the observation of fundamental chemical phenomena. Prerequisite, high school geometry. Three lectures, one recitation, and two laboratory periods per week. Second semester, six hours' credit.

2. **General Inorganic Chemistry and Qualitative Analysis.** Lectures are continuation of Course 1. Laboratory work on the principles and practice of qualitative analysis according to the modern theory of solutions. Prerequisite, Course 1. First semester, five hours.

3. **Quantitative Analysis.** Lectures and laboratory practice in the principles and methods of gravimetric and volumetric analysis. Prerequisite, Course 2.

a. Gravimetric analysis, first semester, three to five hours.

b. Volumetric analysis, second semester, three to five hours.

4. **Organic Chemistry.** Lectures, recitations, and laboratory methods on the chemistry of the carbon compounds. Prerequisite, Course 2. Second and first semesters, five hours each semester.

5. **Physiological Chemistry.** An elementary course in human physiological chemistry designed especially for students of home economics and biology. Three lectures and recitations together with one laboratory period per week. Prerequisite, first semester of Course 4. First semester, four hours' credit.

6. **Physical Chemistry.** An introduction to modern theoretical chemistry. Three lectures and one laboratory period per week. Prerequisite, Course 2; prerequisite or parallel, Physics 2 and Mathematics 19. First and second semesters, four hours each semester.

ECONOMICS AND SOCIOLOGY

Economics

1-2. **Principles of Economics.** The general course in economic theory; pre-requisite to most other courses in economics. Intensive study of textbook, recitations, discussions. Not open to Freshmen. Must be continued second semester for credit. Both semesters, three hours.

3. **Money and Banking.** Brief history of banking and currency in the United States, and analysis of recent and current problems, including study of the Federal Reserve system. Intensive study of textbook, recitations, discussions. Prerequisite, Courses 1 and 2 or equivalent. First semester, two hours. Omitted in 1920-1921.

4. **Transportation.** The history, organization and problems of transportation, especially of railway transportation in the United States. Textbook, rather extensive outside reading, lectures, recitations, discussions. Prerequisite, Courses 1 and 2 or equivalent. Second semester, two hours. Omitted in 1920-1921.

5. **Public Finance and Taxation.** Public finance in the United States, problems of public finance, systems and problems of taxation. Textbook, moderately extensive outside reading, lectures, recitations, discussions; an intensive type of study is required. Prerequisite, Courses 1 and 2 or equivalent. First semester, two hours.

6. **Industrial Problems.** Recent and current problems of industrial relationship: wage systems, welfare work, strikes, industrial arbitration, scientific management, co-operative management. Extensive reading, perhaps a textbook, recitations, discussions, reports. Not open to Freshmen; open to others upon consultation. Principles of Economics is advised as a preparation. Second semester, two hours.

7. **Principles of Accounting.** A course in the theory rather than in the practice of bookkeeping. Intensive study of textbook with brief illustrative problems. Not open to Freshmen. First semester, two hours. Omitted in 1920-1921.

8. **Principles of Business.** A descriptive study of the methods and organization of modern business. Textbook (Garstberger's "Principles of Business"), recitations, discussions. Not open to Freshmen. Second semester, two hours (or three).

9. **Principles of Insurance.** A general study of the organization and problems of life, health, accident, fire and other forms of insurance. Textbook, recitations, discussions. Not open to Freshmen. First semester, two hours.

10. **Economic History of the United States.** Textbook, extensive reading, lectures, recitations. Open to all. Second semester, three hours.

11. **Economic History of Western Europe.** Textbook, extensive reading, lectures, recitations. Open to all. First semester, three hours. Omitted in 1920-1921.

Secretarial courses of Shorthand, Typewriting, Commercial Law, Business Communication and Office Practice are indicated in the Academy courses.

Sociology

1. **Social Problems.** A study of a rather comprehensive list of the concrete problems of modern society, especially of the abnormal in society and of remedial measures. Textbook, extensive reading, lectures, recitations, reports. Open to all. First semester, three hours. Given every year.

2. **Rural Problems.** A descriptive study of the conditions, tendencies, problems, and constructive agencies of rural life. Text, extensive reading, lectures, recitations, reports. Prerequisite, Course 1 or Sophomore standing. Second semester, three hours. Omitted in 1920-1921.

4. **City Problems.** Theoretical and descriptive study of the functions and problems of urban communities, political and non-political. Textbook, extensive reading, lectures, recitations, reports. Prerequisite, Course 1, or Sophomore standing. Second semester, three hours. Omitted in 1920-1921. Either Course 2 or Course 4 may be given in response to demand.

5-6. **Principles of Sociology.** A distinctly theoretical study of the environment, psychology, evolution, and institutions of social life. Lectures, readings definitely assigned for intensive study, reports, recitations. Limited to Juniors and Seniors; Sophomores may be admitted by consent of the instructor. Both semesters, two hours; must be continued second semester for credit. Offered every year.

7. **General Anthropology.** Theoretical and descriptive study of the descent of man, social origins, early institutions. Textbook, extensive reading, lectures, discussion, recitation. Open on conference. First semester, three hours.

8. **Theories of Socialism.** A comparative and historical study of socialistic, communistic, and anarchistic theories. Text, intensive study of assigned readings, lectures, recitations. Not open to Freshmen. Second semester, three hours.

9. **Statistics.** The elements of statistical method, especially as applied to social and economic studies. Textbook, exercises, recitations, discussions. A reasonable command of mathematics through advanced algebra is necessary. Open upon consultation. One semester, two hours. Omitted in 1920-1921.

EDUCATION

Courses in this department are planned to meet the requirements of the State Board of Education for State Teachers' Certificates of three types, as follows:

(1). Three-year certificate renewable for life, authorizing holder to teach in any elementary or high school in Kansas. Requirement, graduation from college with 18 semester hours in professional branches, including three hours each in General Psychology, Educational Psychology or Educational Theory, History of Education, and School Administration, and six additional hours in Education.

(2). Three-year certificate renewable for three-year periods, authorizing holder to teach in any elementary school, junior high school, or one-year or two-year high school in Kansas. Requirements, two years (60 semester hours) college work, including three hours each in General Psychology, Methods of Teaching, and School Management.

(3). Special certificates valid for one year in special branches prescribed by State Board. Requirement, two years (60 semester hours) college work, including 25 hours in the special branch in which certificate is desired (such as Commercial branches, Music, Physical Training, etc.) and three hours each in General Psychology, Methods, and School Management.

1. **History of Education.** A course confined to the study of the educational development of America. Required for 120-hour state certificate. Accepted toward a major in History. Open to Sophomores and Juniors. First semester, three hours.

2. **Elementary Methods.** A course presenting the elements of both general and special methods as needed for teaching in elementary schools and junior high schools. Prerequisite, Psychology 1. Open only to Sophomores who are preparing to teach the following September. Required for the 60-hour state certificate. Second semester, three hours.

3. **Principles of Education.** A study of aims, values and principles. Prerequisite, Psychology 1. Accepted for credit toward the 120-hour state certificate. Alternates with Course 5. Open to Juniors and Seniors. First semester, three hours. Omitted in 1920-1921.

4. **School Management.** The course covers the problems of organization and control as they pertain to the elementary school. Prerequisite, Psychology 1. Accepted for credit toward the 60-hour state certificate. Open only to Sophomores expecting to teach the following September. Second semester, three hours.

5. **Educational Psychology.** A presentation of the psychology of learning as involved in the school progress of children in the various elementary and secondary subjects. Accepted for credit toward the 120-hour state certificate. Prerequisite, Psychology 1. Alternates with Course 3. Open to Juniors and Seniors. First semester, three hours.

6. **Secondary Methods.** General and special methods for high schools, including a specified number of observations. Accepted for credit toward the 120-hour state certificate. Open to Seniors only. Second semester, three hours.

7. **School Administration.** A course in administration and supervision of city and county school systems. Accepted for credit on the 120-hour state certificate. Open to Juniors and Seniors. First semester, three hours.

Credit (not to exceed three hours) in any of the following courses may be counted toward the 18 hours' certificate requirement in professional branches, if taken during the Junior or Senior year; provided the student has had sufficient preparation in the subject concerned.

Biology 14.—Biology Teachers' Course.

English 36.—The Teaching of English.
 Latin 8.—Teachers' Course in Latin.
 Mathematics 15.—The Teaching of Mathematics.

ENGINEERING

1. **Elementary Mechanical Drawing.** Prerequisite, Plane and Solid Geometry. Either semester, two or three hours' credit.
2. **Machine Drawing.** Prerequisite, Course 1. Either semester, one, two, or three hours' credit.
3. **Architectural Drawing.** Prerequisite, Course 1. Either semester, three hours' credit.
4. **Topographical Drawing.** This course should be taken in connection with Surveying. Second semester, two hours' credit.
5. **Descriptive Geometry.** Prerequisite, Course 1. Second semester, three hours.
6. **Surveying.** Prerequisite, Trigonometry. First and second semesters, two hours. In surveying about one-half a day a week is spent in field practice.
7. **Mechanics.** Prerequisite, Physics 1. Second semester, two hours.
8. **Kinematics.** Prerequisites, Courses 1 and 2. Second semester, three hours' credit.

In the courses in Drawing three hours' work in the Drawing Room is required for one hour's credit.

