THE UNIVERSITY CALENDAR

1921

February 1, Tuesday—The Second Semester Begins.

April 21, Thursday—Charter Day.

June 5, 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, 4:30 p. m.—Holiday Recess begins.

1922

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

January 21, 26, Tuesday-Thursday—Mid-year Examinations.

January 31, Tuesday—Second Semester begins.
THE ANNUAL CATALOG

BOARD OF TRUSTEES

Term Expires June, 1921
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Term Expires June, 1922
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Term Expires June, 1923
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Term Expires June, 1924
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Chairman of Committee for Finding Homes for Girls: MRS. ROBERT TAFT, 520 South Cedar St.

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FLOYD N. HOUSE, A. M., Professor of Economics and Sociology.
ALFRED B. COPE, A. M., Professor of Education.
LLOYD C. BAGBY, A. B., Professor of Mathematics.
IRVIN W. COX, A. B., Professor of Physics.
*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 K. BRANAN, B. S., Physical Director of Men.
TRUTH TULLOHS, 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.
MRS. PAUL R. TUTT, Teacher of Piano and Organ.
LUCY F. FORBES, M. S., Teacher of Piano.
MARY NELSON, Teacher of Violin.
WINIFRED L. CASEY, Assistant Teacher of Violin.
ERMA 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, Cape, Miss Brown; Athletics, Professors Wilson, Taft, Braman; Captains of the Teams; Chapel and Other Services, Professors Ritchie, McConkey, Presidents of the Christian Associations; Library, Professors Higgins, Riesel, 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, Tullohs; Student-Teacher 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 Tecumseh Jones, an Indian graduate of Madison (now Colgate) University, and his wife, Jane Kelley Jones, a native of Maine. At that time the Ottawas were occupying a reservation about twelve miles square in Franklin County. They had organized the First Baptist Church of Ottawa, Kansas. As early as 1850 it had about one hundred members.

While this missionary and educational work was being carried on among the Indians, the white Baptists of Kansas, true to the traditions of the denomination, which has always been the champion of higher education, had chartered the "Roger Williams University" and were discussing a location for it. The question of location came up at a meeting of the Baptist State Convention in Atchison in 1860. Rev. J. T. Jones was present as a delegate from the First Baptist Church (Indian) of Ottawa. He suggested that the white Baptists join with the Ottawa Indians in establishing a school on the reservation. The Indians had land that might serve as a basis for an endowment 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 on 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 Tullus, Probate Judge of Franklin county, to I. S. Kallock, C. C. Hutchinson, John P. Pratt, J. T. Jones, James King, William Huer 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 1875 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 of religion. 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 1896 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 1926 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, 1926. The total assets of the University in 1926 were about $500,000. It is expected that the present campaign of the Northern Baptist Convention will bring the assets by 1925 to $1,500,000.

The original college building was built of stone in 1889 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 1899 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 1863 to replace a new and smaller building that was burned on September 10, 1862.

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 1929.

The following men have been at the head of the institution: Rev. E. C. Anderson, Principal, 1874-1876; Prof. P. J. Williams, President, 1877-1881; Prof. T. M. Stewart, Acting President, 1881-1883; Rev. M. L. Ward, President, 1883-1885; Rev. George Sutherland, Acting President, 1885-1889; Rev. Franklin Johnson, President, 1889-1892; Rev. F. W. Colegrove, President, 1892-1896; Rev. J. D. Riggs, President, 1896-1905; Prof. R. A. Schwegler, Acting President, 1905-1906; Rev. S. E. Price, President, 1906-1907.

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 72 by 152 feet in outside dimensions, with a width of 25 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 1871 at a cost of about $24,000. The building is three stories high, 106 feet long and 70 feet wide. On the first floor are the physical directors' rooms, the lockers, dressing rooms, shower baths, and a modern swimming pool, 20 feet wide and 55 feet long. On the second floor are three rooms: a reception room, a kitchen, and a basketball floor, 66 by 38 feet in size. The third floor contains a handball court and a gallery with running track.

Ward Science Hall, erected in 1929, 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, autolaves, 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 a 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, 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, spectroscope, polariscopic, 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 carry on 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 (Societe Genevoise), two spectrometers, five D'Arsonval galvanometers, ten resistance boxes, one Wheatstone's P. O. Bridge, five slide wire bridges, one measuring microscope, two motor-generator sets, one four horse power gas engine, one 1-kw. rotary converter, one three-fourths horse power direct current motor, five transformers, one wireless outfit, two hand power generators; one water motor, two Geyk air pumps, one Schmidt and Haenel 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 vacuum, and a spinthariscope 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 Winsor 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 15,000 specimens of insects representing more than 2100 species. In some ways it is the most valuable collection of insects in the Middle West. Some of 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. E. F. Crevecoeur of Oagia, 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 ........................................ $25.00
Incidentals, each Semester .................................. 8.00
Library Fee, each Semester .................................. 4.00
Student Enterprise Fee, each Semester ................... 3.00

