

BULLETIN
OF
OTTAWA UNIVERSITY
OTTAWA, KANSAS



CATALOG EDITION, 1920-1921
ANNOUNCEMENTS FOR 1921-1922

OTTAWA UNIVERSITY
OTTAWA, KANSAS

THE

ANNUAL CATALOG

REGISTER FOR 1920-1921
ANNOUNCEMENTS FOR 1921-1922



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THE UNIVERSITY CALENDAR

1921

February 1, Tuesday—The Second Semester Begins.

April 21, Thursday—Charter Day.

June 3, Sunday, 10:30 a. m.—Baccalaureate sermon by the President.
8:00 p. m.—Sermon before the Christian Associations.

June 4, 6-8.—Final Examinations.

June 8, Wednesday,—Dedication of Ward Science Hall.
6:30 p. m.—Alumni Dinner.

June 9, 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 10, Friday, 10:30 a. m.—Commencement.
12:30 p. m.—Commencement Dinner.

September 13, Tuesday, 9:30 a. m.—First Semester begins.

November 24, Thursday—Thanksgiving.

December 23, Friday, 4:20 p. m.—Holiday Recess begins.

1922

January 3, Tuesday, 8:00 a. m.—Holiday Recess ends.

January 24, 26, Tuesday-Thursday—Mid-year Examinations.

January 31, Tuesday—Second Semester begins.

BOARD OF TRUSTEES

Term Expires June, 1921.

G. W. CASHIDY, Sioux City, Iowa
 C. Q. CHANDLER, Wichita
 L. E. LAWSON, McPherson
 C. F. LAMB, Ottawa
 W. P. LAMBERTSON, Fairview
 J. V. MITCHELL, Ottawa
 WILLIAM MOORE, Anthony
 ARVIN S. OLIN, Lawrence
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Term Expires June, 1922

H. C. DALE, Cushing, Okla.
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Term Expires June, 1923

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Term Expires June, 1924

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OFFICERS OF THE BOARD OF TRUSTEES

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COMMITTEES

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Auditing: F. O. HETRICK, Chairman; C. F. LAMB, J. W. EBY.

Officers of Charlton Cottage Committee: MRS. L. R. HIGGINS, Chairman; MRS. F. H. STANNARD, Treasurer.

Women's Educational Society: MRS. S. E. PRICE, President; MRS. R. S. BLACK, Treasurer.

Chairman of Committee for Finding Homes for Girls: MRS. ROBERT TAFT, 930 South Cedar St.

THE FACULTY AND OTHER OFFICERS

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MILAN LESTER WARD, D. D., Professor Emeritus of Mathematics.

WILLIAM B. WILSON, M. S., Dean. Professor of Biological Science.

LEONIDAS R. HIGGINS, Ph. D., Professor of Greek and Latin Literature.

ROWLAND HENRY RITCHIE, A. M., Professor of English.

ROBERT R. RUSSEL, A. M., Professor of History and Political Science.

ROBERT TAFT, M. S., Professor of Chemistry.

FLOYD N. HOUSE, A. M., Professor of Economics and Sociology.

ALFRED E. COPE, A. M., Professor of Education.

LLOYD C. BAGBY, A. B., Professor of Mathematics.

IRVIN W. COX, A. B., Professor of Physics.

*LINA TULLOSS, B. S., Assistant Professor of Home Economics.

AGNES T. CRAWFORD, A. B., Assistant Professor of French.

ELMINA GRAHAM, B. L., Assistant Professor of English.

ELIZABETH McCONKEY, A. M., Assistant Professor of Spanish.

HELEN L. BLAKE, A. M., Assistant Professor of English.

ESTHER S. JONES, A. B., Assistant Professor of Biological Science.

MABEL HARR, B. S., Physical Director of Women.

ROBERT E. BRANNAN, B. S., Physical Director of Men.

TRUTH TULLOSS, Instructor in Home Economics.

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

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.

MARY NELSON, Teacher of Violin.

WINIFRED L. CASSEY, Assistant Teacher of Violin.

IRMA THOMAS, Recorder and Secretary to the President.

MARGARET STICKLER, Matron of Charlton Cottage.

* Absent on leave during the first semester, 1920-1921.

† During the first semester, 1920-1921.

FACULTY COMMITTEES

Admission and Advanced Standing, Professors Wilson, Cope, Miss Brown; Athletics, Professors Wilson, Taft, Brannan, Captains of the Teams; Chapel and Other Services, Professors Ritchie, McConkey, Presidents of the Christian Associations; Library, Professors Higgins, Russel, House, Bagby, Cox; Forensics, Professors Ritchie, Blake, Graham, a Member of the Student Council; Homes and Interest of Girls, Misses Umstot, Brown, Harr; Social Interests, Professors Crawford, Jones, Tulloss; Student Cooperation in Government, Dean Wilson, Miss Umstot, the Chairman of the Student Council.

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 Tumamah 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 and 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 Tullios, Probate Judge of Franklin county, to I. S. Kallioch, C. C. Hutchins, John G. Pratt, J. T. Jones, James King, William Herr 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 640 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 in 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 1921 the endowment is \$450,000. 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 1920 were about \$900,000. 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 1849 and contained some living rooms as well as recitation rooms and chapel. It was burned in 1875 and rebuilt the same year. From 1903 to 1921 it was 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 1903 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 \$34,000.

A new science building, called Ward Science Hall, in honor of Dr. M. L. Ward, was erected in 1920.

A central heating plant was erected in 1920.

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, 1881-1882; Rev. M. L. Ward, President, 1882-1888; Rev. George Sutherland, Acting President, 1888-1890; Rev. Franklin Johnson, President, 1890-1892; Rev. F. W. Colgrove, President, 1892-1896; Rev. J. D. S. Riggs, President, 1896-1905; Prof. R. A. Schweigler, Acting President, 1905-1906; 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 was recently 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. In size it is 73 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 900 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, 166 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 86 feet in size. The third floor contains a handball court and a gallery with running track.

Ward Science Hall, erected in 1920, 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 are 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—These laboratories with the lecture room, store room and office occupy the entire first floor of Ward Science Hall. The furniture is new and ample and the equipment has been greatly increased. Work in Botany, Zoology, Physiology and Bacteriology may be carried on under the most favorable surroundings. The building is excellently lighted and heated. Water, gas and electricity are fully supplied.

In General Biology 80 students may work at one time. The student is supplied with locked drawer, dissecting and compound microscopes, dissecting needles, glass ware and other necessary equipment. In Zoology and Botany the equipment is the same as for General Biology.

The Bacteriology Laboratory is supplied with oil immersion microscopes, autoclave, ovens, incubators and ample glass ware. Lockers are supplied for each student.

The Laboratory for Histology and Cytology is supplied with microscopes, simple and compound, paraffin bath, bake oven and three good microtomes. Lockers are provided for each student.

The Chemical Laboratories—The chemistry department is located on the second floor of Ward Science Hall, and includes four laboratories, a library room, a lecture room, a store room, a dark room, a balance room, and an office. The general chemistry laboratory occupies a large room at the north end of this floor. It will accommodate at present, one hundred and forty-four students working in two sections. There is room, however, for two more desks which will increase the capacity of the laboratory to nearly two hundred. A smaller laboratory occupying the southeast corner of the floor is provided for the students of organic chemistry and quantitative analysis. It has a capacity of thirty-six students, at present, which can be increased to fifty. The physical chemistry laboratory will accommodate twenty students. A small dark room opens from this laboratory, for work in spectroscopy and polarimetry. The balance room lies between the laboratories of physical chemistry and quantitative analysis. A fourth laboratory is provided for the use of the head of the department. All the laboratories are provided with running water, natural gas, direct and alternating current, while the laboratory of quantitative analysis has in addition to the above, hot water and compressed air. The furniture for the laboratories was provided by the Kewanee Manufacturing Company. The lecture room occupies the southwest corner of the floor and will seat over one hundred.

Other equipment of the department in the form of apparatus, chemicals, and miscellaneous supplies is up to the standard set by the building itself. It is sufficient to give thorough instruction in the courses offered. Special pieces of apparatus which might be mentioned are electrically heated and controlled thermostatic water bath, electric drying oven, electric furnace, stirring motors, spectroscopic, polariscope, platinum crucibles, dishes, electrodes, a type Q Ainsworth balance, a Leeds and Northrup student potentiometer, a Saybolt universal viscometer and a Kohlrausch bridge.

The Physical Laboratories—The department of Physics occupies the entire ground floor of Ward Science Hall. It has a well-equipped lecture room, three main laboratories, a splendid dark room, a departmental library and two large apparatus rooms. Each room

is supplied with water, gas and electricity, both alternating and direct current. The main laboratories are equipped with stone piers and hard wood tables and are especially well heated, lighted and ventilated.