ENGLISH LANGUAGE

1. **Rhetoric and Composition.** A course in the principles of writing. Required of all Freshmen. First semester, three hours.
2. **Rhetoric and Composition.** Continuation of Course 1. Required of all Freshmen. Second semester, two hours.
3. **Advanced Composition.** Prerequisites, Courses 1 and 2 or an equivalent. First semester, two hours.
4. **Advanced Composition.** Prerequisites, Courses 1 and 2 or an equivalent. Second semester, two hours.
5. **Debating. Extempore Speaking. Parliamentary Law.** Open to Sophomores, Juniors and Seniors. Limited to 25. First semester, three hours.
6. **Public Speaking. Formal Public Address. Oration. Lecture.** Prerequisite, Course 21 or an equivalent. Limited to 15. Second semester, two hours.
7. **Argumentation.** Attention given to intercollegiate debate questions. Prerequisite, Course 21 or an equivalent. Second semester, two hours. (Three hours in class for 12 weeks).

Work done in contests in oratory and debate is evaluated for credit in connection with Courses 21, 22 and 24.

ENGLISH LITERATURE

Special attention is called to Course 11, which should be taken in the Freshman year. This should be followed by Course 12. Additional courses in literature should be taken as nearly as possible in chrono-

logical order. Students are expected to consult the heads of departments concerned with reference to the number of hours taken in literature, composition, and public speaking. For those who desire to teach English in high school, English 30 is a requirement.

6. **Chaucer.** An introductory course. The Prologue, and selections from the Canterbury Tales. Prerequisites, English 1, 2, and 11. Second semester, two hours.

7. **Shakespeare—Selected Comedies.** A prerequisite to English 8 and open only to advanced students in literature. First semester, three hours.

8. **Shakespeare—Tragedies.** An intensive study of Hamlet, King Lear, Macbeth and Othello. Second semester, three hours.

9. **English Dramatic Literature—The Elizabethan Age.** First semester, two hours.

10. **English Literature—The Puritan Period.** Second semester, two hours.

11. **History of English Literature.** Required of all students majoring in English, and prerequisite to all other courses in literature. First semester, three hours.

12. **Survey of American Literature.** This course should follow Course 11. Second semester, three hours.

13. **English Literature—The Romantic Period.** First semester, two hours.

14. **English Literature, 1832-1892.** The leading essayists: Macaulay, Carlyle, Ruskin, Arnold, Newman, Pater and Stevenson. Prerequisite to Course 15. First semester, three hours.

15. **Nineteenth Century Poetry.** Tennyson and Browning. Prerequisite, Course 15. Second semester, three hours.

16. **Contemporary Drama.** American and European, from Ibsen to the present. For advanced students in literature. First semester, two hours.

17. **Contemporary Literature.** Poetry, British and American. Second semester, two hours.

18. **The English Novel in the Nineteenth Century.** Dickens to Thomas Hardy. Prerequisites, Courses 11 and 14. Second semester, three hours.

19. **Teaching of English.** For Seniors who expect to teach English. Prerequisite, twenty-six hours of college English. Second semester, one hour.

20. **The English Bible as Literature.** A study of the literary qualities of the English Bible. Prerequisite, Courses 11 and 12. First semester, three hours.

21. **The English Bible in Literature.** The use of the English Bible by the masters of English literature and rhetoric. Prerequisites, Courses 11 and 12. Second semester, three hours.

EXPRESSION

This department is in charge of the Professor of English Speech. Students who wish to specialize in Expression will have an opportunity to do this work under competent instructors. A certain amount of college credit will be given for such work. The nature of the courses and the amount of credit given may be ascertained by applying to the Professor of English Language and Speech.

GEOLOGY

1. **Geology.** A course in general Geology consisting of lectures, recitations and readings, supplemented by excursions. Chemistry I is prerequisite to this course. First semester, three hours.
2. **Geology.** A continuation of Course 1. Second semester, three hours.

GERMAN

1. 2. **Elementary German.** The elements of German grammar, chiefly with regard to the acquisition of a reading knowledge of the language. Readings of graded difficulty. First and second semesters, five hours.
3. **Intermediate German.** Review of grammar. Development of ability to use simple German in conversation and composition. Reading of texts of intermediate difficulty. First semester, five hours.
4. **Intermediate German.** Introduction to difficult prose. Brief survey of the History of German literature. Second semester, five hours.

GREEK

1. **Elementary Greek.** The common forms and constructions are first learned. Special attention is then given to "Everyday Greek," the Greek found frequently in English. A course of value to (1) prospective students of theology and religion, (2) prospective teachers of Latin, (3) those who wish to read philosophical and similar writings. First semester, five hours.
2. **Selections.** Parts of the Gospel of John and of Xenophon's Anabasis. Second semester, five hours.
3. **Plato, Apology and Crito.** As much Greek is read as time allows. The remainder of these works is carefully read in translation. This course is an introduction to the work of Socrates and to Greek philosophy. First semester, two hours.
5. **Greek New Testament.** A study of the language and ideas of early Christianity. This course alternates with Course 3. First semester, two hours.
11. **Greek Civilization.** A survey of the life and thought of the ancient Greeks and their contribution to modern civilization. This course requires no knowledge of the Greek language. First semester, two hours.

HISTORY AND POLITICAL SCIENCE

Students who select history and political science as major subjects should select either economics and sociology, English language and literature, or philosophy as minor subjects. Students who major in history and political science should, in all cases, take Courses 1, 4, 5, 6, and 21 and Principles of Economics. Economic History of the United States may be counted in reckoning a major in history and political science.

- 1A. **Greek Civilization.** Introductory course, intended for Freshmen and Sophomores. Identical with Greek 11. First semester, two hours.
- 1B. **Roman Civilization.** Identical with Latin 12. Second semester, two hours.

- 1-2. **History of England.** A general survey of the history of England and the growth of the British Empire to the present time, with emphasis upon English institutions. Intended primarily for freshmen. Credit not given for one semester separately. First and second semesters, two hours.

3. 4. **Modern European History.** First semester, from about 1500 A. D. to the Congress of Vienna; second semester, from the Congress of Vienna to the present. Not open to Freshmen who have not had a thorough high school course in Medieval and Modern history. First and second semesters, three hours. Omitted in 1910-1921.

5. 6. **American History.** History of America from 1763 to the present. Topical outline and references, lectures, discussions and quizzes. Prerequisite, one year of college history, or American Federal government. First and second semesters, three hours.

7. **Medieval Civilization.** A survey of medieval history with special attention given to the church, feudal institutions and intellectual progress. First semester, two hours.

8. **Latin America.** A general survey of the history of the Latin American states from the time of Columbus to the present, with special attention to present day problems, racial, political and economic. Prerequisite, one year of college history. Second semester, two hours.

21. **Federal Government in the United States.** The historical foundations, powers, limitations, functions, general organization and practical working of the Federal government. First semester, three hours.

22. **State and Local Government in the United States.** The executive, state and local politics, popular control of government, organization, powers and functions, and practical working of state and local governments. This course should be preceded by Course 21. Second semester, three hours.

23. **Elements of Political Science.** A general survey of the field of political science. Origin, development and functions of the state. Forms, organization and functions of governments. Text book, lectures and discussions. Prerequisite, one course in college history or government. First semester, two hours.

24. **Comparative Government.** A comparative study of the governments in leading European states, and contrasts with the government of the United States. Prerequisite, Course 4, 21, or 23. Second semester, three hours.

HOME ECONOMICS

1. **Foods 1.** The principles of cookery, with emphasis upon the application of heat to foods and upon the economic uses of various foods. Prerequisite or parallel, General Chemistry. One entrance unit in Physics is required. One hour recitation and four hours laboratory. First semester, three credits.

2. **Elementary Dietetics.** The nutritive value and functions of food, and the nutritive requirements of the individual and the family. Prerequisites, Foods 1 and General Chemistry. Two hours recitation and four hours laboratory. Second semester, four credits.

3. **Clothing.** The economic problems of clothing, selection of materials, textile study. Straight line drafting, practice in hand and machine sewing and in cutting and making of garments. Prerequisite, high school sewing. Two hours recitation and six hours laboratory. First semester, four credits.

4. **Food 2.** Comparative studies of food materials. Experimental cookery with emphasis upon flour mixtures and preservation of foods. Prerequisite, Food 1, Organic Chemistry and Bacteriology. Prerequisite or parallel, Human Physiology. Two hours recitation and six hours laboratory. Second semester, five credits.

5. **Home Cookery.** The purpose of this course is to present in a non-technical way the elementary problems of food and nutrition. Designed for the general student who does not care to major in Home Economics. Recitation one hour and laboratory four hours. First semester, three credits.

6. **Home Architecture and Sanitation.** A study of types of domestic architecture, house planning and sanitation, involving the choice of building sites, materials, ventilation, heating and plumbing, principles of furnishing and care of the house. Recitations and lectures. Second semester, two credits.

7. **Textiles.** A study of the production and manufacture of textiles from the standpoint of the consumer; the properties and uses of the different textile fibers and fabrics, tests for adulteration; principles of cleaning fabrics. Prerequisite, Chemistry 1. One hour recitation and four hours laboratory. First semester, three credits. Omitted in 1920-1921.

8. **Household Management.** A study of the organization and administration of the household, the home as a social and educational institution, budget and household accounting. Recitations and lectures. Reference work is required. Second semester, three credits. Omitted in 1920-1921.