Board and Room—A large majority of the students secure rooms and board with families near the campus. A list of approved rooms is kept in the University office. Several boarding clubs are formed each year. Young ladies who desire to engage room and board in Charlton Cottage should correspond with the Matron, Miss Margaret Stickler, before the opening of the semester. The cost of room and board at the Cottage this year has been $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 an exemption 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 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 ............... 6.00
Chemistry, 1a, 1b, each ................................. 2.50
Chemistry, 2, per hour ................................. 2.50
Chemistry, 4, per hour ................................. 2.00
Chemistry, 5 ................................................. 5.00
Chemistry, 6 ................................................. 4.00
Home Economics, A, Academy Course .......... 1.00
Home Economics, B, Academy Course .......... 1.00
Home Economics, 1 ....................................... 5.00
Home Economics, 2 ....................................... 5.00
Home Economics, 3 ....................................... 1.00

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 $2.50 per semester hour in the College and $2.50 per semester hour in the Academy; however, no charge of less than $7.50 will be made. Students taking more than one subject shall pay $2.50 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 Thedore F. and Cynthia E. Bradbury
The Simeon Cole
The Harry W. and Jennie M. Grass
The James P. and Sally D. Hall
The Lucia and William F. Holroyd
The C. L. and C. G. Kinney
The Pearl E. Kellogg
The Abraham C. and Eliza F. 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, $5,287.45
The H. O. Slocomb Fund, $1,000.00
The Mrs. Blanchard Fund, $947.50
The Fern Willis Memorial Fund, $1,000.00
The Pilsen 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 Sarchy 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 such accredited High School and Academy in the State, to be given to the member of the graduating class of the 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 $1,000.00
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 Dorseys 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 1889, the first of $15.00, the second of $10.00, given by S. R. Hageman, are awarded to the two members of the graduating class who rank first and second in scholarship and student activities.

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

The Foot Ball 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.

The Declaration Cup. Awarded to the Academy class in which one person 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 Academic scholarship.

Lowell 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-
ter A, B, C, D, E, F, and 1. 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 14 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 Philo-Society and the 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 its 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. Musicals 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 3 units; German, 1 to 4 units; French, 1 to 5 units; Spanish, 1 to 3 units.

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

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

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

Group VI. Miscellaneous: Minimum, none; maximum, 4 units. Wood-working, Domestic Art, Domestic Science, Home Art and Science, Bible, Music, each 1 or ½ unit; Commercial Law, Commercial Geography, Psychology, Methods and Management, History of Commerce, each ½ unit; Bookkeeping and Stenography, each 1 or 2 units; Typewriting and Drawing, each ½ 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.
5. Chemistry and Geology.
7. History and Political Science.
9. Philosophy, Psychology and Education.

**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 1926 and 1927. 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 (exclusive of Psychology), Chemistry, Physics and Education shall each be considered a distinct group. Students who complete 12 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 Evidence 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
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

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhetoric 1</td>
<td>3 hours</td>
</tr>
<tr>
<td>History 1</td>
<td>2 hours</td>
</tr>
<tr>
<td>General Biology</td>
<td>3 hours</td>
</tr>
<tr>
<td>Trigonometry</td>
<td>2 hours</td>
</tr>
<tr>
<td>College Algebra</td>
<td>3 hours</td>
</tr>
<tr>
<td>Psychology, General</td>
<td>3 hours</td>
</tr>
<tr>
<td>Chemistry 1b</td>
<td>5 hours</td>
</tr>
<tr>
<td>Zoology, Invertebrate</td>
<td>3 hours</td>
</tr>
<tr>
<td>Modern Language</td>
<td>5 hours</td>
</tr>
</tbody>
</table>

SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhetoric 2</td>
<td>2 hours</td>
</tr>
<tr>
<td>History 2</td>
<td>3 hours</td>
</tr>
<tr>
<td>Chemistry 1a</td>
<td>6 hours</td>
</tr>
<tr>
<td>Surveying</td>
<td>2 hours</td>
</tr>
<tr>
<td>Roman Civilization</td>
<td>2 hours</td>
</tr>
<tr>
<td>Elective</td>
<td>2 hours</td>
</tr>
</tbody>
</table>

JUNIOR YEAR

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

Advanced courses in

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics</td>
<td>2 to 4</td>
</tr>
<tr>
<td>American Government</td>
<td>2 hours</td>
</tr>
<tr>
<td>History</td>
<td>3 hours</td>
</tr>
<tr>
<td>Electives</td>
<td>6 to 8</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Courses in Economics</td>
<td>3 to 5</td>
</tr>
<tr>
<td>Sociology</td>
<td>2 to 4 hours</td>
</tr>
<tr>
<td>Ethics</td>
<td>2 hours</td>
</tr>
<tr>
<td>Electives</td>
<td>4 to 6 hours</td>
</tr>
</tbody>
</table>

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 Physical 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 leading to Business or Law

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhetoric</td>
<td>3 hours</td>
</tr>
<tr>
<td>History 1</td>
<td>2 hours</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>Greek Civilization</td>
<td>2 hours</td>
</tr>
<tr>
<td>General Biology</td>
<td>5 hours</td>
</tr>
<tr>
<td>College Algebra</td>
<td>5 hours</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>Modern Language</td>
<td>5 hours</td>
</tr>
</tbody>
</table>