The apparatus is sufficient to show in lectures all the experiments usually given in college physics and to enable the student 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 Gervaise), 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, an 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 vacua, and a spintharoscope for demonstrating radium energy. New apparatus is added, when it is required for the best work.

Home Economics Laboratories—The department occupies three rooms, including a large foods laboratory, a serving laboratory, and a lecture room. In the foods laboratory each student is provided with adequate individual equipment. The serving laboratory equipment includes the following: six large tables for drafting and cutting, drafting squares, drafting paper, sewing machines, electric iron, pressing board and long mirror.

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 Crevecoeur 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. V. Crevecoeur of Onaga, 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 10,700 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 attempted 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	\$15.00
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 \$7.00 or \$7.25 a week according to the room occupied. Board alone has cost \$5.50 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, 1a, 1b, each	7.50
Chemistry, 2, 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
Home Economics, 5	5.00
Home Economics, 7	4.00
Physics, 1, 2, A, B, C, D, each	4.00
Physics, 5, 6, each	6.00
Physiology, A	3.00
Physiology	2.00
Psychology, 2	3.00
Psychology, 5 (Education 5)	2.00
Surveying	3.00
Typewriting	3.00

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 50c 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 \$3.00 per semester hour in the College and \$2.00 per semester hour in the Academy; however, no charge of less than \$1.50 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 following scholarships are now available:

- The Sarah E. and Ella E. Alderson
- The Alumni of Ottawa University in honor of M. L. Ward
- The Abigail Bevington
- The George W. Blatter
- The Theodore F. and Cynthia E. Bradbury

The Simeon Cole
 The Harry W. and Jennie M. Grass
 The James P. and Nellie D. Hall
 The Lucieba and William P. Holroyd
 The C. L. and C. G. Kinney
 The Pearl E. Kollogg
 The Abraham C. and Eliza P. Miles
 The William M. Moore
 The Edwin and Louisa Potter
 The Octavia Reed
 The Cordelia Russell
 The J. W. Tate
 The Harriett Chase Tyler
 The Henry H. and Hattie E. Twining

Other Scholarships are partly paid up and will be available as soon as paid for in full.

There are also the following Scholarship Funds:

The John Tecumseh Jones Fund, \$5,387.45
 The H. O. Stocomb Fund, \$1,000.00
 The Mrs. Blanchard Fund, \$307.50
 The Fern Willis Memorial Fund, \$1,000.00
 The Elson-Shoemaker Fund of the Class of 1909, \$1,025.00
 The Elizabeth May Higgins Memorial Fund of the Class of 1917, \$1,000.00
 The Liberty Fund of the Class of 1918, \$1,100.00
 The George S. Holt Memorial Fund, \$700.00
 The Frank Seary Memorial Fund, \$1,000.00

There are other funds designated for Scholarships, but they are not available at the present time.

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 President's Association. Blanks for this purpose may be secured from the local schools or from Prof. McEachron, Washburn College, Topeka.

The Governor Library Fund of \$1,800.00
 The Becker Library Fund of \$500.00
 The E. K. Chandler Library Fund of \$1,000.00

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.

The Coleman Oratorical Prizes, the first of \$25.00, the second of \$15.00, given by W. C. Coleman of Wichita, are awarded to the students ranking first and second in college oratory.

The Stanley Hageman Memorial Prizes of the Class of 1899, the first of \$15.00, the second of \$10.00, given by S. S. Hageman, are awarded to the two members of the graduating class who rank first and second in scholarship and student activities.

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.

Schmelzer 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 the 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 let-

ters A, B, C, D, E, F, and I. 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 Philalethean 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.

French Club.—The students in the department of French have organized a French club for the purpose of encouraging conversation and promoting an interest in the spoken language. The programs are composed of songs, games and the like. Any student is eligible for membership who has completed French 1 or the equivalent.

Spanish Club.—The students of Spanish have organized a club, "Centro Hispano," for the sake of fostering interest in Spanish and giving opportunity for conversation in that language. Music and games generally make up the programs of the meetings, held once each week. Students who have completed Spanish 1 or its equivalent may join the club.

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 2 units; German, 1 to 4 units; French, 1 to 3 units; Spanish, 1 to 2 units.

Group III. Mathematics: Minimum, 2 units. Elementary Algebra, $\frac{1}{2}$ unit; Plane Geometry, 1 unit; Solid Geometry, $\frac{1}{2}$ unit; Advanced Algebra, $\frac{1}{2}$ unit; Plane Trigonometry, $\frac{1}{2}$ 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 $\frac{1}{2}$ unit; Civics, 1 or $\frac{1}{2}$ unit.

Group V. Science: Minimum, 1 unit. Physical Geography, 1 or $\frac{1}{2}$ unit; General Science, 1 or $\frac{1}{2}$ unit; Physics, 1 unit; Chemistry, 1 unit; Botany, 1 unit; Elementary Biology, 1 unit; Zoology, 1 unit; Physiology, $\frac{1}{2}$ unit; Agriculture, 1 or $\frac{1}{2}$ unit.

Group VI. Miscellaneous: Minimum, none; maximum, 4 units. Wood-working, Domestic Art, Domestic Science, Domestic Art and Science, Bible, Music, each 1 or $\frac{1}{2}$ unit; Commercial Law, Commercial Geography, Psychology, Methods and Management, History of Commerce, each $\frac{1}{2}$ unit; Forging, 1 or $\frac{1}{2}$ unit; Bookkeeping and Stenography, each 1 to 2 units; Typewriting and Drawing, each 1 to 2 units.

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 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 28 or more honor points during the year; "second honors" to those who have secured less than 28 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 1892 and 1889. Students who complete specified work in Psychology and Education receive the State Teachers' Certificates described under Courses in Education.

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	3 hours	Rhetoric 2	2 hours
History 1	2 hours	History 2	3 hours
General Biology	5 hours	Chemistry 1a	6 hours
Trigonometry	2 hours	Surveying	2 hours
College Algebra	3 hours	Roman Civilization	2 hours
		Elective	2 hours

SOPHOMORE YEAR

Psychology, General	3 hours	Rural Problems	3 hours
Chemistry 1b	5 hours	Organic Chemistry	5 hours
Zoology, Invertebrate	3 hours	Zoology, Vertebrate	3 hours
Modern Language	5 hours	Modern Language	5 hours

JUNIOR YEAR

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

SENIOR YEAR

Ethics	3 hours	Christian Evidences	2 hours
Old Testament History	3 hours	Agriculture	3 hours
American History	3 hours	Pacteriology	2 hours
Elective	6 hours	Elective	5 hours

Course leading to Business or Law

FRESHMAN YEAR

First Semester		Second Semester	
Rhetoric	3 hours	Rhetoric 2	2 hours
History 1	2 hours	History 2	3 hours
or		or	
Greek Civilization	2 hours	Roman Civilization	2 hours
General Biology	5 hours	Chemistry 1a	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 1b	5 hours
General Psychology	3 hours
Principles of Economics	5 hours
Electives	2 to 4 hours

Physics 1 and 2 may be carried through the year, in which case Chemistry 1b would probably not be taken. It is important to take Principles of Economics at this time.

The courses for the second semester of the Sophomore year may be elected by the student with the advice of members of the faculty, especially the head of the department of Economics and Sociology. Courses in History, Mathematics, and Economics are desirable, or Principles of Sociology may be permitted, but not too much advanced work in Economics should be taken in the Sophomore year.

JUNIOR YEAR

(Consult the head of the Department of Economics and Sociology)

Advanced courses in		Advanced courses in	
Economics	2 to 4 hours	Economics	2 to 4 hours
American Government	3 hours	Principles of Sociology	5 hours
History	3 hours	State Governments	2 hours
Electives	6 to 8 hours	History	3 hours
		Electives	3 to 5 hours

It is very desirable for the student preparing for business to elect Physics 1 and 2 at some time during his four years.

SENIOR YEAR

Advanced Courses in		Advanced Courses in	
Economics	3 to 5 hours	Economics	3 to 5 hours
Sociology	2 to 3 hours	Christian Evidences	2 hours
Ethics	3 hours	Electives	2 to 11 hours
Electives	4 to 6 hours		

Students preparing for business careers, and those planning to enter law school, should consult the head of the department of Economics and Sociology at every registration, beginning at least with the Sophomore year. In general the following conditions are desirable: Principles of Economics should be taken in the Sophomore year. Mathematics, History, and the beginning courses in Physics and Chemistry are very desirable. It may be advisable in some semesters to cut the registration to fifteen hours or less and take the academy courses in Bookkeeping and Typewriting without credit. The exact offerings in Economics cannot be guaranteed for the future, but after the Sophomore year the student should be prepared to elect such advanced and specialized courses as are offered; they will be alternated to some extent from year to year.