Courses 3, 5, 6 are of a general nature and are suggested for students who do not care to major in Home Economics, but who wish some training in subjects pertaining to the home. For a major see suggested course in Home Economics.

Courses in high school Home Economics are offered in the Academy.

JOURNALISM

1. An introductory course with practice in the ordinary types of news writing. Open to students who have had or are taking English 1. First semester, two hours.

2. A continuation of Course 1. Second semester, two hours.

A certain amount of credit, determined by the instructor, may be granted for work done on the college weekly.

LATIN

1. **Cicero, De Senectute or De Amicitia.** Prose composition. Freshman and Sophomore Latin. This course alternates with Course 3. First semester, three hours.

2. **Horace, Odes and Epodes.** Attention is given to the literary influence of the Augustan Age. Freshman and Sophomore Latin. This course alternates with Course 4. Second semester, three hours.

3. **Livy, Selections, Roman Institutions.** Freshman and Sophomore Latin. First semester, three hours. Omitted in 1920-1921.

4. **Plautus and Terence.** The linguistic and literary importance of Roman Comedy. Freshman and Sophomore Latin. Second semester, three hours. Omitted in 1920-1921.

6. **Tacitus, Agricola or Germania; Pliny, Selected Letters.** Social and political conditions under the early empire. Second semester, two hours. Omitted in 1920-1921.

8. **Teachers' Latin.** Designed for students intending to teach Latin. Second semester, two hours.

12. **Roman Civilization.** Studies in Roman life and institutions, Rome's place in history. This course is intended to follow Greek 11. No knowledge of the Latin language is required. Second semester, two hours.

MATHEMATICS

Courses 2, 5, 6 are recommended for purposes of general culture, also to students who specialize in Economics or in Chemistry. Students specializing in Physics or in Engineering should elect also Courses 7 and 10. For a major in Group 4, Courses 3, 5, 6, 7, 10 are required of all students. Students who have had no Physics beyond Courses 1 and 2 must take at least six additional hours of Mathematics beyond the Calculus in order to complete the requirements for a major.

Students are urged to observe the following order in choosing courses: For Freshmen, College Algebra, Plane Trigonometry, Plane Analytic Geometry; for Sophomores, Differential Calculus, University Algebra, Integral Calculus, Solid Analytic Geometry; for Juniors, Differential Equations, Theory of Equations; for Seniors, Teaching of Mathematics.

Additional courses will be offered, if there is sufficient demand.

1. **Solid Geometry.** Prerequisite, Algebra and Plane Geometry, one unit of each. First semester, three hours.

2. **Algebra.** Prerequisite, one unit of Algebra. Second semester, three hours.

Courses 1 and 2 are secondary school subjects and are required of all students who specialize in Mathematics. One-half unit of college credit will be given for each in the Academy.

3. **College Algebra.** Prerequisite, Course 2. First semester, two hours.

5. **Plane Trigonometry.** Prerequisites, Courses 1 and 2. First semester, three hours.

6. **Plane Analytic Geometry.** Prerequisites, Courses 3 and 5. Second semester, five hours.

7. **Differential Calculus.** Prerequisite, Course 6. First semester, three hours.

8. **University Algebra.** Prerequisite, Course 3. Second semester, two hours.

10. **Integral Calculus.** Prerequisite, Course 7. Second semester, three hours.

12. **Solid Analytic Geometry.** Second semester, two hours.

13. **Differential Equations.** Prerequisites, Courses 7 and 10. First semester, three hours.

14. **Theory of Equations.** Prerequisites, Courses 7 and 10. Second semester, three hours.

15. **Teaching of Mathematics.** First semester, two hours. Omitted in 1920-1921.

17. **Descriptive Astronomy.** First semester, two hours.

MUSIC

A certain number of courses in the Department of Music will be counted towards a Bachelor's degree in the case of students of collegiate rank. Not more than sixteen hours of credit in all, however, can be thus earned. For these courses see The Conservatory of Music.

PSYCHOLOGY AND PHILOSOPHY

1. **General Psychology.** A general elementary course open to Sophomores. Required of all students. High School Psychology not accepted as equivalent. This course is a prerequisite to all courses in this department. First semester, three hours.

2. **Child Psychology.** A study of instincts, emotions, and the different mental capacities of childhood. Open to Sophomores and Juniors. Alternates with Course 4. Second semester, three hours. Omitted in 1920-1921.

4. **Social Psychology.** A study of custom, conventionality, public opinion, suggestibility, imitation, as found in normal and abnormal social groups. Not accepted as credit toward a state certificate. Alternates with Psychology 2. Open to Juniors and Seniors. Second semester, three hours.

5. **Educational Psychology.** This course is identical with Education 5. First semester, three hours.

6. **Ethics.** Required of Seniors. Second semester, three hours.

9. **History of Philosophy, Ancient and Medieval.** Primarily for Juniors and Seniors. First semester, three hours.

10. **History of Philosophy, Modern.** A continuation of Course 9, but may be taken separately. Second semester, three hours.

11. **Logic.** First semester, two hours.

PHYSICAL EDUCATION

All students in the Academy and in the Freshman and Sophomore classes in the college are required to take physical training, two hours a week. All students will be given physical examinations at the beginning of the first semester. Besides the regular gymnastic work and swimming, football, basketball, track and tennis are provided for young men, and basketball and tennis for young women.

In addition the following courses are offered, which are given full credit towards the Bachelor's degree:

4. **Theory of Coaching.** Football, basketball, baseball, track, tennis. Second semester, two hours.

23, 24. **Physical Education Normal Course.** Both semesters, one hour.

The following courses offered in other departments should be elected during the first year by students specializing in physical education: General Biology, Chemistry 1, Rhetoric 1 and 2, Physiology 1.

PHYSICS

Physics A. Elementary Physics. Mechanics and Heat. Prerequisites, Algebra and Plane Geometry. One laboratory period a week. First semester, four hours.

Physics B. Electricity, Magnetism, Sound and Light. Prerequisites, Algebra and Plane Geometry. One laboratory period a week. Second semester, four hours.

Physics A and B are the regular courses offered in the fourth year Academic course, and should be elected by all Freshmen, who desire to major in scientific subjects and who do not offer Physics as an entrance subject. To such students a college credit of three hours a semester will be given, unless the subject is necessary to complete the requisite number of entrance units.

Physics C. First semester. One hour credit.

Physics D. Second semester. One hour credit. Physics C and D consist of laboratory work only. These courses are given for the benefit of those students who have done the required amount of work in the class-room, but who have not had the advantage of a fully equipped laboratory. They are required of all such students who desire to continue with Physics 1 and 2 and may be taken along with Courses 1 and 2. In such cases, the combined laboratory fee is \$6.00 a semester.

1. **General Physics.** Mechanics and Heat. Prerequisites, Plane Trigonometry and College Algebra. First semester, four hours of lectures and recitations, and one three-hour laboratory period a week. Five hours' credit.

2. **General Physics.** Electricity, Magnetism, Sound and Light. Prerequisites, Course 1 and Chemistry 1. Second semester, five hours' credit.

3. **Fundamentals of Electric and Magnetic Circuits.** Prerequisite, Course 2. First semester, three hours.

5. **Electrical Measurements.** A laboratory course co-ordinate with Course 3. First semester, one or two credits.

7. **Direct Current Machinery.** Prerequisite, Course 3. First semester, three hours.

8. **Alternating Current Machinery.** Second semester, three hours.

ROMANCE LANGUAGES

French

1. **Beginning French.** Grammar, conversation, dictation. First semester, five hours.

2. **Continuation of Course 1.** Reading, conversation, dictation, memory work. Second semester, five hours.

3. **Second Year French.** Reading of standard authors, prose and composition. First semester, five hours.

4. **Continuation of Course 3.** Second semester, five hours.

Spanish

1. **Elements of Spanish.** Grammar, conversation. First semester, five hours.

2. **Continuation of Course 1.** Readings from Spanish magazines; composition, conversation. Second semester, five hours.

THE ACADEMY

GENERAL INFORMATION

Advantages. The Academy of Ottawa University is maintained in response to a widespread demand for a good secondary school by those who are not within reach of such a school and those who desire first-class instruction under distinctly Christian influence. A distinct advantage of this Academy, as will be noted further on, is the possibility of mature students completing the course of study in three years.

The students in the Academy are entitled to all the privileges accorded to the pupils in the other schools. The library, reading room, gymnasium, athletic grounds, the musical, social, literary, and religious societies are all open to them upon certain conditions. These privileges bring the student in close touch with the more mature students who are in college. This is found to be a distinct advantage to the Academy.

Admission and Graduation. For entrance to the Academy without examination students are expected to present credentials showing that they have completed in a satisfactory manner the eighth grade of the common schools.

It is best for students to enter at the beginning of the academic year, because all classes begin at that time, but arrangements are made so that students who enter at other times can take such subjects as they are capable of pursuing with profit.

The requirement for graduation is fifteen units. A unit is described as one subject pursued for thirty-five weeks, four hours per week.

College Preparatory Course. The Academy is a most excellent place to prepare for college. Full fifteen units of work are given. These units vary somewhat according to the course that the pupil expects to pursue in college. In some high schools only two or three years' work is given. Students from such high schools will find that the Academy is an excellent place in which to complete their preparation for college.