Course for Chemists

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhetoric 1</td>
<td>2 hours</td>
</tr>
<tr>
<td>College Algebra</td>
<td>2 hours</td>
</tr>
<tr>
<td>Trigonometry</td>
<td>2 hours</td>
</tr>
<tr>
<td>Modern European</td>
<td>5 hours</td>
</tr>
<tr>
<td>History</td>
<td>5 hours</td>
</tr>
<tr>
<td>General Biology</td>
<td>5 hours</td>
</tr>
</tbody>
</table>
# THE ANNUAL CATALOG

## SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Differential Calculus</td>
<td>3</td>
<td>Integral Calculus</td>
<td>3</td>
</tr>
<tr>
<td>Physics 1</td>
<td>5</td>
<td>Physics 2</td>
<td>5</td>
</tr>
<tr>
<td>Chemistry 1b</td>
<td>5</td>
<td>Organic Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

### JUNIOR YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organic Chemistry</td>
<td>5</td>
<td>Quantitative Analysis</td>
<td>5</td>
</tr>
<tr>
<td>Quantitative Analysis</td>
<td>3</td>
<td>French</td>
<td>5</td>
</tr>
<tr>
<td>French</td>
<td>5</td>
<td>Elective</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td></td>
<td></td>
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</tbody>
</table>

### SENIOR YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Chemistry</td>
<td>4</td>
<td>Physical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Elective</td>
<td>11</td>
<td>Elective</td>
<td>11</td>
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</table>

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**Course in Home Economics**

### FRESHMAN YEAR

#### First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhetoric 1</td>
<td>3</td>
<td>Rhetoric 2</td>
<td>2</td>
</tr>
<tr>
<td>Biology, General</td>
<td>5</td>
<td>Chemistry 1a</td>
<td>5</td>
</tr>
<tr>
<td>Home Cooking or Elective</td>
<td>3</td>
<td>Sanitation</td>
<td>2</td>
</tr>
<tr>
<td>Clothing</td>
<td>4</td>
<td>Elective</td>
<td>5</td>
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</table>

#### Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1b</td>
<td>5</td>
<td>Organic Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>Zoology</td>
<td>3</td>
<td>Physiology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology</td>
<td>3</td>
<td>Entomology</td>
<td>3</td>
</tr>
<tr>
<td>Foods 1</td>
<td>3</td>
<td>Elementary Dietetics</td>
<td>4</td>
</tr>
<tr>
<td>Social Problems</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physiological Chemistry</td>
<td>4</td>
<td>Foods 2</td>
<td>5</td>
</tr>
<tr>
<td>Bacteriology</td>
<td>3</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Economics</td>
<td>3</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>8</td>
<td>Elective</td>
<td>7</td>
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### JUNIOR YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethics</td>
<td>3</td>
<td>Christian Evidences</td>
<td>2</td>
</tr>
<tr>
<td>Textiles</td>
<td>3</td>
<td>Household Management</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>10</td>
<td>Elective</td>
<td>10</td>
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</table>

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**Course Leading to Journalism**

### FRESHMAN YEAR

#### First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhetoric 1</td>
<td>3</td>
<td>Rhetoric 2</td>
<td>2</td>
</tr>
<tr>
<td>History 1</td>
<td>2</td>
<td>History 2</td>
<td>3</td>
</tr>
<tr>
<td>or Greek Civilization</td>
<td>2</td>
<td>Roman Civilization</td>
<td>2</td>
</tr>
<tr>
<td>or General Biology</td>
<td>5</td>
<td>Chemistry 1</td>
<td>6</td>
</tr>
<tr>
<td>French or Spanish</td>
<td>5</td>
<td>French or Spanish</td>
<td>5</td>
</tr>
</tbody>
</table>

### Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhetoric 2</td>
<td>2</td>
<td>History 2</td>
<td>3</td>
</tr>
</tbody>
</table>

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**SOPHOMORE YEAR**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology 1</td>
<td>3</td>
<td>Social Psychology</td>
<td>5</td>
</tr>
<tr>
<td>History of Eng. Lit.</td>
<td>3</td>
<td>History of Am. Lit.</td>
<td>5</td>
</tr>
<tr>
<td>Advanced Composition</td>
<td>2</td>
<td>Advanced Composition</td>
<td>3</td>
</tr>
<tr>
<td>Social Problems</td>
<td>3</td>
<td>Rural or City Problems</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
<td>5</td>
<td>Elective</td>
<td>5</td>
</tr>
</tbody>
</table>

### JUNIOR YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Political Science</td>
<td>2</td>
<td>Journalism</td>
<td>2</td>
</tr>
<tr>
<td>Journalism</td>
<td>2</td>
<td>Shakespeare's Tragedies</td>
<td>3</td>
</tr>
<tr>
<td>Shakespeare's Comedies</td>
<td>3</td>
<td>Elective</td>
<td>10</td>
</tr>
</tbody>
</table>

### SENIOR YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethics</td>
<td>3</td>
<td>Christian Evidences</td>
<td>2</td>
</tr>
<tr>
<td>Life of Christ</td>
<td>3</td>
<td>Apostolic Age</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>9</td>
<td>Elective</td>
<td>10</td>
</tr>
</tbody>
</table>