Course for Chemists

FRESHMAN YEAR

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

SOPHOMORE YEAR

Differential Calculus	2 hours	Integral Calculus	2 hours
Physics 1	5 hours	Physics 2	5 hours
Chemistry 1b	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	5 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	3 hours	Rhetoric 2	2 hours
Biology, General	5 hours	Chemistry 1a	6 hours
Home Cooking		Home Architecture and	
or Elective	3 hours	Sanitation	2 hours
Clothing	4 hours	Elective	5 hours

SOPHOMORE YEAR

Chemistry 1b	5 hours	Organic Chemistry	5 hours
Zoology	3 hours	Physiology	3 hours
Psychology	3 hours	Entomology	5 hours
Foods 1	3 hours	Elementary Dietetics	4 hours
Social Problems	3 hours		

JUNIOR YEAR

Physiological Chemistry	4 hours	Foods 2	5 hours
Bacteriology	3 hours	Principles of Econ-	
Principles of Economics	3 hours	mics	3 hours
Elective	8 hours	Elective	7 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	3 hours	Rhetoric 2	2 hours
History 1	3 hours	History 2	3 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	3 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 Trag-	
Shakespeare's Comedies	3 hours	edies	3 hours
Elective	7 hours	Elective	10 hours

SENIOR YEAR

Ethics	3 hours	Christian Evidences	2 hours
Life of Christ	3 hours	Apostolic Age	3 hours
Elective	9 hours	Elective	10 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 1a	6 hours
Rhetoric 1	3 hours	Rhetoric 2	2 hours
General Biology	5 hours	Mechanical Drawing	2 hours

SOPHOMORE YEAR

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

JUNIOR YEAR

Electric and Magnetic		Modern Language	5 hours
Circuits	4 hours	Machine Drawing	3 hours
Modern Language	5 hours	Mechanics	5 hours
Psychology	3 hours	Elective	3 hours
Elective	4 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 1a	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.	5 hours

JUNIOR YEAR

Organic Chemistry	5 hours	Quantitative Analysis	3 hours
Botany	3 hours	Botany	3 hours
Modern Language	3 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

The courses to be offered in the Literature and History of the Bible, and in religion, are somewhat contingent upon the person who may be head of that department in the future. Consequently the courses in that field indicated below are suggestive only. Students preparing for religious work should consult the head of that department before each registration, and students preparing for social work should consult the head of the department of Economics and Sociology; it is advisable in either case to consult the heads of both departments.

FRESHMAN YEAR

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

SOPHOMORE YEAR

History of English Literature	3 hours	Survey of American Literature	2 hours
General Psychology	3 hours	Child Psychology	
Social Problems	3 hours	or	
Old Testament History	2 hours	Social Psychology	2 hours
Elective	4 hours	Rural Problems	
		or	
		City Problems	2 hours
		Old Testament History	2 hours
		Electives	4 hours

JUNIOR YEAR

Principles of Economics	5 hours	Principles of Sociology	5 hours
Life of Christ	3 hours	Apostolic Age	3 hours
American Government	3 hours	State Governments	2 hours
History of the Bible	2 hours	Religious Education	2 hours
Electives	2 or 3 hours	Electives	2 or 4 hours

SENIOR YEAR

Ethics	3 hours	Christian Evidences	2 hours
History of Religion	2 hours	Psychology of Religion	2 hours
Courses in Sociology	2 to 4 hours	Courses in Sociology	2 to 4 hours
Elective	7 to 9 hours	Electives	8 to 10 hours

Course 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 1a	6 hours
General Biology	5 hours	History 2	3 hours
History 1	2 hours		

SOPHOMORE YEAR

Differential Calculus	3 hours	Surveying	3 hours
Surveying	3 hours	Integral Calculus	3 hours
Organic Chemistry	5 hours	Organic Chemistry	5 hours
Physics	5 hours	Physics	5 hours

JUNIOR YEAR

Psychology	3 hours	Physiology	3 hours
Botany 1	2 hours	Bacteriology	2 hours
Histology	2 hours	Botany 2	3 hours
Elective	8 hours	Histology	2 hours
		Elective	6 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	2 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 Literature	3 hours
Major and Electives	10 hours	Major and Electives	10 hours

JUNIOR YEAR

History of Education	3 hours	Educational Psychology	3 hours
Sociology	2 hours	Applied Sociology	2 hours
Laboratory Science	5 hours	Major and Electives	10 hours
Major and Electives	5 hours		

SENIOR YEAR

School Administration	3 hours	Special Methods	3 hours
Major and Electives	12 hours	Major and Electives	12 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. **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 religion 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.

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

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

14. **Agriculture, General Principles and Practices.** Courses suggested as preliminary, Chemistry 1a, and Biology 2, 4, 5, 6, 10, and 11. Second semester, three hours.

For a major in Biology 26 hours are required including courses 3, 4, 5, 6, 7, and 8. It is desirable that students who major in Biology take Inorganic and Organic Chemistry and a modern language.

CHEMISTRY

For students desiring an introduction to the scientific method and the principles of general chemistry, Courses 1a and 1b 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 1a, 1b, 2, 4, and 6 are required. Students majoring or intending to major in chemistry would do well to consult the head of the department frequently and to study with care the suggested course for chemists printed elsewhere in this catalog. For a minor in chemistry, Courses 2 and either 4 or 6 are required.

1a. **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 chemical phenomena. Students receiving credit for Chemistry 1a are advised to continue with Chemistry 1b, as these two courses comprise the so-called "General Chemistry" course of

ferred elsewhere. Prerequisite, high school geometry. Three lectures, one recitation, and two laboratory periods per week. Second semester, six hours' credit.

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

3. Quantitative Analysis. Lectures and laboratory practice in the principles and methods of gravimetric and volumetric analysis. Prerequisite, Course 1b.

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. The first semester of work in organic chemistry includes the chemistry of the aliphatics, the second, the chemistry of the aromatic compounds. Prerequisite, Course 1b. 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, i. e., chemical statics and dynamics including electrochemistry.

Three lectures and one laboratory period per week. Prerequisite, Course 1b; prerequisite or parallel, Physics 2 and Mathematics 8. First and second semesters, four hours each semester.

ECONOMICS AND SOCIOLOGY

Economics

1. Principles of Economics. The general course in economic theory; prerequisite to most other courses in economics; advised but not required as preparation for Principles of Sociology (Sociology 5). Students majoring in the department and students preparing for business are advised to take this course in their Sophomore year. Not open to Freshmen. First semester, five hours.

2. Business Organization. The organization of business enterprises, especially of industrial or manufacturing plants. Textbook, required collateral reading, exercises, class discussions. This course and Economics 4 are complementary, serving together as a descriptive and analytical study of the structure and functioning of modern business enterprises. The courses will be given in general on alternate years. Prerequisite, Economics 1 or equivalent. Second semester, three hours.

3. Transportation. The history, organization, and problems of transportation, especially of railway transportation in the United States. Textbook, extensive outside reading, lectures, class discussion. Prerequisite, Economics 1 or equivalent. First semester, two hours.

4. Marketing. The description and analysis of modern business institutions especially in their function of distribution and exchange of goods. Textbook, readings, exercises. Prerequisite, Economics 1

or equivalent. Second semester, two hours. Omitted in 1921-1922.

5. Money and Banking. Brief history of banking and the currency in the United States and analysis of recent and current problems. Intensive study of the textbook, recitations, discussions. Prerequisite, Economics 1 or equivalent. First semester, two hours. Omitted in 1921-1922.

6. Current Economic Problems. A concrete investigation and analysis of such economic and financial topics as may be of current interest when the course is given. Lectures, extensive reading, exercises, discussions. Prerequisite, Economics 1 or equivalent. Second semester, two hours.

8. Industrial Problems. Recent and current problems of industrial relationship; wage systems, welfare work, strikes, industrial arbitration, collective bargaining, scientific management as affecting industrial relations, co-operative management. Textbook, lectures, extensive reading, discussions. Not open to Freshmen; open to others upon consultation with the instructor. Economics 1 is advised as preparation, but not required. Second semester, two hours. Omitted in 1921-1922.

9. Principles of Insurance. A general study of the theory and problems of life, health, accident, fire, and other forms of insurance. Textbook, recitations, discussions. Not open to Freshmen. First semester, two hours. Omitted in 1921-1922.

10. Public Finance and Taxation. Public finance in the United States. Problems of public finance, systems and problems of taxation. Textbook, intensive reading, lectures, recitations, discussions. Prerequisite, Economics 1 or equivalent. Second semester, two hours.