Commercial Course. The Commercial Course is offered in response to a demand on the part of those who desire a good elementary training in commercial subjects in connection with other subjects usually given in a secondary school. It also furnishes a good basis for a college course in commerce and finance. A student taking this course will secure from eleven to thirteen college preparatory credits. Good students may take both the commercial subjects and the required college entrance subjects in four years.

All of the Commercial work to meet the requirements for a State Teacher's Certificate is offered for those who desire to teach.

The course also includes training in Secretarial work in addition to the regular stenographic courses. The Course in Business Communication covers the field of Salesmanship, Advertising and Business Correspondence. The course in Office Training is a scientific study of the office, and some office equipment and appliances that make for modern efficiency, such as the Adding Machine, Calculator, Improved Filing, Neostyle, Protograph and Dictaphone.

Home Economics. The Domestic Science Course (Home Economics A) is elementary cooking. One-half unit. One hour lecture and six hours' laboratory. Fee, \$4.00. The Domestic Art Course (Home

Economics B) includes elementary sewing; open to Academy girls and to those College girls who have not had high school sewing. One-half unit. One hour lecture and six hours' laboratory.

Scholarships. The Board of Trustees will give free tuition in either of the Academy courses for one year to the eighth grade graduate from each county in Kansas who ranks highest in that county, upon a certificate of this fact from the County Superintendent. This is an inducement to young people in the grades to do the best work of which they are capable.

Expenses. The expenses for tuition, board, fees and incidentals are the same as in the college.

Plan of Work. Students in the Academy are expected to take four subjects, which is sufficient for the ordinary student. Mature students who are in good health and who maintain the average grade of B during their first semester will be permitted to take five subjects, so long as they can maintain that grade of work. In this manner the fifteen units required for admission may be completed in three years. It is possible for strong students who spend four years in the Academy to take some college subjects during the last year and enter the College with some advance credits. Many of the students desire to take Music or Expression.

Music. A suitable amount of credit is given Academy students for work done in the Conservatory of Music, on the basis either of membership in the oratorio chorus or of individual instruction. The amount of such credit is determined by the Dean of the Conservatory of Music and the Principal of the Academy.

COURSES OF INSTRUCTION

In the following schedule the letter A placed after a subject indicates the first semester of that subject, the letter B indicates the second semester, and so on.

Classes meet four times a week in periods of sixty minutes.

COLLEGE PREPARATORY COURSE

First Year

First Semester		Second Semester	
English	A	English	B
Latin	A	Latin	B
Ancient History	A	Ancient History	B
Algebra	A	Algebra	B

Second Year

English	C	English	D
Latin, Caesar	C	Latin, Caesar	D
Geometry, Plane	C	Geometry, Plane	D

Elective Subjects:

Medieval History	C	Modern History	D
Physiology		Physiology	
Bookkeeping		Bookkeeping	
Typewriting		Typewriting	

Third Year

English	E	English	F
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Elective Subjects:

Latin, Cicero	E	Latin, Cicero	F
Geometry, Solid	E	Algebra	F
Botany	A	Botany	E

With the consent of the registration committee certain other subjects may be chosen from the list of fourth year subjects.

Fourth Year

All the subjects are elective.

Physics	A	Physics	E
American History	E	American History	F
Latin, Virgil	G	Latin, Virgil	H
Zoology	A	Zoology	E
Commercial Geography	A	Commercial Law	E
Bookkeeping	A	Bookkeeping	E
Music or Drawing	A	Music or Drawing	E
Shorthand	A	Shorthand	E
Civics	A	Civics	E
Typewriting	A	Typewriting	E
Home Economics A	A	Home Economics B	E

With the consent of the registration committee any of the following subjects may be chosen: College Algebra; Plane Trigonometry; Chemistry 1; Mechanical Drawing 1, 2; English 1, 2; History 1, 2; Economics 1, 2; History 1A, 1B; Biblical Literature 1, 2, 4, 6, 7; Home Economics 2; Modern Languages.

COMMERCIAL COURSE

First Year

First Semester	Second Semester
English	English
Algebra	Algebra
History	History
Penmanship and Spelling	Penmanship and Spelling

Second Year

English	C	English	D
Plane Geometry	C	Plane Geometry	D
Elect one from the following:			
Latin	A	Latin	E
Physiology	A	Physiology	E
Typewriting	A	Typewriting	E

Third Year

Bookkeeping	A	Bookkeeping	B
English	E	English	F
Elect three from the following:			
Latin, Caesar	C	Latin, Caesar	D
Solid Geometry	E	Algebra	F
Physics	A	Physics	B
Botany	A	Botany	B
Medieval History	C	Modern History	D

Fourth Year

Commercial Geography	Commercial Law
Elect three from the following:	
Latin, Cicero	Latin, Cicero
Stenography	Stenography
American History	American History
Zoology	Zoology
Economics	Economics
Civics	
Home Economics A	Home Economics B

THE CONSERVATORY OF MUSIC

GENERAL INFORMATION

The Conservatory of Music is located in the center of the city, where it is easily accessible to both students and citizens. It contains a reception room, four teaching rooms and a large recital hall. Arrangements will be made for practice rooms when desired. Instruction will be given in University Hall, if more convenient to the students.

The Conservatory offers excellent instruction and furnishes unusual opportunities to the students and to the public in general. Good foundations may here be laid for advanced work in special schools. The aim of the Conservatory is to afford such facilities and environment for the study of music that the student may receive a broad, esthetic, mental and moral culture.

Requirements for Admission

Fifteen units of preparatory work are required for unconditional entrance to any musical course. These units must be taken in the Academy of the University or in some accredited school or academy. A student will be admitted if he does not lack more than three units of work, but these units must be made up in the first part of the course. They can be made up in the Academy. Special students may enroll at any time and take such work as they may be prepared to pursue.

To enter the Degree Course, it is essential that the student shall have had at least one year's systematic instruction in singing, or two or three years' similar instruction on the instrument in which he majors. When voice or violin is the major subject, the student will be expected to have completed at least two years' work in piano.

Requirements for Graduation

The Degree Course:

English, ten hours;

A modern language, twenty hours;

Harmony, two lessons a week, four semesters;

Counterpoint, two lessons a week, two semesters;

History of Music, two lessons a week, two semesters;

Harmonic Analysis, two lessons a week, first semester;

Form and Composition, two lessons a week, second semester;

Musical Appreciation, one lesson a week, two semesters;

Applied Music, two half hours a week, eight semesters.

By applied Music is meant the practical study of piano, organ, violin or voice, in private, individual lessons.

Teachers' Certificate Course:

Harmony, two lessons a week, four semesters;

History of Music, two lessons a week, two semesters;

Harmonic Analysis, two lessons a week, one semester;

Form and Composition, two lessons a week, one semester;

Applied Music, two lessons a week, six semesters.

The student must also take the courses in Psychology, Methods of Teaching, and must take normal training for two semesters, doing practice teaching under the head of the department in which he majors, for the same period.

The entrance requirements for this course are the same as those

under the degree course.

Public School Music Course:

Harmony, two lessons a week, four semesters;

History of Music, two lessons a week, two semesters;

Public School Music Methods, two lessons a week, four semesters;

Musical Appreciation, one lesson a week, two semesters;

Piano, two lessons a week, two semesters;

Voice, two lessons a week, four semesters.

In addition to the above, students will be expected to take college subjects as follows: Psychology, Methods of Teaching, School Management, History of Education, and sixteen hours of electives.

Certificates of musical attainment will be issued to students upon request, indicating the amount of work completed.

College Credits

Credit for music taken elsewhere may be given upon recommendation of the Dean of the Conservatory.

A certain number of courses in the Conservatory of Music will be counted toward a Bachelor's degree in the College. A maximum of sixteen hours' credit will be thus allowed, not more than half of the credit so granted to be for applied music; provided that a maximum of four hours' credit be granted on applied music unaccompanied by courses in theory. The courses receiving college credit are the following:

1. First Year Harmony. Credit, two hours each semester.
2. Second Year Harmony. Credit, two hours each semester.
3. Counterpoint. Credit, two hours each semester.
4. History of Music. Credit, two hours each semester.
5. Harmonic Analysis. Credit, two hours, first semester.
6. Form and Composition. Credit, two hours, second semester.
7. Oratorio. One 60-minute rehearsal. Credit, one-half hour each semester.
8. Orchestra. Credit, one hour each semester. A maximum of four credits.
9. Musical Appreciation. Credit, one-half hour each semester.
10. Applied Music (Piano, Voice, etc.). Two half-hour lessons a week accompanied by a minimum of five hours' practice a week. Two hours' credit each semester.

One half-hour lesson a week accompanied by a minimum of five hours' practice a week. One hour credit each semester.

COURSES OF INSTRUCTION

Piano-Forte

In modern pianoforte playing, a systematically developed technical foundation is the first requisite. Our teachers accomplish this by the use of carefully selected and graded exercises and studies. The easier works of the old masters and modern European and American writers are used in connection with these studies. Especial attention is paid to the pupil's conception of the music, phrasing, rhythm, tone and technical accuracy.

As the student becomes more advanced, the more difficult compositions of our modern masters are used. Interpretation becomes a special study in the last two years' work.