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### Pre-Engineering Course

#### FRESHMAN YEAR

#### First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>College Algebra</td>
<td>3</td>
<td>Analytic Geometry</td>
<td>5</td>
</tr>
<tr>
<td>Trigonometry</td>
<td>2</td>
<td>Descriptive Geometry</td>
<td>2</td>
</tr>
<tr>
<td>Mechanical Drawing</td>
<td>2</td>
<td>Chemistry 1a</td>
<td>6</td>
</tr>
<tr>
<td>Rhetoric 2</td>
<td>3</td>
<td>Rhetoric 2</td>
<td>2</td>
</tr>
<tr>
<td>General Biology</td>
<td>5</td>
<td>Mechanical Drawing</td>
<td>2</td>
</tr>
</tbody>
</table>

#### Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Course</th>
<th>Hours</th>
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<tr>
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<td>Integral Calculus</td>
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<tr>
<td>Physics 1</td>
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<td>Physics 2</td>
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<td>Quantitative Analysis</td>
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### SOPHOMORE YEAR

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<td>Modern Language</td>
<td>5</td>
</tr>
<tr>
<td>Circuits</td>
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<td>Machine Drawing</td>
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<td>Mechanics</td>
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### JUNIOR YEAR

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<td>Alternating Currents</td>
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<td>Ethics</td>
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<td>Christian Evidences</td>
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<td>Elective</td>
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### Pre-Medical Course

#### FRESHMAN YEAR

#### First Semester

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<td>Rhetoric 2</td>
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<td>Trigonometry</td>
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<td>Chemistry 1a</td>
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<td>General Biology</td>
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### SOPHOMORE YEAR

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<td>Physics 2</td>
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<tr>
<td>Inorganic Chemistry</td>
<td>5</td>
<td>Factoriology</td>
<td>3</td>
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<tr>
<td>Modern European Hist. Zoology</td>
<td>3</td>
<td>Organic Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>Modern European Hist. 3 hours</td>
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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 Economics and Sociology; it is advisable in either case to consult the heads of both departments.

FRESHMAN YEAR

First Semester  
Rhetoric 1  3 hours  
General Biology  5 hours  
Foreign Language  5 hours  
Electives 2 or 3 hours

Second Semester  
Rhetoric 2  2 hours  
Chemistry Ia  6 hours  
Child Psychology  3 hours  
Social Psychology  3 hours  
City Problems  3 hours  
Old Testament History  2 hours  
Electives 2 or 3 hours

SOPHOMORE YEAR

History of English Literature  3 hours  
General Psychology  3 hours  
Social Problems  3 hours  
Old Testament History  2 hours  
Elective  4 hours

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

JUNIOR YEAR

Principles of Economics  5 hours  
Life of Christ  3 hours  
American Government  3 hours  
History of the Bible  2 hours  
Electives 2 or 3 hours

Principles of Sociology  5 hours  
Apostolic Age  3 hours  
State Governments  2 hours  
Religious Education  2 hours  
Electives 2 or 4 hours

SENIOR YEAR

Ethics  3 hours  
History of Religion  2 hours  
Courses in Sociology 2 to 4 hours  
Elective 7 to 9 hours

Christian Evidences  2 hours  
Psychology of Religion  2 hours  
Courses in Sociology 2 to 4 hours  
Electives 8 to 16 hours

Course leading to Sanitary Engineering

FRESHMAN YEAR  
First Semester  
Rhetoric 1  3 hours  
College Algebra  3 hours  
Trigonometry  2 hours  
General Biology  5 hours  
History 1  2 hours

Second Semester  
Rhetoric 2  2 hours  
Analytic Geometry  5 hours  
Chemistry Ia  6 hours  
History 2  5 hours  
SOPHOMORE YEAR

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

JUNIOR YEAR

Psychology  3 hours  
Botany I  2 hours  
Bacteriology  2 hours  
Histology  8 hours  
Elective  6 hours

SENIOR YEAR

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

For a 60-Hour Certificate

FRESHMAN YEAR  
First Semester  
English  3 hours  
General Biology  5 hours  
European History  2 hours  
Electives  5 hours

Second Semester  
English  3 hours  
Physiology  3 hours  
European History  2 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

For a 120-Hour Certificate

FRESHMAN YEAR  
First Semester  
General Psychology  3 hours  
History of English Lit.  2 hours  
Major and Electives  10 hours

Second Semester  
Principles of Education  3 hours  
History of American Literature  3 hours  
Major and Electives  10 hours

SOPHOMORE YEAR

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

JUNIOR YEAR

Major and Electives  12 hours

SENIOR YEAR

School Administration  3 hours  
Special Methods  3 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, 4. Old Testament History. The beginnings of early Old Testament times. The founders, rulers and crises of Israel. First and second semesters, two hours.

6. The Apostolic Age. Second semester, three hours.

7. The History of the Bible. The sources of the Old Testament; how the New Testament came to be written; the compiling of the Bible; its translations and versions. First semester, two hours.


9. 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.

10. The History of Religion. Primitive religion developing into the great religions of the world and culminating in Christianity. First semester, two hours.

11. The Wisdom Literature of the Bible. The books of Job, the Proverbs and the Psalms. Second semester, two hours.

BIOLICAL SCIENCES

9. 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 work 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.