13. Principles of Accounting, a. This course is open to students who have not had Bookkeeping. The work will take up an analysis and classification of transactions of Retail and Wholesale business according to the fundamental principles of double entry bookkeeping. Supplementary exercises will acquaint the students with the Books of Original Entry, the Ledger, the Trial Balance, Trading, Profit and Loss Statements, Resource and Liability Statements and the Journal Entry, "To Close." The statements are given in both report and technical form. First semester, three hours.

14. Principles of Accounting, b. This course is open to students who have had Accounting a, or can pass a satisfactory examination over the same content from High School Bookkeeping.

The course will include the theory of the Columnar Journal and the Cash Book, Controlling Accounts, Depreciation and Reserve Accounts, advanced Financial Statements, covering in exercises the detail of Corporation records. The theory of Cost Accounting will also be taken up. There will be a text in addition to the supplementary Problems. Second semester, three hours.

15. Business Law. This course takes up the legal significance of business situations. The view point is that of avoiding controversy rather than a professional approach. The study will cover Contracts in general and in special form as applied to Agency, Partnership, Personal Property, Real Property, Corporation and Negotiable Instruments. First semester, three hours.

16. Business Communication. This course will briefly survey the three means by which the business man communicates with the outside world. First: Correspondence, which will cover the principles

plan of effective letter writing both as to form and content. Second: Salesmanship, which is a study of the essentials of personal efficiency and the psychology and mechanics of making a sale. Third: Advertising, which is a study of publicity in its various forms, and the essentials of an Advertising Campaign. Second semester, three hours.

Courses in Economic History of Western Europe, Economic History of the United States, or History of Civilization may be arranged if there is demand.

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 considerable number of the concrete problems of modern society, especially of the abnormal features of modern social life and their causes, and of proposed remedial measures. Textbook, extensive reading, lectures, frequent quizzes, reports. Open to all. First semester, three hours.

2. **Rural Problems.** A descriptive and analytical study of the conditions, tendencies, problems, and constructive agencies of rural life, and of the country village. Textbook, extensive reading, lectures, recitations, discussions, reports. Prerequisite, Sociology 1 or Sophomore standing. Omitted in 1921-1922.

3. **General Anthropology.** Theoretical and descriptive study of the descent of man, man as an animal, social origins, early institutions. Textbook, extensive reading, lectures, discussions. Prerequisite, General Biology or equivalent; open on consultation with the instructor only. First semester, three hours.

4. **City Problems.** Theoretical and descriptive study of the functions and problems of urban communities, political and non-political. Textbook, extensive reading, lectures, recitations and discussions, reports. Prerequisite, Sociology 1 or Sophomore standing. Either semester, three hours.

5. **Socialism.** A comparative and historical study of socialistic, communistic, and anarchistic theories. Textbook, intensive study of assigned readings, lectures, recitations. Not open to Freshmen; Economics 1 is advised as a preparation. Either semester, three hours.

6. **Principles of Sociology.** The general course in social theory. Man and the environment; the psychology, evolution, organization, and institutions of society. Textbook, intensive study of assigned readings, lectures, recitations. Not open to Freshmen; open to Sophomores by permission of the instructor in individual cases. Second semester, five hours.

7. **Statistics.** The elements of statistical method, especially as applied to social and economic studies. Textbook, exercises, recitations. A reasonable command of algebra is necessary. Open only upon consultation with the instructor. Either semester, two or three hours. Omitted in 1921-1922.

Social Psychology, given by the department of Psychology and Education, may be counted on a major in Economics and Sociology, if not counted for minor or group requirements.

EDUCATION

Courses in this department are planned to meet the require-

ments 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, and School Administration, and nine 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, or in equivalent branches.

(3). Special certificates valid for one year in special branches prescribed by State Board. Requirement, two years (60 semester hours) college work, including 28 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. 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 66-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.

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 66-hour state certificate. Only open 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. Omitted in 1921-1922.

6. **High School Administration.** This course presents the modern developments in the secondary field from the standpoint of the high school principal, the head of the department, and the classroom teacher. Open to Juniors and Seniors. Second semester, two 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.

Courses recommended for a major in Group 9 should include 1, 3, 5, 6, and 7 in Education, 1, 2, and 4 in Psychology and 8 and 9 in Philosophy.

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 12.—Biology Teachers' Course.

English 17.—The Teaching of English.

Latin 8.—Teachers' Course in Latin.

Mathematics 12.—The Teaching of Mathematics.

ENGINEERING

1. **Mechanical Drawing.** An elementary course. Prerequisite, Plane and Solid Geometry. First semester, six hours per week, two hours' credit.

2. **Mechanical Drawing.** Prerequisite, Course 1. Second semester, six hours per week, two hours' credit.

3. **Machine Drawing.** Prerequisite, Courses 1 and 2. First semester, three hours' credit.

4. **Descriptive Geometry.** Prerequisite, Course 1. Second semester, three hours' credit.

5. **Surveying 1.** Prerequisite, Trigonometry. A study of surveying instruments, adjustments and uses. Recitation, two hours per week. Ten half-days' field work. First semester, three hours' credit.

6. **Surveying 2.** Advanced course covering topographical surveying, earth work, etc. Prerequisite, Surveying 1. Recitation, two hours per week. Ten half-days' field work. Second semester, three hours' credit.

7. **Mechanics.** A study of the Laws of Statics and Dynamics. Prerequisite, Mathematics 10. First semester, five hours' credit.

8. **Graphical Statics.** Second semester, two hours' credit.

For Electrical courses see Physics 3, 5, 7, and 8.

ENGLISH

Rhetoric, Journalism, Literature, Expression.

A. Rhetoric

1. A course in the principles of writing. Required of all Freshmen. First semester, three hours.

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

3. **Advanced.** Prerequisites, Courses 1 and 2. First semester, two hours.

4. **Advanced.** Prerequisites, Courses 1 and 2. Second semester, two hours.

5. **Debating, Extempore Speaking, Parliamentary Law.** Limited to 25. First semester, three hours.

6. **Public Speaking.** Formal Public Address, Oration. Prerequisite, Course 5 or equivalent. Second semester, two hours.

7. **Argumentation.** Prerequisite, Course 5 or equivalent. Second semester, three hours.

8. **Journalism (a).** An introductory course with practice in the

ordinary types of news writing. Open to students who have had English 1. First semester, two hours.

10. **Journalism (b).** A continuance of Course 1. Second semester, two hours.

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

Work done in contests in oratory and debate is evaluated for credit in connection with Courses 5, 6, and 8.

B. Literature

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

2. **Survey of American Literature.** This course should follow Course 1. Second semester, three hours.

3. **Elizabethan Age.** First semester, two hours.

4. **Puritan-Cavalier Period.** Second semester, two hours.

5. **Shakespeare—Comedies.** First semester, three hours.

6. **Shakespeare—Tragedies.** Second semester, three hours. Prerequisite, Courses 1 and 5.

7. **Classical Period.** First semester, two hours.

8. **Romantic Period.** Second semester, two hours.

9. **19th Century Poetry.** First semester, three hours.

10. **Contemporary Poetry.** Second semester, two hours.

11. **The Novel, to Scott.** First semester, three hours.

12. **The Novel, Dickens to De Morgan.** Second semester, three hours.

13. **The Essayists.** First semester, two hours.

14. **Contemporary Drama.** Second semester, two hours.

15. **English Bible as Literature.** First semester, three hours.

16. **The Bible in English Literature.** Second semester, two hours.

17. **The Teaching of English.** First semester, one hour. Prerequisite, not less than twenty-one hours in English. Required of Seniors who expect to teach English.

Some of the above courses in English literature will be omitted in 1921-1922.

Special attention is called to Course 1, which should be taken in the Freshman year. Course 2 should follow in the same year. Students should consult the head of the department in regard to courses and hours, especially with reference to the sequence of courses for a major in English.

For a major in English twenty-six hours are required. Courses 1 and 2 in Rhetoric, 1 and 2 in Literature and 1 and 2 in Expression must be included in the major. No student will be recommended for teaching English in a high school of the first class, unless he has had Rhetoric 3 and 4 and Literature 17 in addition to the foregoing required courses for the major.

C. Expression

1. **Fundamentals of Expression.** First semester, two hours.

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

3. **Advanced.** Prerequisite, Courses 1 and 2, or equivalent. First semester, two hours.

4. **Dramatics, Art and Technique of Presentation.** Prerequisite, Courses 1 and 2, or equivalent.

GEOLOGY

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

2. **Geology.** A continuance 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.

At present German will be omitted unless there is considerable demand for it.

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 scientific writings with greater ease and accuracy. First semester, five hours.

2. **Selections.** Parts of the Gospel of John and of Xenophon's *Analysis*. 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.

4. **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 a major group should select either economics and sociology, English language and literature, or philosophy as a minor group. Students who major in history and political science should in all cases take Courses 1, 3, 4, 5, 6, 21, and 22. They are strongly advised to take *Principles of Economics* also.