Organ

One must have completed a preliminary piano course before entering upon organ work. The pupil is informed in regard to the structure of the organ and its special characteristics. He is trained particularly in the playing of hymns and accompaniments, as our aim is to turn out church, not concert, organists.

Violin

Particular attention is paid to the manner of holding the violin and bow, and to the general position of the student. The ear is trained so that the pupil may be able to play his music in correct tune.

The work starts with simple scale and technical studies, and as the pupil advances, he is given the harder studies and solos. In the advanced work he studies the harder sonatas and concertos.

Voice

The aim of this department is to present the scientific principles and the modern methods of voice culture, to develop carefully and fully all the vocal powers of the student, and to produce an intelligent and artistic style of singing.

The time needed to complete the course in vocal study will depend largely upon the pupil's musical ability, previous preparation, and the amount of time devoted to the work. Each pupil works independently of others, is taught to avoid superficial work, and is guided conscientiously to the attainment of correct tone emission and interpretative expression.

Public School Music

Now that music is a recognized subject in the public school system of the state, a Public School Music Course is offered, which will prepare students for taking up work as supervisors of Public School Music. Every phase of music work in school from the Primary through to the High School is treated, and all the various problems arising are thoroughly discussed.

We not only aim to prepare the student for this Public School Music work, but to give him adequate preparation for doing musical work in the community outside the schools.

The course as outlined meets the requirements of the State Board of Education, as regards Public School Music Supervisors. More musical work may be substituted for the college electives in this course.

Harmony

This branch of music study is equally important to singer and player, and also enables one to compose, harmonize and analyze music. No student will be allowed to graduate until a minimum amount of this work has been done. Two lessons a week.

Counterpoint

The principles of harmony are applied to the melodious treatment of two or more voice parts in combination. The work includes free harmonization of choral melodies, two, three and four-part counterpoint in the several orders, contrapuntal and imitative treatment of the subjects in different voices. Opportunity is given for original work. Two lessons a week.

History of Music

A comprehensive knowledge of the history of music is indispensable for any musician, as a masterwork can only be understood when the life, habits and environment of the composer are well known.

The term "History of Music" will be employed in a broad sense of the word, as more than the biography of a musician is aimed at. Two lessons a week.

Harmonic Analysis

In this course, the works of the great composers are studied and analyzed according to laws of Harmony. Two lessons a week.

Form and Composition

In order that the student may thoroughly understand the thought of the composer, it is necessary that he should be familiar with the form the composer uses for his musical thought. This course not only teaches the student this form, but he is taught to use this form in his own compositions. Two lessons a week.

Musical Appreciation

A study of the works of the great composers, performed by the best orchestras and soloists of all kinds, is conducted throughout the year. A large number of records has been obtained for the use of this class. In addition, the teachers and advanced pupils perform such of the works as may be played upon the piano or sung by solo voices. One lesson a week.

OTHER MUSICAL ADVANTAGES

Ensemble—Classes in Piano-forte

Ensemble classes are organized yearly. Four, six and eight hand transcriptions are played for the development of sight reading at the instrument, and thereby to gain a knowledge of symphonic literature.

This work is required of all pupils sufficiently advanced.

Music Study Class

The Music Study Class is destined to broaden the musical taste of the students, to give them an opportunity to play before each other, thereby gaining confidence and paving the way for public appearance. Membership is limited to advanced students. Tuition is free.

Oratorio Society

The Oratorio Society was organized for the purpose of rendering high class music. It meets in the Conservatory Hall each Tuesday evening of the school year. Two concerts each year are regularly given by the society.

The work of this society has proved very stimulating to the musical interests of the college and has offered special opportunities to become more intimately acquainted with masterpieces of song and melody. The oratorio work is a permanent feature of the college.

Male Quartet and Acappella Choir

A male quartet and an acappella choir are also organized every year for the purpose of studying the more brilliant and lighter works

of the masters, and for the purpose of acquiring a higher degree of perfection than can be obtained by a big oratorio chorus, and lastly to furnish music for various public events of the school year.

The applicant who wishes to join must be a member of the Oratorio Chorus. Tuition is free.

Recitals

During the school year a series of recitals is given. These recitals are about forty minutes in length and pupils from all departments are expected to participate.

The frequency of these recitals gives all the pupils who are proficient a number of appearances during the season. At the close of the season a concert is given by the graduates.

Individual recitals in piano, voice and violin are given from memory in the second semester by such advanced students as the faculty of the Conservatory may select.

The College Orchestra

The college orchestra furnishes valuable opportunities for study, practice, and ensemble playing to students who are working on string and reed instruments. Instruction in orchestra is free, although students who join the organization will be expected to attend all rehearsals, practices, and chapel exercises, at which the orchestra regularly appears.

Musical Attractions

It is conceded that a musical education consists largely in hearing the best music of the best interpreters. For this reason artists of the first magnitude have been brought to Ottawa. The following are a few of the more prominent attractions that have visited us: Lillian Nordica, Ernestine Schumann-Heink, Albert Spalding, Frieda Langendorff, Maud Powell, St. Paul Symphony Orchestra with their soloists.

EXPENSES

Voice, two 30 minute lessons a week for one semester.....	60.00
Voice, one 30 minute lesson a week for one semester.....	32.00
Piano, Mrs. Utt, two 30 minute lessons a week for one semester.....	45.00
Piano, Mrs. Utt, one 30 minute lesson a week for one semester.....	25.00
Piano, Miss Forbes, two 40 minute lessons a week for one semester.....	32.00
Piano, Miss Forbes, one 40 minute lesson a week for one semester.....	18.00
Violin, Mr. Kendrie, one 30 minute lesson a week for one semester.....	27.00
Harmony, one semester.....	10.00
History of Music, one semester.....	5.00
Harmonic Analysis, one semester.....	18.00
Form and Composition, one semester.....	18.00
Public School Methods, one semester.....	13.00
Musical Appreciation, one semester.....	5.00
Organ, Mrs. Utt, two 30 minute lessons a week for one semester.....	45.00

Single lessons or class lessons may be arranged for with the Dean and the individual teacher.

Lessons falling on holidays will not be made up except by special previous arrangement with the instructor.

Tuition is to be paid in advance for at least one-half semester.

The University reserves the right to change these rates without notice.

REGISTER OF STUDENTS

COLLEGE

Seniors

Anthony, Walter C., Le Loup	Livengood, Bernice Irene, Ottawa
Balfour, Frances Mabel, Blue Mound	Lynn, Robert Henry, Hargraveville, Mo.
Barnes, Mamie Dennis, Ottawa	McKee, Captain William, Presport
Bailey, John, Glenora, Ottawa	Mickey, Maria Elizabeth, Merrill
Baker, Ralph Murdoch, Ottawa	Miller, Knud Helen, Ottawa
Caldwell, Lillie Ruth, Broughton	Osterhold, John Frank, Holton
Carr, Dorothy Grace, Danmore, Pa.	Ott, Christopher Martin, Ottawa
Cassman, Alma, Sedalia	Park, Helen Lucile, Neolasha
Clark, Margaret Eleanor, Ottawa	Forced, John Henry, Lyndon
Cayford, Bernice Marie, Ottawa	Rams, Laura Elizabeth, Leavenworth
Dummett, Jeanne, Clay Center	Ritter, Pauline Frances, Atchison
Frost, Nellie Frances, Tekamah, Neb.	Siddons, Mary Jessie, Ottawa
Fuji, Kuranosuke, Tokyo, Japan	Spalding, Roberta Josephine, Independence
Gentry, Ruth Sarah, Ottawa	Stratton, Dorothy Constance, Forest City, Mo.
Gibson, Glenn Donald, Milton	Van Aaken, Ora Irene, Galena
Hance, Martha Clarissa, Ottawa	Van Nicks, Albert Arthur, Ottawa
Heikes, Elbert, Ottumwa, Ottawa	Williams, Edna, Ottawa
Hudson, Laella, Ottawa	
Jewell, Carrie, Mt. Hope	
Jordan, Obed Jonathan, Freeport	

Juniors

Allen, Eugene Clyde, Coffeyville	Johnson, Meta, Alta Vista
Asher, Clinton Boyce, St. John	Jones, Edward Norman, Downs
Ayraud, Ralph Edwin, Ottawa	Ketch, Clara Belle, Ottawa
Bailey, Harold Wood, Denver, Colo.	Lake, Agnes Elizabeth, Winfield
Bailey, Ruth Olive, Ottawa	McHaffey, Clyde Everett, Ottawa
Baldridge, Nelson, Ottawa	Murphy, John Wallace, Concordia
Bowersman, Ruth Schart, Kansas City	Perrussel, Raymond Clifton, Onega
Bredrick, Waldo Oliver, Ottawa	Planck, Henry Howard, Kansas City, Mo.
Clark, Grace Pearl, Emporia	Potter, George Edwin, Natoma
Cochran, Claude Vincent, Ottawa	Potter, Samuel Earl, Rile, Colo.
Deake, Doris LaZiere, Ottawa	Price, Anna Evelyn, Coffeyville
Eisler, Gladys Marie, Ottawa	Shaver, William Henry, Beron
Evans, Maza Rosa, Washington	Stewart, Grace Mary, Bantol
Foster, George Pleasant, Alta Vista	Stoll, Martha Laura, Ottawa
Gilmore, Anna Louise, Independence	Tamm, Irene Winona, Ottawa
Goodson, Paul Roe, St. John	Tolle, Myrl Ruth, Neodesha
Halbert, Walter Perrine, Polia, Iowa	Topple, Mrs. Nina Asher, Las Vegas, N. M.
Hubert, Ferns Lorella, Polia, Iowa	Trower, Mabel Elizabeth, St. Joseph, Mo.
Mabel, Mabel Leelan, Ottawa	Williams, Clara Ellen, Ottawa
Humberg, Mabel Virginia, Ottawa	Wimmer, Mrs. Edna Bailey, Ottawa
Sherridge, Elsie Mary, Yates Center	Winkler, Alice Edna, Marion
Sticks, Mary Grace, Calumet, Okla.	Wynne, Roy, Neeton
Wicks, Ruth Hume, Calumet, Okla.	