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, 3, 4, 5, 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
or equivalent. Second semester, two hours. Omitted in 1921-1922.

3. **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 relationships; 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.


13. **Principles of Accounting. a.** This course is open to students who have not had Bookkeeping. This course will take up all the material and classify transactions of retail and wholesale business according to the fundamental principles of double entry bookkeeping. Supplementary exercises will acquaint the student 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, two 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, an easier the details 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 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 Real Property, Insurance 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 princi
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, discussions. Prerequisite, Sociology 1 or Sophomore standing. 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 methods, 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-
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.


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

For Electrical courses see Physics 2, 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.


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. An introductory course with practice in the ordinary types of news writing. Open to students who have had English 1. First 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. Prerequisites, 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.


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.


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 twelve-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. Prerequisites. Courses 1 and 2, or equivalent.

GEOLGY

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

2. Geology. A continuation of Course 1. Second semester, three hours.

GERMAN

1. 2. Elementary German. The elements of German grammar, chiefly with regard to the acquisition of a reading knowledge of the language. Readings of graded difficulty. First and second semesters, five hours.


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 used 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.


3. Plato, Apology and Crito. As much Greek as time allows. The remainder of these works is carefully read in translation. This course is an introduction to the work of Socrates and to Greek philosophy. First semester, two hours.

5. Greek New Testament. A study of the language and ideas of early Christianity. This course alternates with Course 5. 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.


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.


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 1783 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, five 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.


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. Origins, evolution, and nature of the state; forms, organization, and functions of governments. Not open to Freshmen. First semester, two hours.


29. 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.


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 1, 2, 3, 4, 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. First semester, two hours.

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

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.


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 3.

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 2a 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.

3a. 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 7. First semester, three hours.

8. Advanced Calculus. First semester, three hours.


10. University Algebra. First semester, two 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 college 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. Educational Psychology. This course is identical with Education 3. First semester, three hours.
5. History of Philosophy. The history of ancient and medieval philosophy to the Renaissance. For Juniors and Seniors. First semester, three hours.
6. History of Philosophy. Continuation of Course 7. The history of modern philosophy from Bacon and Descartes to the present time. Second semester, three hours.
7. Ethics. A survey of the history and problems of metaphysics, epistemology, and ethical theory: the great ethical theories; standards of ethical values. Lectures, extensive outside reading, exercises. For Juniors and Seniors; required for graduation. First or 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:

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 3.

PHYSICS

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

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.


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: Balzac, Flaubert, de Maupassant, Daudet, France, Lott, Basis, 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, Molière, Voltaire, Lessage, Marivaux, Beaumarchais, Hugo, Scribe, Auber, the younger Dumas, Coppée, Paulsen, Epron, 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 Francisco—Practical Spanish Grammar, Marcial Durado—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.


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

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**Admissions 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 the beginning of the academic year, because our 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 needs of the pupil and his expectations. 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 continues 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, Protectograph and Dictaphone.

**Home Economics.** The Domestic Science Course (Home Eco-
COMMERICAL COURSE

First Year

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td>English</td>
<td>A</td>
</tr>
<tr>
<td>Latin</td>
<td>A</td>
</tr>
<tr>
<td>Ancient History</td>
<td>A</td>
</tr>
<tr>
<td>Algebra</td>
<td>A</td>
</tr>
<tr>
<td>Second Year</td>
<td>C</td>
</tr>
<tr>
<td>English</td>
<td>C</td>
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<tr>
<td>Latin, Caesar</td>
<td>C</td>
</tr>
<tr>
<td>Geometry, Plane</td>
<td>C</td>
</tr>
<tr>
<td>Medieval History</td>
<td>C</td>
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<tr>
<td>Physiology</td>
<td>C</td>
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<tr>
<td>Bookkeeping</td>
<td>A</td>
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<tr>
<td>Typewriting</td>
<td>A</td>
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<tr>
<td>Third Year</td>
<td>E</td>
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<tr>
<td>English</td>
<td>E</td>
</tr>
<tr>
<td>Latin, Cicero</td>
<td>E</td>
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<tr>
<td>Geometry, Solid</td>
<td>E</td>
</tr>
<tr>
<td>Botany</td>
<td>A</td>
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</tbody>
</table>

Second Year

| English        | C               |
| Plane Geometry | C               |
| Elect one from the following: | |
| Latin          | A               |
| Physiology     | A               |
| Typewriting    | A               |
| Bookkeeping    | A               |
| Typewriting    | A               |
| English        | E               |
| Latin, Caesar  | C               |
| Solid Geometry | E               |
| Physics        | A               |
| Botany         | A               |
| Medieval History| C              |
| Miniature History | D          |
| Bookkeeping    | B               |
| Typewriting    | B               |

Fourth Year

| Commercial Geography | English        |
|Commercial Law        | A               |
|Elect three from the following: | |
| Latin, Cicero        | E               |
| Stenography          | E               |
| American History     | E               |
| Zoology              | E               |
| Civics               | E               |
| Home Economics A     | E               |
| Home Economics B     | E               |
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, during 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 early 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 com-
positions 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 en-
tering 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 de-
pend 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 sys-
tem 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 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 melodic 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 indispen-
sable 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.