1A. **Greek Civilization.** Introductory course, intended for Freshmen and Sophomores. Identical with Greek 11. First semester, two hours.

2B. **Roman Civilization.** Identical with Latin 12. Second semester, two hours.

1. **History of England to 1603.** A survey of English history to 1603 with emphasis upon constitutional development. This course is intended primarily for Freshmen and is recommended as an introduction to the other courses in the department, particularly the courses in American history and government. First semester, two hours.

2. **History of England, 1603-1922.** Includes the history of the growth of the British Empire. Prerequisite, Course 1. Second semester, three hours.

3. 4. **History of Modern Europe.** First semester, from 1500 A. D. to the Congress of Vienna; second semester, from the Congress of Vienna to the present. Not open to Freshmen except by special permission of the instructor. First and second semesters, four hours.

5. 6. **American History.** History of the United States from about 1763 to the present. Social and industrial conditions and development are studied as well as political and constitutional questions. Prerequisite, one year of college history, or Federal Government. First and second semesters, three hours.

7. **Medieval Civilization.** A survey of European history during the Middle Ages with emphasis upon the church, cultural progress, and the life of the people. First semester, two hours. Omitted in 1921-1922.

8. **Latin America.** A general survey of the history of Latin America from 1492 to the present time and a more intensive study of present day conditions and problems, racial, political and economic. Second semester, two hours.

21. **Federal Government in the United States.** The historical foundations, powers and 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 place of the states in the nation, the electorate, popular control in state governments, organization, powers, functions, and practical working of state, county, and municipal governments. Second semester, three hours.

23. **Introduction to Political Science.** A general survey of the field of political science. Origin, evolution, and nature of the state; forms, organization, and functions of governments. Not open to Freshmen. First semester, two hours.

24. **European Governments.** A comparative study of the governments of a few of the leading European states. Prerequisite, Course 4, 21, or 23. Second semester, three hours. Omitted in 1921-1922.

26. **Teaching of History.** Nature and scope of history, the sources of historical knowledge, historical evidence and criticism; aims and values of the study of history in the high school, the history program, materials and methods of instruction. Open to Juniors and Seniors with fifteen hours' credit in history and government. First semester, one hour.

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. **Foods 2.** Comparative studies of food materials. Experimental cookery with emphasis upon flour mixtures and preservation of foods. Prerequisites, Foods 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. Possibly omitted in 1921-1922.

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. Possibly omitted in 1921-1922.

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 1a. One hour recitation and four hours laboratory. First semester, three credits.

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.

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 Rhetoric 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.

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

5. **Tacitus, Agricola or Germania; Pliny, Selected Letters.** Social and political conditions under the early empire. Second semester, two hours. This course alternates with Course 8.

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

7. **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

Students specializing in Engineering and Physics should elect Mathematics through Course 10.

Students are advised to follow the order in the catalog. Course 1 does not count for a major or for group hours, but counts as a college elective only. Course 2b receives only three hours' credit for a major or a group, the other two hours being counted as a college elective. All other courses are major courses, including Engineering Courses 1, 5, 6, 7.

1. **Solid Geometry.** Prerequisite, first year High School Algebra and first year Plane Geometry. First or second semester, two hours.

2. **College Algebra.** Prerequisite, one and one-half years of High School Algebra and one year of Plane Geometry. First semester, three hours.

3b. **College Algebra.** Prerequisite, one year of High School Algebra and one year of Plane Geometry. First semester, five hours.

4. **Plane Trigonometry.** To be given with either Course 2 or Course 3b.

5. **Plane Analytic Geometry.** Prerequisite, College Algebra and Trigonometry. Second semester, five hours.

6. **Differential Calculus.** Prerequisite, Course 5. First semester, three hours.

7. **Integral Calculus.** Prerequisite, Course 6. Second semester, three hours.

8. **Advanced Calculus.** First semester, three hours.

9. **Differential Equations.** Prerequisite, Course 8. Second semester, three hours.

10. **University Algebra.** First semester, two hours.

11. **Methods.** The teaching of mathematics. Second semester, three hours.

13. Solid Analytic Geometry. First semester, two hours.
14. Theory of Equations. Second semester, three hours.
17. Descriptive Astronomy. Prerequisite, Trigonometry. First semester, two hours.
18. Descriptive Astronomy. Second semester, two hours.

For additional courses in Mathematics, see Engineering, 4, 5, 6, 7. Courses 2 to 18 inclusive can be taken in any order except that Differential Equations must follow Advanced Calculus.

MUSIC

A certain number of courses in the Department of Music will be counted toward 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. Experimental Psychology. A laboratory course covering the experiments from the standpoint of a standard laboratory manual. Open to Sophomores and Juniors. Prerequisite, Psychology 1. Second semester, two hours.
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. Omitted in 1921-1922.
5. Educational Psychology. This course is identical with Education 5. First semester, three hours.
7. History of Philosophy. The history of ancient and mediaeval philosophy to the Renaissance. For Juniors and Seniors. First semester, three hours.
8. History of Philosophy. Continuation of Course 7. The history of modern philosophy from Bacon and Descartes to the present time. Second semester, three hours.
9. Ethics. A survey of the history and problems of metaphysics, epistemology, and ethical theory; the great ethical theories; standards of ethical value. Lectures, extensive outside reading, exercises. For Juniors and Seniors; required for graduation. First of second semester, three 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 toward 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 1a, 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 1a. 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. Elementary French. Fraser and Squair's French Grammar, Part 1. Careful training in phonetics. Special attention to pronunciation and vocabulary. First semester, five hours.
2. Continuation of Course 1. Grammar continued. Reading of at least two selected classics. Emphasis placed upon conversation, dictation and memory work. Second semester, five hours.
3. Intermediate French. Carnahan's Short French Review Grammar as a basis for review and composition. Reading of selected classic

authors, dictation and memory work. Conversation emphasized. Oral and written reports of collateral readings. First semester, five hours.

4. **Intermediate French.** A continuation of Course 3. Second semester, five hours.

5. **The Novel.** A study of the French novel from the Romantic school through the nineteenth century. Representative works of the following authors are read: B. de Saint-Pierre, Chateaubriand, Hugo, Sand, the elder Dumas, Merimee, Balzac, Flaubert, de Maupassant, Daudet, France, Loti, Baxin, Bourget. Readings, reports, and lectures in French. First semester, three hours.

6. **The Drama.** A study of the French drama from Corneille to Rostand, inclusive. Representative works of the following authors are read: Corneille, Racine, Moliere, Voltaire, Lesage, Marivaux, Beaumarchais, Hugo, Scribe, Augier, the younger Dumas, Coppee, Pailleron, Bernier, Rostand. Readings, reports, and lectures in French. Second semester, three hours.

Spanish

1. **Elementary Spanish.** Grammar and reading. Special attention to training in pronunciation and to the acquisition of a vocabulary. *Fuentes and Francois'—Practical Spanish Grammar.* Marcial Dorado—*Espana Pintoresca.* First semester, five hours.

2. **Elementary Spanish.** Composition. Review of grammar. Conversational work emphasized. Reading from modern Spanish or Spanish-American authors. Second semester, five hours.

3a. **Intermediate Spanish.** Review of grammar. Composition. Conversation. Reading from modern Spanish and Spanish-American authors. Oral and written reports from collateral reading. First semester, three hours.

3b. **Intermediate Spanish.** Review of grammar. Commercial correspondence. Reading on commercial subjects. Acquisition of vocabulary emphasized. Collateral reading to give some insight into the life and history of Spain. *McHale's Commercial Spanish.* *Fuentes and Elias' Manual de Correspondencia.* First semester, two hours.

4a. **Intermediate Spanish.** Composition. Conversation. Reading from modern Spanish and Spanish-American authors. Oral and written reports from collateral reading. Second semester, three hours.

4b. **Intermediate Spanish.** Commercial correspondence. Reading on commercial subjects. Acquisition of vocabulary emphasized. Collateral reading to give some insight into the life and history of Spanish America. *McHale's Commercial Spanish.* *Fuentes and Elias' Manual de Correspondencia.* Second semester, two hours.

Additional courses in Spanish, adapted to the needs of the students will be offered, if there is sufficient demand.

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, Protectorograph and Dictaphone.

Home Economics. The Domestic Science Course (Home Eco-

nomics 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
EnglishA	EnglishB
LatinA	LatinB
Ancient HistoryA	Ancient HistoryB
AlgebraA	AlgebraB

Second Year

EnglishC	EnglishD
Latin, CaesarC	Latin, CaesarD
Geometry, PlaneC	Geometry, PlaneD
Elective Subjects:	
Medieval HistoryC	Modern HistoryD
Physiology	Physiography
Bookkeeping	Bookkeeping
Typewriting	Typewriting

Third Year

EnglishE	EnglishF
Elective Subjects:	
Latin, CiceroE	Latin, CiceroF
Geometry, SolidE	AlgebraF
BotanyA	BotanyB

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.