Sophomores

Adams, Helen, Kansas City, Mo.	Garsert, Gladys Hazel, Kansas City, Mo.
Anderson, Bert, Ottawa	Gard, Helen Midge, Ottawa
Ansoett, Hazel Mildred, London	Griffith, Lloyd Erving, Barnard
Ayraud, Jessie Ruth, Ottawa	Harder, Ward Dolores, Ottawa
Banta, Grace Frances, Oberlin	Heebarg, Margaret Viola, Ottawa
Banta, Helen Martha, Oberlin	Heiken, Ernest Barn, Ottawa
Barnhart, Wilma Marie, Ottawa	Hewett, Kinos Robert, Wellsville
Borson, Laurin Eugene, Milo	Houston, Marion Frances, Sterling
Bredrick, Edna Fern, Ottawa	Rhodes, Elizabeth Gertrude, Lewis
Campbell, Helen Clark, Ottawa	Hubert, Helen Theresa, Pratt
Carter, Winnie Harold, Ottawa	Johnson, George Phillip, Alta Vista
Davenport, Louise, Ottawa	Johnson, Olive Cecelia, Ottawa
Davis, John Solomon, Williamsburg	Johnson, Ruby Elizabeth, Clifton
Dewey, Edmund Clifford, Chanute	Johnson, Ruth Victoria, Clifton
Dunn, Marguerite Ann, Ottawa	Lare, Velma Irene, Ottawa
Eeringhous, Sarah Billie, Ottawa	Le Grande, Herbert Evelyn, Fordsville, Ky.

Lindgren, Dorothy Anna, Kansas City
Lusvard, Marguerite Anita, Ottawa
Maxwell, Mildred Irene, Ottawa
Pearson, Laura Louise, Ottawa
Petersen, Gordon, Alton, Ontario
Pittier, Isabel Carrie, Nanticoke
Reid, Norman Irvin, Oberlin
Riedgen, Ray Edwin, Ottawa
Ries, Otto Milo, Ottawa
Rudd, Herbert Ernest, Sudbury
Russell, Lyman, West Plains, Mo.
Sprengler, Odella May, Ottawa
Spradling, Lela, Independence

Freshmen

Armstrong, Eula Helen, Ottawa
Ashcraft, John W., Protection
Barnes, Richard Allen, Lumberton
Barr, Ray Harold, Holton
Bartlin, Mrs. Myrtle Oberlin
Berk, Samuel Howard, Gaylord
Bingaman, John D., Princeton
Bishop, June, Sedan
Bickelmann, Karl B., Oberlin
Bonar, Florine Gordon, Pasadena, Calif.
Boutline, Chester Michael, Ada
Boyer, Fred Albert, Uniontown
Briggs, Ruth Phyllis, Sedan
Brumner, Ernest Gordon, Sedan
Cassmet, Stanley Albert, Sedan
Clark, Lura Marie, Coffeyville
Clark, Nora May, Kansas City
Cook, Paul David, Ottawa
Cramer, Vinton Jennings, Wakefield
Dean, Bertha Elizabeth, Princeton
Deoritz, Flora Myrtle, Clements
Deanton, Paul Marjorie, Colony
Dick, Edwin Glenn, Ottawa
Downer, Irma Irene, Morrill
Dryden, Claude Gordon, Rolla
Dugan, Rollo Carlton, Ottawa
Foley, Winifred Henderson, Ottawa
Elliot, Lena Arno, Ottawa
Elliot, Mildred Marjorie, Fowler, Colo.
Falls, Roberta, Ottawa
Farrin, Horace Harlan, Wilmore
Faulber, Freda Lena, Ottawa
Fiora, Claude Stanley, Centerville
Floyd, Cecil Sanford, Ottawa
Foster, Dorothy Kent, Ottawa
Foster, Robert Lee, Protection
Fritts, Harold Milton, Paola
Gentry, Mildred Alice, Ottawa
Gillett, Floyd Henry, Ottawa
Gillett, Nellie Maude, Ottawa
Grice, Alta Adaline, Burlington
Guyer, Ernest Hugh, Protection
Hanes, Helen Evelyn, Ottawa
Harding, Adolbert Lee, Hummel
Hartman, Margaret, Sedan
Harrison, Roy Lee, Sedan
Harris, Margaret, Hunsville, Ala.
Hart, Doris Jane, Ottawa
Higgins, Dollie May, Ottawa
Howard, Mary Arnes, Ottawa
Hunt, Gertrude Lela, Ottawa
Hunt, Harold James, Wilmore
Johnson, Herman, Alta Vista
Johnson, Marguerite Ruth, Ottawa
Jones, Annon Davis, Liberal
Jones, Ross Payne, Chicago, Ill.
Jordan, Olin Lynn, Iola
Kemper, Hollis Duval, Lakin

Special

Unsett, Elsie Marie, Ottawa

Swischert, Elsie Clay, Norwich
Tetter, Josephine, Ottawa
Walters, Alta Leona, Ottawa
Ward, Marguerite Florilla, Lindsay, Calif.
Webster, Mary Alice, Garden City
Wells, Glenn Eddy, Ottawa
Williamson, Ida Beatrice, Ottawa
Wilson, Lucile Marie, Mount Valley
Wimmer, Gay Halbert, Ottawa
Wise, Helen Ann, Mount Valley
Whelan, Mildred Carrie, Iola
Wolgar, Dewey Earl, Alta Vista
Worthington, Paul Jefferson, Ottawa

Kennedy, Harold Douglas, Ottawa
Kilmer, Scott, Holton
Laird, Nellie Marie, Ottawa
Lumaster, Roscoe Eugene, Ottawa
Lyle, Howard Clayton, Ottawa
Lynn, Ross Alvin, Ottawa
Lund, Clyde J., Escalante
Lundberg, Mildred Christina, Norton
Lundy, Lillie Marie, Ottawa
Manspeaker, Helen, Garnett
Mason, Marion Harvey, Ottawa
Mather, Ray Samuel, Ottawa
McCarthy, Margaret Eileen, Ottawa
McGonnell, Lily Elizabeth, Kansas City
McFadden, Maude Agnes, Ottawa
McMurry, Guy Ray, Buffalo
Melcher, Marjorie M., Ottawa
Mox, John Myron, Ottawa
Mitchell, George Clarence, Ottawa
Morton, Faye Ulmott, Ramoth
Newman, Marguerite Marie, Garnett
O'Connor, Esther Laura, Ottawa
Olse, Grace M., Girard
Ott, Charles Albert, Ottawa
Paul, Joseph Augustus, Ottawa
Pennington, Thomas Edward, Kansas City, Mo.

Pfeiffer, Herbert Grinnell, Lorraine
Phelps, Paul Stanley, Ottawa
Powers, Franklin E., Grady
Price, Henrietta Louise, Topeka
Randall, Esther Inez, Sedan
Rathbun, Marie Belle, Sedan
Reichner, Faye Albin, Silver Lake
Remick, Ward Huffman, Sedan
Ritchie, Morris Rowland, Ottawa
Ross, Mary Lucile, Barnard
Rounds, Howard Gilmore, Winfield
Rudditt, Thelma D., Escalante Springs, Mo.

Safford, Martha Jane, Kingston
Schneider, Edna Grace, Ottawa
Sharr, Berthea Narcissa, Kansas City
Smith, Thelma Price, Anthony
Stewart, Opelia Ruth, Ottawa
Swanlander, Clara Charlotte, Canton
Swenson, Alvina, Concordia
Tol, Leonard E., Oberlin
Towse, Claude, Ada
Tussock, Lawrence Edwin, Ottawa
VanVoorst, Ida Inez, Carleton
Vaughan, Christopher, Mount Valley
Walsh, Arthur Ford, Ottawa
Weinheimer, Marie, Ottawa
West, Mary Virginia, Ottawa
Weninger, Ralph Elmer, Eldorado, Mo.
Wright, Glenn Allen, Alwood
Wright, Irene, Greasy

Gilger, Adella, Ottawa

ACADEMY

Fourth Year

Almerson, Clois Jane, Salina
Baker, Ade, Forrest, Ottawa
Bell, Ruth Frances, Newark, Ohio
Bergerman, Joseph Edward, Ottawa
Brockett, Walter Scott, Ottawa
Dean, Kevin, Protection
Fancitor, William Wendell, Ottawa
Gates, Alta Irene, Ottawa
Gillette, Genevieve Alice, Ottawa
Johnson, Julia Theresa, Concordia
Keech, Florence, Ottawa
Lard, William Arlin, Ottawa