**Form and Composition**

In order that the student may thoroughly understand the thought
of the composer, it is necessary that he should become 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
some 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 eve-
nings 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 rec-
tials are about forty minutes in length and pupils from all depart-
ments are expected to participate.
The frequency of these recitals gives all the pupils who are proficient a number of appearances during the season. At the close of the season a concert is given by the graduates.

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

The College Orchestra

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

Musical Attractions

It is conceded that a musical education consists largely in hearing the best music of the best interpreters. For this reason artists of the first magnitude have been brought to Ottawa. The following are a few of the more prominent attractions that have visited us: Lillian Nordica, Ernestine Schumann-Heink, Albert Spalding, Frieda Langendorff, Maud Powell, St. Paul Symphony Orchestra with their soloists, 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, one 30 minute lesson a week for one semester ..... $30.00
Voice, one 45 minute lesson a week for one semester ..... $35.00
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 Case, one 30 minute lesson a week for one semester 15.00
Harmony, one semester ..... 10.00
History of Music, one semester ..... 6.00
Harmonic Analysis, one semester ..... 18.00
Form and Composition, one semester ..... 16.00
Public School Methods, one semester ..... 18.00
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
Ayraud, Ralph, Ottawa
Bailey, Harold W., Denver, Colo.
Balch, Elmer, Nelson, Ottawa
Barrow, Ruth, Kansas City, Kan.
Beck, Waldo, Ottawa
Crocker, Claude, Ottawa
Crompton, Catherine, Ottawa
Dancy, Dora, Ottawa
Eardley, Mary Marie, Ottawa
Evans, May, Washington
Fujii, Kunio, Tokyo, Japan
Gill, Anne, Independence
Goodman, Paul K., St. John
Halbert, Verne, Pella, Iowa
Halbert, Walter, Pella, Iowa
Hail, Mabel, Ottawa
Hansen, Martha, Ottawa
Heilman, Edward B., Ottawa
Heggers, Mabel, Ottawa
Hicks, Grace, Columbus, Ohio
Hicks, Ruth, Columbus, Ohio
Johnson, Meta, Alta Vista

Juniors

Ayrault, Ruth, Ottawa
Banta, Helen, Oskaloosa
Barthart, William, Ottawa
Blackburn, Earl, Ottawa
Breid, Ada, Ottawa
Campion, Robert, Ottawa
Carter, Winnie, Ottawa
Corden, Albert Belinda, Ottawa
Davis, Ruth, Williamsburg
Durst, Marguerite, Ottawa
Everingham, Sarah, Ottawa
Garrett, Gladys, Ottawa
Hartley, Ward, Ottawa
Harvey, Margaret R., Ottawa
Heppener, Margaret, Ottawa
Hewitt, Ethel E., Wellsville
Holbert, Helen, Pratt
Johannes, Ruth, Sedan
Kemper, Holly R., Lakin

Sophomores

Amour, Eula, Ottawa
Barnes, Oliver, Ottawa
Bauer, June, Sedan
Bergen, Roger, Milo
Boyce, Fred A., Junction City
Briggs, Ethel, Lexington
Breder, Elwood, Phlox
Clark, Nora, Kansas City, Kan.
Cramer, Gladys, Wellsville
Dean, Bertha E., Priscott
Dick, Gladys, Ottawa
Douglas, E., Coffeyville
Dunlap, E., Coffeyville
Easley, Louise, Oklahoma
Elliott, Mildred, Pueblo, Colo.
Ferrin, Norene I., Milford
Flora, Claude, Centropolis

Kibbee, Edith, Ottawa
Larsen, Elmer, Ottawa
Lentz, Myrtle, Council Grove
Maxwell, Mildred, Ottawa
Oglesby, Grace M., Girard
Plocoquet, Paul, Ozark
Peterson, Robert, A. A. Lindsey
Phelps, Paul, Ottawa
Piper, Isabel, Alma
Rolle, Orleans, Ottawa
Ross, Manley, Alden
Seymour, Lillian, West Plains, Mo.
Skidmore, Lurline, Ottawa
Spradling, Zella, Independence
Swedehart, E. Clay, Norwich
Top, Leonard E., Ottawa
Wilson, Lucie, Mound Valley
Winter, Guy Halbert, Ottawa
Wise, Helen, Mound Valley

Foster, E. Lee, Protection
Foster, Dorothy Kent, Ottawa
Gentry, Mildred, Ottawa
Gillett, Nellie, Ottawa
Hanes, Evelyn, Ottawa
Harmon, Roy L., Sedan
Hegle, Rond R., Ottawa
Howard, Mary Ann, Ottawa
Hunt, Harold J., Wilmore
Hunt, Gertrude
Jones, Ross Payne, Chicago, Ill.
Jordan, Glin, Idaho
Keating, Florence, Ottawa
Laird, Neil, Ottawa
Lacy, Howard Clayton, Ottawa
Lewis, Robert, Ottawa
Lundberg, Mildred, Norton
THE ANNUAL CATALOG

MATHER, MARION, OTTAWA
"Manse," Barnett, Ottawa

NEWTON, William, Ottawa

MCCULLOCH, RICHARD, CARPENTERS

MARTIN, FAY, OTTAWA

Mc Granin, Margaret, Servant

Holt, Joseph A., Ottawa

Ponsonby, Pemberton, Ottawa

Pfeiffer, Herbert G., Lorraine

Pfeiffer, Mildred Bertha, Lorraine

ARM, Davolinc, Fern, Kansas City, Mo.