PhysicsA	PhysicsB
American HistoryE	American HistoryF
Latin, VirgilG	Latin, VirgilH
ZoologyA	ZoologyB
Commercial Geography	Commercial Law
BookkeepingA	BookkeepingB
Music or Drawing	Music or Drawing
Shorthand	Shorthand
Civics	Typewriting
Home Economics A	Home Economics B

With the consent of the registration committee any of the following subjects may be chosen: College Algebra; Plane Trigonometry; Chemistry 1a; Mechanical Drawing 1, 2; Rhetoric 1, 2; History 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
EnglishA	EnglishB
AlgebraA	AlgebraB
HistoryA	HistoryB
Pennmanship and Spelling	Pennmanship and Spelling

Second Year

EnglishC	EnglishD
Plane GeometryC	Plane GeometryD
Elect one from the following:	
LatinA	LatinB
Physiology	Physiography
Typewriting	Typewriting

Third Year

BookkeepingA	BookkeepingB
EnglishE	EnglishF
Elect three from the following:	
Latin, CaesarC	Latin, CaesarD
Solid GeometryE	AlgebraF
PhysicsA	PhysicsB
BotanyA	BotanyB
Medieval HistoryC	Modern HistoryD

Fourth Year

Commercial Geography	Commercial Law
Elect three from the following:	
Latin, CiceroE	Latin, CiceroF
Stenography	Stenography
American HistoryE	American HistoryF
Zoology	Zoology
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, or 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 that arise 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.

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.

Girls' Glee Club and Acappella Choir

A girls' glee club 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 wood 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 Shumann-Heink, Albert Spalding, Frieda Langendorff, Maud Powell, St. Paul Symphony Orchestra with their soloists, and the Adolph Bolm Ballet with the Little Symphony Orchestra. For the season of 1921-1922, the Conservatory management with the assistance of the Ottawa Chamber of Commerce plans a high grade artists' course for Ottawa, using such artists as Oscar Seagle and Erika Morini.

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, Miss Nelson, one 30 minute lesson a week for one semester	27.00
Violin, Miss Casey, one 30 minute lesson a week for one semester	12.50
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	18.00
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

Allen, Eugene Clyde, Coffeyville	Jones, Edward N., Iowa
Ayrault, Ralph, Ottawa	Keech, Celora, Ottawa
Bailer, Harold W., Denver, Colo.	Lake, Agnes E., Winfield
Baldridge, Nelson, Ottawa	Lo Grande, Herbert O., Fordville, Ky.
Bowerman, Ruth, Kansas City, Kan.	Moffet, Clyde, Ottawa
Brock, Wally, Ottawa	Murphy, Wallace, Concordia
Cochran, Claude, Ottawa	Oswald, Frank, Holton
Cortish, Catherine, Ottawa	Parrinell, Raymond C., Onaga
Drake, Doris, Ottawa	Potter, George, Naloma
Easier, Gladys Marie, Ottawa	Potter, Samuel Bert, Rifle, Colo.
Evans, Maiz, Ottawa	Price, Evelyn, Coffeyville
Fall, Kuranaka, Tokyo, Japan	Reist, Norman Irvin, Oberlin
Gilmore, Anne, Independence	Snavely, William E., Huron
Goodman, Paul R., St. John	Stewart, Grace May, Rantoul
Halbert, Verne, Peoria, Iowa	Stolz, Martha, Ottawa
Halbert, Walter, Peoria, Iowa	Stoen, Ruth, Raville, Lexington, Ind.
Hall, Mabel, Ottawa	Thomas, Irma, Ottawa
Hanes, Martha, Ottawa	Walton, Alta Leona, Ottawa
Holton, Ernest H., Ottawa	Williamson, Clara, Ottawa
Hogberg, Mabel, Ottawa	Winkley, Alice, Marion
Hicks, Grace, Calumet, Okla.	Worthington, Paul, Ottawa
Hicks, Ruth, Calumet, Okla.	Wyne, Roy, Norio
Johnson, Metta, Alta Vista	

Juniors

Ayrault, Ruth, Ottawa	Kibbe, Edith, Ottawa
Banta, Helen, Oberlin	Lare, Valma, Ottawa
Barnhart, Wilma, Ottawa	Larsen, Margarette, Council Grove
Bildschatz, Earl, Oberlin	Maxwell, Mildred, Ottawa
Brodick, Edna, Ottawa	Olea, Grace M., Girard
Campbell, Helen Clark, Ottawa	Perreault, Laura, Onaga
Carter, Winnie, Ottawa	Petersen, Gordon A., Lindsay
Conrad, Alberta, Boland, Ottawa	Petersen, Paul S., Ottawa
Davis, John S., Williamsburg	Putner, Isabel, Naloma
Durst, Marguerite, Ottawa	Reis, Otto M., Ottawa
Everingham, Sarah, Ottawa	Ross, Manley, Abdon
Gane, Madge, Ottawa	Sosson, Lorne, West Plains, Mo.
Hartley, Ward, Ottawa	Skidmore, Louise, Ottawa
Harris, Margaret R., Ottawa	Spradling, Zella, Independence
Hogberg, Margaret, Ottawa	Stinchart, E. Clay, Norwich
Hewitt, Elmer E., Wellsville	Top, Leonard E., Oberlin
Holbert, Helen, Peoria	Willsie, Lucile, Mount Valley
Johnson, Ruby, Ottawa	Wimmer, Guy, Holbert, Ottawa
Kemper, Hollis D., Lakin	Wise, Helen, Mount Valley

Sophomores

Amstrong, Eula, Ottawa	Foster, E. Lee, Production
Baines, Oliver, Ottawa	Foster, Dorothy Kent, Ottawa
Bishop, June, Sedan	Gentry, Mildred, Ottawa
Borgers, Rose, Mile	Gillett, Nellie, Ottawa
Boyer, Fred A., Uniontown	Hanes, Evelyn, Ottawa
Briggs, Ruth, Sedan	Harrison, Roy E., Sedan
Broad, Eunice, Plains	Hegberg, Road R., Ottawa
Clark, Nora, Kansas City, Kan.	Howard, Mary Agnes, Ottawa
Cramer, Violet, Waukegan	Hunt, Harold A., Wilmore
Dean, Bertha E., Princeton	Hunt, Gertrude, Ottawa
Dick, Gena, Ottawa	Jones, Rosa Pyrie, Chicago, Ill.
Downey, E. Clifford, Chautau	Jordan, Olin, Iowa
Easley, Winston, Ottawa	Keech, Florence, Ottawa
Elliot, Mildred, Powder, Colo.	Laird, Nell, Ottawa
Elliot, Lona, Ottawa	Lave, Howard Clayton, Ottawa
Ferrin, Eugene R., Wilmore	Lewis, Eazo, Ottawa
Flore, Claude, Centropolis	Lundberg, Mildred, Norton

Mather, Marion, Ottawa
Manspeaker, Helen, Garnett
Molchert, Marjorie, Ottawa
Mitchell, George Chas., Ottawa
Morrison, Fay U., Hamilton
Newman, Marguerite, Garnett
Paul, Joseph A., Ottawa
Pennington, Edward, Ottawa
Pfeiffer, Herbert G., Lorraine
Pfeiffer, Mildred Bertha, Lorraine

Randall, Esther Inez, Sedan
Reichartz, Fay, Ottawa
Richey, Raymond Morris, Ottawa
Schroeder, Edna, Ottawa
Shurtz, Dorothea, Kansas City, Kan.
Spriggs, Hazel Eunice, Scammon
Swenson, Alvena, Concordia
Vaughn, Christine, Mount Valley
Whitney, Helen Kathryn, Garden City
West, Virginia, Ottawa

Freshmen

Arm, Decolene Fern, Kansas City, Mo.
Bailey, Opie F., Ottawa
Benton, Walter Elmer, St. John
Bergeron, Joseph E., Ottawa
Branson, Hugh, Ottawa
Brockhaus, Susanna Marie, Ottawa
Brewster, Nathan Adair, Burden
Bready, John George, Palms
Campbell, J. Ruth, Ottawa
Campbell, Leona Bailey, Girard
Carr, Wilmet, Ottawa
Coleman, Sheldon, Wichita
Co. Rita Opal, Pleasanton
Crater, Fay M., Ottawa
Darius, Rita Lucile, Ottawa
Davis, Florence Mildred, Syracuse
Dean, Evelyn, Princeton
DeWilder, Cecil Chas., Peoria
Drum, Lina Alice, Ottawa
Dryden, Claude G., Rolla
Dugan, Millett M., Ottawa
Duncan, Robert Doris, Grady
Elder, Lily May, Ottawa
Evans, Noel E., Ottawa
Finn, Freda Viola, Humboldt
Friedman, Paul, Ottawa
Gilles, Lloyd H., Ottawa
Gilles, Genevieve, Ottawa
Gloyd, Howard K., Wellsville
Gray, Cecil Pierre, Ottawa
Hall, Bonnie Lee, Longfist
Hansen, Cyril Eugene, Ottawa
Harness, Alta Ethel, St. John
Henderson, Era Mae, Horton
Henderson, Vera Mae, Horton
Hunt, Margaretta Fells, Ottawa
Hughes, Gladys Rhoda, Lewis
Humphrey, Arthur Bryan, Oklahoma City, Okla.
Jewell, Edwin Arnold, Mt. Hope
Johnson, Lois, Ottawa
Johnson, Richard Theodore, Weston, Neb.
Keith, Gladys Estella, Ottawa
King, Gladys, Ottawa
Kiss, Frank Marjorie, Ottawa
Kobayashi, Sarah Shige, Tokyo-fuku, Japan
Kyle, Roy Earl, Covis, N. M.