Lynn, Ernest Marion, Higginsville, Mo.
McDaniel, Ethel Fern, Homewood
Mathias, Pearl, Ottawa
Miller, Edwina T., Ottawa
Michals, Margerie Brown, Ottawa
Smith, Paula, Billings, Mont.
Pettit, Bertrise Irene, Hutchinson
Rhoades, Agnes Maura, Lees Summit, Mo.
Roberts, Adria Earl, Ottawa
Staudt, John, Ottawa
Stuehler, Clara Charlotte, Canton
Weber, Leone Bertha, Ottawa

Third Year

Bulley, Lowell Ernest, Ottawa
Brackman, Hulda Lydia, Kansas City, Mo.
Bunning, Robert Charles, Kansas City
Buerli, Esther Louella, Ottawa
Hendley, Alice Louise, Ottawa
Jackson, Veda Constance, Ottawa
Murphy, Ruth Inez, Manhattan
Olsen, Arnes Bennett, Ottawa
Paul, Frances Eleanor, Ottawa

Phelps, Arthur Dwight, Ottawa
Riggs, John Forest, Ottawa
Riller, Verda Grace, Howard
Tegner, Frederick Raymond, Collier
Telchgraber, William Charles, Kansas City, Mo.
Twining, Edith Lois, Ottawa
Twining, Paul Ernest, Ottawa
Smart, Carolyn Bedford, Ottawa
Wormin, Harold Silman, Winfield

Second Year

Battin, Ralph, Oberlin
Berk, Franklin, Frederick, Pawtucket, Okla.
Belle, Harry Albert, Pueblo, Colo.
Bergman, Ada Marie, Fortwell, Mo.
Brewster, Sara Alice, Ottawa
Brisson, Cecil Andrew, Ottawa
Coker, Ray Grant, Quinter

Goshing, Emma Faye, Ottawa
Dorland, Fred Albert, Chicago, Ill.
Good, Margaret Alice, Ottawa
Hager, Isaac Davis, Ottawa, Iowa
Harris, Harold George, Ottawa
Herrin, Kenneth Philip, Ottawa
Olson, Ruby Josephine, Ottawa

First Year

Bent, Opal Francis, Ottawa
Brenner, Albert Henry, Ottawa
Brenner, Wilma Hamilton, Goodrich
Carter, John Theodore, Haringlane
Cole, James Donald, Mount Valley
Dennis, Donald George, Pomona
Gillette, Ralph Raymond, Ottawa
Hicklin, Edward Franklin, Ottawa
Howard, Charles Herman, Ottawa
Johnson, Alice Victoria, Concordia

Johnson, Clarence Waldemar, Clyde
Johnson, Fredrick, Edholm, Clinton
Johnson, Gustaf Ross, Orange City
Johnson, Viola Hulda, Clifton
Kovne, Wallace Valentine, Ottawa
Sanders, Rell Leroy, Homewood
Slavens, Robert Lee, Stensburg, Colo.
Wiles, Howell Thomas, Arkansas City
Willis, Ruby Warren, Wakenda, Mo.

Special

Rand, Arvid Jonathan, Osage City
Bonne, Ida Pearl, Ottawa
Brenner, Joseph Reginald, Smith Center

McFadden, Frances Green, Ottawa
Meyer, Mrs. Mary, Ottawa
O'Brien, Esther Marie, Concordia

CONSERVATORY OF MUSIC

Piano

Adams, Marie, Ottawa
Adams, Violet, Ottawa
Anny, Dixie, Chautau
Anderson, Beatrice, Ottawa
Anderson, Hazel, Lyndon
Anton, Rex, College View, Neb.
Barnhart, Lillian, Ottawa
Bennet, Phyllis, Ottawa
Bunt, Dorothy, Ottawa
Borrell, Eugene, Milo
Briggs, Ruth, Sedan
Brodick, Edna, Ottawa

Bryan, Elizabeth, Ottawa
Conard, Elizabeth, Ottawa
Conard, Frances, Ottawa
Crawford, Bernice, Ottawa
Crum, Duffing, Winfield
Eckman, James, Clay Center
Davis, Arthur, Princeton
Dean, Evelyn, Princeton
De Yar, Catherine, Ottawa
Dorland, Margaret, Ottawa
Devlin, Viola, Ottawa
Dudley, Tempa, Winfield

Bunker, Nell, Ottawa
 Drake, Violet, Ottawa
 Bruden, Rose, Pomona
 Early, Helen, Ottawa
 Easler, Gladys, Ottawa
 Edwards, Mrs. F. A., Ottawa
 Elliott, Mildred, Fowler, Colo.
 Everhart, Everett, Ottawa
 Fabbian, Cleo, Ottawa
 Farrell, Ruth, Ottawa
 Fine, Pauline, Ottawa
 Garst, Verna, Ottawa
 Gladstone, Mary, Ottawa
 Goodman, Paul, St. John
 Gossett, Bryan, Ottawa
 Hale, Vernon, Cherryvale
 Hallberg, Christina, Ottawa
 Hamilton, Thelma, Ottawa
 Hancey, Lucile, Pomona
 Harns, William, Ottawa
 Harshbarger, Helen, Ottawa
 Hayward, Vida, Ottawa
 Heber, Amelia, Ottawa
 Hildebrand, Frances, Pomona
 Hudson, Mary, Pomona
 Hulbert, Helen, Pratt
 Jackson, Ella, Ottawa
 Jackson, Veda, Ottawa
 Jasper, Lorena, Ottawa
 Johnson, Julia, Concordia
 Johnson, Ruth, Clinton
 Johnson, Viola, Clinton
 Johnson, George, Ottawa
 Juvenal, Laura, Ottawa
 Juvenal, Margaret, Ottawa
 Koch, Thelma, Ottawa
 Lamb, Mary, Ottawa
 Lister, Evelyn, Ottawa
 Littell, Mary, Ottawa
 Lundy, Elizabeth, Ottawa
 MacMurray, Mrs. Nadie, Garnett
 Maher, Geraldine, Ottawa
 Nail, Fernand, Ottawa
 Nasser, Frankie, Ottawa
 Martin, Mrs. Charles, Ottawa
 Martin, Mrs. Fred, Ottawa
 Mathias, Dama, Ottawa
 Mathias, Pearl, Ottawa
 Maxwell, Mary, Ottawa
 McCrene, Jesse, Ottawa

Voice

Allen, Clyde, Coffeyville
 Atton, Rex, College View, Nebr.
 Ayrault, Ruth, Ottawa
 Bailey, Mrs. R., Ottawa
 Barnhart, Lottie, Ottawa
 Bayles, Ernest, Ida
 Bennett, Elizabeth, Ottawa
 Bishop, Jane, Sedalia
 Blunt, Dorothy Viola, Cawker City
 Blunt, Mrs. Cawker City
 Bobb, Harry, Ottawa
 Borgon, Eugene, Milo
 Brewster, Alfred H., Ottawa
 Brewster, Sara, Ottawa
 Brendrich, Walter, Ottawa
 Carter, W. H., Ottawa
 Casey, Winifred, Princeton
 Clarke, Marie, Coffeyville
 Cook, Kathryn, Ottawa
 Dammann, Jeanne, Clay Center
 Denton, Fred, Colfax
 Dunning, Robert M., Kansas City
 Easley, Winston, Ottawa

McDonald, Ellice, Ottawa
 McDougall, Rosale, Kansas City
 McElmirey, Jeanette, Ottawa
 McFadden, Maude, Ottawa
 Menger, Marguerite, Quenemo
 Melchert, Marjorie, Ottawa
 Melcher, Marie, Merrill
 Ostrom, Esther, Concordia
 Payne, Aldyth, Ransom
 Perry, Jane, Ottawa
 Peterson, Pearl, Ottawa
 Potts, Tuba, Billings, Mont.
 Price, Henrietta, Topoka
 Randall, Esther, Sedon
 Reichert, Faye, Silver Lake
 Robo, Letha, Ottawa
 Robo, Orlo, Ottawa
 Ritchie, Kravalla, Ottawa
 Safford, Martha, Kingston
 Schneider, Edna, Ottawa
 Schmitt, Bertha, Ottawa
 Sprague, Margaret, Ottawa
 Spencer, Frances, Ottawa
 Spindling, Zella, Independence
 Starnes, Naomi, Ottawa
 Starns, Ruth, Ottawa
 Stevens, Mildred, Pomona
 Stewart, Grace, Ransom
 Stillman, Helen, Ottawa
 Stucker, Elizabeth, Ottawa
 Stucker, Gordon, Ottawa
 Stuenkel, Edith, Pomona
 Swenson, Alvina, Concordia
 Tephmeyer, Hazel, Ottawa
 Teyton, Josephine, Ottawa
 Thorne, Mary, Ottawa
 Thorne, Mine, Ottawa
 Thorne, Olive, Ottawa
 Trouser, Isabel, St. Joseph, Mo.
 Van Meter, Gladys, Ottawa
 Van Voorst, Ira, Carlton
 Ward, Marguerite, Fresno, Calif.
 Weaver, Mary Ellen, Ottawa
 Weidman, Mary Alice, Garden City
 Welch, Fred, Pomona
 White, Howell, Arkansas City
 Wilson, Vera Mae, Ottawa
 Winters, C., Ottawa
 Wiseman, Mildred, Ida
 Wright, Gladys, Overbrook
 Wright, Irene, Greeley