Bairly, George, Ottawa

Benton, William, Fort St. John

Bergers, Joseph E., Ottawa

Braness, J. M., Ottawa

Branchman, Susannah, Ottawa

Brewer, Nathan Addis, Burdon

Brydy, John B., Flaxmore

Campbell, J. Ruth, Ottawa

Campbell, Lenore Elba, Girard

Caru, William, Ottawa

Coleman, Sheldon, Wichita

Cox, Ella Opal, Pleasanton

Crater, Faye Marie, Ottawa

Darner, Reba Lucille, Ottawa

Davies, Florence Millie, Syracuse

Dean, Evelyn, Princeton

Dickerson, Clarice, Pearls

Drum, Ida Allen, Ottawa

Bredon, Claudie G., Rolla

Buggs, Millie M., Ottawa

Duncan, Robert Doris, Greedley

Elder, Lila May, Ottawa

Evans, Nola, Ottawa

Flett, Freda Viola, Humboldt

Froechem, Paul, Ottawa

Gillett, Lloyd H., Ottawa

Gillette, Genevieve, Ottawa

Gloyd, Howard K., Waterloo

Gray, Cora, Ottawa

Hall, Donald Lee, Longton

Halloran, Clyde Eugene, Ottawa

Harnett, Ada Louise, Johnstown

Henderson, Eva Mae, Harris

Henderson, Vera Sue, Harris

Herr, Mildred G., Harris

Hughes, Gladys Rhoda, Lees

Humphrey, Arthur Bryan, Oklahoma City, Okla.

Jewell, Edwards Arnold, Mont, Hope

Johnson, Louis, Ottawa


Keith, Gladys Edna, Ottawa

King, Gladys, Ottawa

Knox, Frank Martin, Ottawa

Kobayashi, Sarah Shige, Tokyo-Fukuoka, Japan

Kyle, Roy Earl, Chats, N. M.

Randall, Esther Inez, Sudan

Ketchiner, Marie, Ottawa

Leftwich, Rowland Morris, Ottawa

Schroeder, Edna, Ottawa

Sharp, Dorothy, Kansas City, Kan.

Sprigg, Hazel Kunkel, Scammell

Swanson, Alma, Concordia

Vaughn, Elva, Valley

Whitney, Helen Kathryn, Garden City

West, Virginia, Ottawa

Labid, Wallace A., Ottawa

Lawrence, Catherine M., Ottawa

Leonard, Forrest H., Ottawa

Love, Robert S., Ottawa

Lucas, Lenore, Ottawa

Marshall, Helen Willard, Ottawa

Marshall, Lula Frances, Kansas City, Mo.

Marta, Ralph O., Ottawa

Mathias, Pearl, Ottawa

Mattison, Faye Florence, Le Louge

Maxwell, Florence Laura, Ottawa

McKean, Neta Belle, Watseka

McMurray, Guy L., Ottawa

Miller, Edith May, Ottawa

Moore, Hilbert Russell, Paul

Owen, Theodore Chancy, Boyer, Colo.

Park, Jesse Milford, Nebraska

Petit, Tula, Valley

Phipps, Lois, Ottawa

Pope, Anna, Gravina

Retzke, Ward H., Sedan

Richter, Margaret Richard, Engingham

Roan, Elsie Loca, St. Joseph, Mo.

Rouse, Anna M., Ottawa

Rudd, Judson Archer, Hooper, Colo.

Schmidt, Nellie Kathleen, Lorrain

Seary, Lucile, Lomita

Sellers, Bernice, Ottawa

Shaner, Helen Margaret, Ottawa

Shawhan, Lena, Lena's Summit, Mo.

Shauer, Frank Rardin, Wilmar

Shoemaker, Mildred Marie, Beige

Skinner, Ada Eliza, Ottawa

Smed, Chlo Vincent, Independence

Snyder, Harold Allen, Iola

Spongier, Ella, Ottawa

Reinartz, Alice, Leesburg, Ottawa

Tate, Paul, Ottawa

Tiger, Helen May, Manila, Okla.

Timmerman, Minnie, St. Louis

Tucker, Frances Sarah, Walla Walla

Tussing, Lawrence Bertie, Ottawa

Vandermie, Dorothy Louise, Larned

Whitney, Harold, Wichita

Winn, Nellie Elizabeth, Gree, Okla.

Witmer, Edna, Ottawa

Wood, Elsie Lora, Clifton

R. F. C. McPhee, Toronto

St. Hilaire, Albert, Ottawa

Mitchell, Margaret, Ottawa

OAK<br>

ACADEMY<br>

Fourth Year<br>

Bairle, Lowell, Ottawa

Borgman, Ada Marie, Portstall, Mo.

Bosch, George L., Ottawa

Brumit, Fred A., Chicago, III.