Clark, Gertrude, Ottawa
Cockigen, Walter, Ottawa
Hogberg, Clarence, Ottawa
Humphrey, Myrtle, Ottawa

Special Students

McConnell, Florence, Quenemo
McDougal, Elizabeth, Kansas City, Kan.
Mitchell, Marjorie, Ottawa

ACADEMY

Fourth Year

Foast, Chester, Richmond
Gossert, Burnham, Ottawa
Hargale, Esther L., Ottawa
Hale, Jewell Corinne, Cherryvale

Rawkinson, Clarence William, Lindborg
Reidner, Alice Louise, Ottawa
Jackson, Edna, Ottawa
Kane, Hazel Pearl, Maple Hill
Kane, Julia, Ottawa
North, Irene Elizabeth, Ottawa
Paul, Francis E., Ottawa
Phillips, Arthur D., Ottawa

Riggs, Forest, Ottawa
Ritter, Verda, Howard
Robins, Adrian, Ottawa
Sark, Earl, Wolfson
Tague, Fred, Collier
Twining, Edith, Ottawa
Twining, Paul Ernest, Ottawa
Young, John C., Ottawa

Third Year

Beck, Frank F., Pawhuska, Okla.
Belle, Harry A., Ottawa
Brewster, Sara, Ottawa
Brescoe, Cecil, Ottawa

Good, Margaret Alice, Ottawa
Lewis, Melvina Jayne, Ottawa
Osso, Ruby J., Ottawa
Potter, Lois Dorothea, Riffe, Colo.

Second Year

Gillette, Raymond, Ottawa
Harrison, Paul James, Ottawa
Harrison, Sam Curt, Ottawa

Readi, Henry Edward, Ottawa
Van Osdell, Alma Doris, Ottawa
Willis, Ruby Warren, Wakenda, Mo.

First Year

Cartier, Juanita Frances, Ottawa
Carter, Vernon Isaac, Ottawa
Dyer, Kenneth Linton, Ottawa
Gallagher, Allison C., Ines
Gerhard, May, Ottawa
Wayward, Herbert, Ottawa

Phelps, Catherine, Ottawa
Reedy, William, Ponoma
Searles, Lloyd Leyman, Ottawa
Shideler, Effraim Dwight, Ottawa
Van Osdell, James Robert, Ottawa

Special

Ostrom, Esther Marie, Concordia

CONSERVATORY OF MUSIC

Piano

Alvay, Mary, Ottawa
Alex, Mrs. Bertha, Ottawa
Anderson, Fred, Ottawa
Anderson, Beatrice, Ottawa
Bailey, Gertrude, Ottawa
Bald, Nora, Ottawa
Bement, Grace, Ottawa
Barnes, Virginia, Ottawa
Brewster, Marie, Ottawa
Bready, Emma, Kato
Brodick, Waldo, Ottawa
Bryan, Martha, Ottawa
Bunn, Jacquelyn, Ottawa
Cain, William, Ottawa
Conard, Frances, Ottawa
Coffman, Ruth, Ottawa
Cope, Leola, Ottawa
Cox, Opal, Pleasanton
Crawford, Bernice, Ottawa
Cram, Dorothy, Ottawa
Cragg, Nadine, Ottawa
Darns, Lucile, Ottawa
Davis, Amber, Princeton
Dennis, Miss Jessie, Ottawa
Detar, Catherine, Ottawa
DeWilde, Margaret, Ottawa
Dorchester, Viola, Ottawa
Duck, Clara, Ottawa
Donahy, Marie, Ottawa
Drake, Doris, Ottawa
Dreile, Violet, Ottawa
Duffy, Emma, Wellsville
Early, Earl, Ottawa
Easter, Gladys, Ottawa

Edwards, Mrs. Edith, Ottawa
Ehrhardt, Mildred, Ottawa
Ellis, Mildred, Fowler, Colo.
Everhart, Everett, Ottawa
Fay, Raymond, Ottawa
Gallagher, Allison, Ines
Gard, Anita, Ottawa
Goldman, Paul R., St. John
Gosselt, Byron, Ottawa
Hale, Vernon, Cherryvale
Harris, William, Ottawa
Harness, Alta, St. John
Harris, Arline, Ottawa
Hartshorn, Helen, Ottawa
Hegberg, Florence, Ottawa
Heier, Amelia, Ottawa
Hercin, Lucile, Ottawa
Hill, Josephine, Ottawa
Hoodler, Louise, Ottawa
Hudson, Mary, Ottawa
Hulbert, Helen, Pratt
Hib, Naomi, Ottawa
Jackson, Ella, Ottawa
Jackson, Yeda, Ottawa
Jager, Leona, Ottawa
Johnson, Dora, Richmond
Kenne, Ruth, Ottawa
King, Gladys, Ottawa
Kobayashi, Sarah, Ottawa
Koch, Thelma, Ottawa
Lamb, Mary, Ottawa
Lawrence, Catherine, Ottawa
Lister, Evelyn, Ottawa
McConnell, Florence, Quenemo
McDunn, Jesse, Ottawa
McDougal, Bessie, Kansas City, Kan.
Mendenhall, Frank, Ottawa

THE ANNUAL CATALOG

Mansfield, Franky, Ottawa
 Marcell, Helen, Ottawa
 Martin, Mrs. Clara, Ottawa
 Martin, Mrs. Fred, Ottawa
 Mathias, Dama, Ottawa
 Mathias, Pearl, Ottawa
 Maxwell, Mary, Ottawa
 Maxwell, Florence, Ottawa
 Matile, Ellen, Ottawa
 Melchert, Margerie, Ottawa
 Mitchell, Gladys, Ottawa
 Mitchell, Marjorie, Ottawa
 Murphy, Wallace, Concordia
 Nesbitt, Mrs. Ethel, Westphalia
 Nichols, Frank, Ottawa
 Oddy, Gertrude, Neill, Ottawa
 Olson, Elsie, Ottawa
 Ostrom, Esther, Concordia
 Payne, Andy, Ottawa
 Penny, Jane, Ottawa
 Peterson, Pearl, Ottawa
 Pettit, Tuba, Billings, Mont.
 Pierce, Dorothy May, Ottawa
 Potter, Lois, Rifle, Colo.
 Prior, Evalina, Coffeyville
 Radford, Dorothy, Ottawa
 Rodgers, Mildred, Ottawa
 Role, Thekla, Ottawa
 Rowen, Clarence, Princeton
 Schneider, Edna, Ottawa

Scott, Mrs. Ruby, Michigan Valley
 Seary, Lucile, Ottawa
 Seibert, Marie, Ottawa
 Sidmore, Zana, Ottawa
 Smith, Edna, Ottawa
 Smith, Leona, Ottawa
 Sparks, Margaret, Ottawa
 Skirman, Faith, Ottawa
 Stark, Earl, Ottawa
 Stearns, Ruth, Ottawa
 Steinhilber, Helen, Ottawa
 Sullivan, Mildred, Ottawa
 Stoffer, Kathleen, Ottawa
 Swenson, Rena, Ottawa
 Swenson, Alvina, Concordia
 Swiner, Faye, Ottawa
 Thomas, Margaret, Ottawa
 Thomas, Irma, Ottawa
 Thorne, Mina, Ottawa
 Tucker, Frances, Wellsville
 Tullos, Helen, Kantoul
 Tullos, Kathryn, Ransoul
 Vandling, Dorothy, Ottawa
 Van Voort, Ita, Carlton
 Vickers, Wayne, Ottawa
 Ward, Arlene, Ottawa
 Ward, Fennell, Ottawa
 Weaver, Faye, Ottawa
 Whitney, Helen, Garden City
 Wilson, Vera Mae, Ottawa