Edwards, Mrs. F. A., Ottawa
 Eider, H. L., Topoka
 Foster, Dorothy, Ottawa
 Gallagher, Alice, Ives
 Cotton, Glen, Milton
 Good, Margaret, Ottawa
 Griffith, Lloyd, Bernard
 Hale, Vernon S., Cherryvale
 Harrison, P. J., Ottawa
 Hopland, Georgia, Ottawa
 Humbert, Ruth, Ottawa
 Howell, Carrie, Mt. Hope
 Johnson, Olive, Clinton
 Jones, Edward, Bouns
 Le Grande, Herbert, Fordville, Ky.
 Mansfield, Mrs. Frank, Ottawa
 Mathias, Dama, Ottawa
 Maxwell, Mildred, Ottawa
 McChellen, Letha, Ottawa
 McFadden, Frances, Ottawa
 Moffett, Clyde, Ottawa
 Nelson, Mary, Ottawa
 Ostrom, Esther, Concordia

OF OTTAWA UNIVERSITY

Paul, Ruth, Ottawa
 Price, Kravalla, Coffeyville
 Price, Henrietta, Topoka
 Ranso, Laura Elizabeth, Leavenworth
 Reichert, Faye, Silver Lake
 Rickels, E. H., Paola
 Robo, Letha, Ottawa
 Shiner, Veronica, Ottawa
 Stevens, Rosal, Sedonburg, Colo.
 Spindling, Zella, Independence

Anderson, Olga, Ottawa
 Bates, Hazel Louise, Ottawa
 Bird, Frank, Ottawa
 Blum, Robert, Ottawa
 Brown, Enoch, Ottawa
 Bryant, Juanita, Ottawa
 Burn, Jacquelin, Ottawa
 Casey, Winifred, Princeton
 Clinch, Mabel, Ottawa
 Cole, Hazel, Ottawa
 Davidson, Lydie, Ottawa
 Drake, Doris, Ottawa
 Dye, Oswald, Ottawa
 Elliott, Lona, Ottawa
 Fancher, Wilma, Ottawa
 Harris, Kathryn, Princeton
 Hood, Thelma, Ottawa
 Jasper, Erno, Ottawa
 Kerr, Dean Meredith, Ottawa

Harmony and Other Musical Courses

Bauer, Ralph M., Ottawa
 Crawford, Agnes, Girard
 Dennis, Fred, Chicago, Ill.
 Denton, Paul, Colfax
 Elliott, Mildred, Fowler, Colo.
 Findley, Mrs. R. C., Ottawa
 Giffen, Glen, Milton
 Griffith, Lloyd, Bernard
 Hulbert, Helen, Pratt
 Johnson, Olive, Clinton
 Johnson, Ruth, Clinton
 Lynn, Robert, Ottawa
 Maxwell, Mildred, Ottawa
 McDougall, Rosale, Kansas City

Swenson, Mildred, Clay Center
 Toy, Lida, Cherryvale
 Tucker, Frances, Wellsville
 Twining, Edith, Ottawa
 Van Voorst, Ira, Carlton
 Wilson, Lucile, Mount Valley
 Wine, Helen, Mount Valley
 Wiseman, Mildred, Ida
 Wortman, Harold S., Winfield

Violin

Lamb, John, Ottawa
 Leach, Pauline, Meredith
 Mellich, Nellie, Ottawa
 Miller, Edwinna, Ottawa
 Nelson, Mary, Ottawa
 Parkey, Emma, Ottawa
 Powers, Franklin, Greeley
 Ross, Mary, Bernard
 Scott, Evelyn, Ottawa
 Scott, William, Ottawa
 Sheldon, Elizabeth, Ottawa
 Smith, Mary Elizabeth, Ottawa
 Stearnard, Mabel, Ottawa
 Tower, Carl, Ottawa
 Van Oudell, Dan, Ottawa
 Weber, Alice, Ottawa
 Weaver, Miss, Ottawa
 Wheeler, Lina Lou, Ottawa
 Winkley, Alice, Marion

Murphy, Wallace, Concordia
 Ostrom, Esther, Concordia
 Price, Henrietta, Topoka
 Ranso, Laura E., Leavenworth
 Reichert, Faye, Silver Lake
 Robo, Orlo, Ottawa
 Safford, Martha, Kingston
 Swenson, Alvina, Concordia
 Taft, Mrs. Robert, Ottawa
 Van Voorst, Ira, Carlton
 Walters, Alta, Ottawa
 Winkley, Alice, Marion
 Wiseman, Mildred, Ida
 Worthington, Paul, Ottawa

SUMMARY OF STUDENTS

COLLEGE

Seniors	37
Juniors	45
Sophomores	58
Freshmen	114
Special	2

256

ACADEMY

Fourth Year	24
Third Year	18
Second Year	14
First Year	19
Special	6

81

CONSERVATORY OF MUSIC

Piano	125
Voice	65
Violin	38
Harmony and other courses	28

256

Grand Total	593
Repeated Names	113
Net Total	480

DEGREES, DIPLOMAS, PRIZES AWARDED
IN JUNE, 1919

DEGREES IN COURSE

Bachelor of Arts

Hattie Irene Bailey	Oliver Franklin Potter
Lillian Florence Benjamin	Samuel Schreiner
Edna Bell Demaree	Helen Katherine Spradling
Glen Adolbert Hayward	Ralph Alfred Stonebraker
Zena Margaret Pettin	

Bachelor of Science

Verba May Ballman	Herbert McCoy
John Milton Cross	Agnes Marie Park
Leila Rump Cross	Blanche Anna Marie Potts
Victor Ivan Downey	Leon Ekanash Smith
Jennie Hudson	Lawrence Clifford Thomas

Honor Graduate

Oliver Franklin Potter

DIPLOMAS IN THE ACADEMY

College Preparatory Course

Bertha Elizabeth Dean	Mary Christine Mori
Flora Myrtle Deering	Frederick Addison Napier
Paul Margorie Denton	Thomas Edward Pennington
Leola Anne Elliott	Selma Christine Pierson
Freda Anna Fehler	Howland Morris Ritchie
*Daniel Ritchie Vogt	Edna G. Schreiner
Nettie Ruth Napier	Florence Elizabeth Standfast

Commercial Course

Edell Sanford Floyd
John Myron Metz
*Ira Lee Van Vleet

*Candidates whose work is incomplete.

Prizes Awarded June, 1919

Debate Prize, First—Samuel Schreiner	
Debate Prize, Second—Helen Spradling	
Sophomore Essay Prize, First—Ruth Hicks	
Sophomore Essay Prize, Second—Evalena Price	
Freshman Declamation Prize, First—Grace Banta	
Freshman Declamation Prize, Second—Marguerite Luesing	
Freshman Latin Prize, (divided)	{ Helen Hulburt
	{ Helen Wise
Academy English Prize—Bertha Dean	

Scholarships Awarded for 1919-20

Pilson-Shoemaker Scholarship—John Powell, George Foster,
Fern Willis Scholarship—Mildred Gentry.
Alumni Scholarship—Margaret Good.
Academy Scholarship—Morris Ritchie.
University of Kansas Scholarship for 1920-21—Marie Mickey.

THE ALUMNI ASSOCIATION

Officers for 1919-1920

President	Kathryn Gunn, 1911
Vice President	Glen Hayward, Lake City, 1919
Secretary	Emma Griffith GHiland, Ottawa, 1912
Treasurer	Frank Jones, Ottawa, 1918

The regular meetings of the association are held on the Tuesday immediately preceding Commencement Day. The Alumni exercises include a business meeting and a luncheon and reception to the members of the graduating class. All alumni are urged to affiliate themselves with the association and attend its meetings whenever possible.

The University earnestly desires to be informed of changes in residence which its graduates may make.

A Board of Recommendations has been organized, of which the President of the University is chairman and the Professor of Education is secretary. This board endeavors by recommendations, correspondence, nomination and otherwise, to assist the students and graduates of the University in securing such positions of confidence and trust as their records and past accomplishments may entitle them to hold. Its services are at the disposal of the alumni and former students of the University. No fee will be charged except a nominal one to defray necessary expenses of correspondence. The work of the board is entirely co-operative and the help of every alumnus is asked to make the organization a success. Communications addressed to the "Board of Recommendations of Ottawa University" will receive immediate and careful attention.

Class Memorials

Class of 1892.....	Oil Portrait of Franklin Johnson, D. D. President of Ottawa University, 1890-92
Class of 1907.....	Bas Relief of the Reverend John Tecumseh Jones, Founder of Ottawa University, 1890-92
Class of 1908.....	Gateway at Northwest Entrance to Campus Picture of Prof. M. L. Ward.
Class of 1909.....	Filson-Shoemaker Memorial Scholarship of \$1,200
Class of 1910....	A Refracting Telescope with a five-inch object-glass
Class of 1911.....	An Automatic Clock for ringing bells
Class of 1912.....	Gateway at West Entrance to Campus
Class of 1913.....	\$2,032.36 toward the Gymnasium
Class of 1914.....	\$1,600.00 toward the Gymnasium
Class of 1915.....	\$1,260.00 toward the Gymnasium
Class of 1916.....	Steel Flagpole with encircling Cement Driveway
Class of 1917.....	Scholarship of \$1,000.00
Class of 1918.....	Scholarship of \$1,120.00

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