Voice

Anderson, Fred, Ottawa
 Andrew, Mildred, Ottawa
 Arpe, Dorothy, Kansas City, Kan.
 Ayrault, Ruth, Ottawa
 Bailey, Mrs. Bertrand, Ottawa
 Bailey, Lowell, Ottawa
 Baldwin, Robert, Ottawa
 Barnhart, Lottie, Ottawa
 Brewster, Alfred, Ottawa
 Brodzick, Waldo, Ottawa
 Carter, Winnie, Ottawa
 Casey, Winifred, Pomona
 Cox, Opal, Pleasanton
 Denton, Patti M., Colony
 Easley, Winston, Ottawa
 Filat, Freda, Humboldt
 Foster, Dorothy, Ottawa
 Gingerich, Mildred, Wellsville
 Goss, Margaret, Ottawa
 Halbert, Walter, Peila, Iowa
 Hale, Virion, Cherryvale
 Hanna, Ruth, Ottawa
 Harness, Alta Ethel, St. John
 Harrison, Paul, Ottawa
 Henderson, Era Mae, Horton
 Hostetter, Josephine, Wellsville

Violin

Anderson, Olga, Ottawa
 Bales, Lina, Ottawa
 Bates, Hazel Louise, Ottawa
 Boyington, Alfred, Ottawa
 Brummett, Alta, Ottawa
 Brown, Knuch, Ottawa
 Bryant, Juanita, Ottawa
 Burrows, Lela, Ottawa
 Cairns, William, Ottawa
 Capps, Ruth, Ottawa
 Casey, Winifred, Ottawa
 Cline, Maile, Ottawa
 Cole, Hazel, Ottawa
 Cristler, Charles, Edgerton
 Dye, Oswald, Ottawa
 Elliott, Lona, Ottawa

Foxnight, Rex, Ottawa
 Fowler, Lawrence, Ottawa
 Goodrich, Frances, Ottawa
 Hansen, Thomas, Oronotonde
 Heckroth, Clarence, Ottawa
 Henderson, Vera, Horton
 Jasper, Irma, Ottawa
 Kerr, Paul, Ottawa
 Kyle, Roy, Clovis, N. M.
 Lawrence, Grace, Ottawa
 Leeb, Pauline, Ottawa
 Marchand, George, Ottawa
 Owen, Theodore, Rogers, Colo.
 Pfing, Frank, Wellsville
 Powers, Carl, Ottawa
 Ringberg, Florence, Ottawa

Rowen, Clarence, Princeton
 Seibert, Elizabeth, Ottawa
 Smith, Elizabeth, Ottawa
 Sparks, Naomi, Ottawa
 Stenner, Arch, Ottawa

Weber, Alden, Ottawa
 Weinheimer, Grace, Ottawa
 Wheeler, Linnia Lou, Ottawa
 Winsley, Alice, Marion

Pipe-Organ

Arpe, Dorothy, Kansas City, Mo.
 Goodman, Paul R., St. John
 Mansfield, Frank, Ottawa

Role, Orlo M., Ottawa
 Schneider, Edna, Ottawa

Harmony and Other Musical Courses

Arpe, Dorothy, Kansas City, Mo.
 Bignon, Eugene, Mo.
 Brody, Eunice, Plains
 Crawford, Agnes, Ottawa
 Denton, Patti M., Colony
 Elliott, Lona, Ottawa
 Goodman, Paul R., St. John
 Hale, Virion, Cherryvale
 Harness, Alta, St. John
 Hubert, Helen, Pratt
 Ling, Mary, Ottawa
 McConnell, Florence, Quenemo
 Marcell, Helen, Ottawa

Miller, Edna, Ottawa
 Nesbitt, Mrs. Ethel, Westphalia
 Phelps, Lona, Ottawa
 Phelps, Paul, Ottawa
 Reinhardt, Faye, Silver Lake
 Role, Orlo M., Ottawa
 Schneider, Edna, Ottawa
 Scott, Mrs. Ruby, Michigan Valley
 Skidmore, Lurline, Ottawa
 Swenson, Alvina, Concordia
 Tucker, Frances, Wellsville
 Van Voort, Ita, Carlton
 Whitney, Helen, Garden City

SUMMARY OF STUDENTS

COLLEGE

Seniors	45
Juniors	38
Sophomores	54
Freshmen	93
Special	7

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ACADEMY

Fourth Year	24
Third Year	8
Second Year	6
First Year	11
Special	1

50

CONSERVATORY OF MUSIC

Piano	134
Voice	52
Violin	41
Pipe-Organ	5
Harmony and other courses	26
Grand Total	245
Repeated Names	109
Net Total	436

DEGREES, DIPLOMAS, PRIZES AWARDED
IN JUNE, 1920

DEGREES IN COURSE

Bachelor of Arts

Maria Dennis Barnes	Obad Jonathan Jordan
*Ralph Mervock Howe	Bernice Irene Livingsood
Berndy Grace Carr	Robert H. Lyon
Alma Casement	Captain William McKee
H. Kenneth Cassidy	Marie Elizabeth Mickey
Margaret Elmer Clark	Enola Miller
Jessie Donham	Laura Elizabeth Rogers
Nelle Frances Fosse	Pauline Frances Ritzar
Ruth Sarah Gentry	Mary J. Skidmore
Glenn Donald Gibson	Berndy Constance Stratton
Leola Hudson	Ora I. Van Aukon
*Carrie Jewell	Albert A. Van Sickle
Edna Williams	

Bachelor of Science

Walter Clyde Anthony	Ellert G. Holten
Frances M. Ralyst	Christopher M. Ott
John Battin	Helen Park
Lillie Ruth Caldwell	John H. Powell
Bernice Marie Crawford	Roberta J. Spradling
*Bernice Evangeline Fiedler	

Bachelor of Music

Laura Elizabeth Kayne

DIPLOMAS IN THE ACADEMY

College Preparatory Course

Oyle F. Bailor	Pearl Mathias
*Ruth Frances Bell	Edwina Miller
Joseph E. Bergerbaum	Tulsa Pettit
Evelyn Dean	Mildred P. Swenson
Wilma Geraldyn Fancher	Leone B. Weber
Alice Genevieve Gillette	Mary Lucile Ross
Ernest Marion Lyons	Bertrice Irene Pettit

Commercial Course

Atha Irene Gates	Elmer Fern McDaniel
Wallace A. Laird	John F. Staudt

*Candidates whose work is incomplete.

Prizes Awarded June, 1920

Debate Prize, First—Mary Skidmore
 Debate Prize, Second—Walter Halbert and Claude Towne
 Sophomore Essay Prize, First—Marguerite Ward
 Sophomore Essay Prize, Second—Winnie H. Carter
 Freshman Declamation Prize, First—Henrietta Price
 Freshman Declamation Prize, Second—Faye Reichert
 Academy English Prize (divided)—Evelyn Dean and Pearl Mathias

Scholarships Awarded for 1920-1921

Pileon-Shoemaker Scholarship—Roy Wynne and Herbert Le Grande
 Academy Scholarship—Evelyn Dean and Pearl Mathias
 University of Kansas Scholarship for 1921-22—Claude Cochran

CLASS HONORS

1919-1920

SENIORS

First Honors

Marie Elizabeth Micky
Laura Elizabeth Raves
Mary J. Skidmore

Second Honors

Frances M. Balpeal
Lillie Ruth Caldwell
Jeanne Damant
Ruth Sarah Gentry
Bernice Irene Livingston
Robert J. Spaulding
Edna Williams

JUNIORS

Ruth Schard Bowerman
William Henry Snavely

Maza Rosa Evans
Edna Bailey Winner

SOPHOMORES

Jessie Ruth Ayrault
Helen Theresa Bulburt
Marguerite Anna Lussing
Zella Spaulding

FRESHMEN

Morrell Ballin
Dorothy Kent Foster
Mildred Alice Gentry
Maude Ames McFadin
Berrietta Louise Price
Morris Eastland Ritchie

THE ALUMNI ASSOCIATION

Officers for 1920-1921

President Roy Taylor, Ingalls, 1916
Vice President Elbert Helken, Ottawa, 1920
Secretary Margaret Clark, Ottawa, 1920
Treasurer Mary H. Pugh, Blue Rapids, 1916

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.
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.....\$2,022.36 toward the Gymnasium
Class of 1914.....\$1,600.00 toward the Gymnasium
Class of 1915.....\$1,250.00 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
Class of 1919.....A fund of \$1,000.00 for Chimes
Class of 1920.....A Grand Piano for the Chapel

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