Fuson, Chester, Richmond

Gassett, Bernice, Ottawa

Hagey, Florence, Ottawa

Hale, Jewett Corinne, Cherryvale

Hawkinson, Clarence William, Lindsay

Hess, Alice Louise, Ottawa

Jackson, Nola, Ottawa

Johnson, Pearl, Maple Hill

Knapp, Julia, Ottawa

North, Emma Elizabeth, Ottawa

Paul, Frances D., Ottawa

Phillips, Arthur D., Ottawa

Third Year

Back, Frank F., Lovelake, Okla.

Belle, Harry A., Ottawa

Berkheer, Sara, Ottawa

Brice, Cecil, Ottawa

Carter, Jeanne Frances, Ottawa

Carter, Vernon Eugene, Ottawa

Orr, Kenneth Jr., Ottawa

Gable, Raymond, Ines

Gerhard, May, Ottawa

Hayward, Bertha, Ottawa

Special

Conservatory of Music

Piano

Goff, Mrs. Edna, Ottawa

Lodge, Mildred, Ottawa

Elliot, Mildred, Fowler, Cola.

Evans, Evelyn, Ottawa

Fay, Regina, Ottawa

Gallaher, Allen, Ines

Garth, Mrs. W., Ottawa

Goodman, Paul E. B., John

Gossett, Byron, Ottawa

Hale, Victor, Cherryvale

Harris, William, Ottawa

Harnett, Alta, St. John

Harris, Arthur, Ottawa

Harrington, Helen, Ottawa

Hegberg, Florence, Ottawa

Heller, Anna, Ottawa

Howard, Lula, Ottawa

Hill, Ione, Ottawa

Hodgson, Louise, Ottawa

Hullbert, Helen, Pratt

Iac, Naomi, Ottawa

Jackson, Els, Ottawa

Jackson, Veda, Ottawa

Jasper, Loretta, Ottawa

Johnson, Dora, Richmond

Kneen, Ruth, Ottawa

King, Gladys, Ottawa

Kobayashi, Tad, Ottawa

Koch, Thelma, Ottawa

Lamb, Mary, Ottawa

Lawrence, Catherine, Ottawa

Lister, Evelyn, Ottawa

McPhee, Florence, Quemado

McGeehan, Beside, Kansas City, Kan.

Manfield, Frank, Ottawa
THE ANNUAL CATALOG

Pipe-Organ

Harmony and Other Musical Courses

Voice

Violin
SUMMARY OF STUDENTS

COLLEGE

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Special ............................................. 7

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ACADEMY

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First Year ......................................... 11
Special ............................................. 1

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Violin ............................................... 41
Pipe-Organ ......................................... 5
Harmony and other courses .................. 26

238

Grand Total ....................................... 565
Repeated Names .................................. 189
Net Total ......................................... 476

DEGREES, DIPLOMAS, PRIZES AWARDED IN JUNE, 1920

DEGREES IN COURSE

Bachelor of Arts

Mamie Della Barnes
*Ralph Murdock House
Dorothy Grace Carr
Alma Cusenbert
H. Kenneth Casey
Margaret Elinor Clark
Jeannie Bannister
Nelle Frances Forest
Ruth Sarah Gentry
Glen Donald Gowan
Leola Hudson
*Carrie Jowell

Bachelor of Science

Walter Clyde Anthony
Frances M. Balyeat
John Battin
Lillie Ruth Caldwell
Bernice Marie Crawford
*Nerissa Evangeline Feibler

Bachelor of Music

Laura Elizabeth Rans

DIPLOMAS IN THE ACADEMY

College Preparatory Course

Agie F. Bailey
*Ruth Frances Bell
*Joseph J. Berghoff
Evelyn Dean
Wilma Goodwin Eacker
Alice Gehrke Gillette
Ernest Marion Lyon

Pearl Mathias
Edwina Miller
Tulsa Pettit
Mildred P. Swenson
Leona B. Weber
Mary Lucile Ross
Bertie Irene Pettit

Commercial Course

Alta Irene Gates
Wallace A. Laird

Evelyn Dean and Pearl Mathias

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
THE ANNUAL CATALOG

CLASS HONORS
1919-1920

SENIORS
First Honors
Marie Elizabeth Micky
Laura Elizabeth Ramsey
Mary J. Skillen

Second Honors
Frances H. Bixby
Lilla Ruth Caldwell
Jeannie Dannunz
Ruth Sarah Gentry
Seminie Irene Livengood
Robert J. Spedding
Edna Williams

JUNIORS
Ruth Scharl Beeversen
William Henry Snavely

Maza Rena Evans
Edna Willey Winner

SOPHOMORES
Jessie Ruth Ayauel
Helen Theresa Bullurt
Marguerite Anita Lunsing
Zella Speckling

FRESHMEN
Merrel Batlin
Dorothy Kent Foster
Mildred Alice Gentry
Martha Alice McFadin
Hortense Louise Price
Morris Bowland Ritchie

THE ALUMNI ASSOCIATION

Officers for 1920-1921

President ........................................ Roy Taylor, Ingalls, 1916
Vice President ................................... Elliott Heiken, Ottawa, 1920
Secretary ......................................... Margaret Clark, Ottawa, 1920
Treasurer ......................................... Mary H. Buse, 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 alumni 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 1882...........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...........$1,200.00 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 $1,900.00 for Chimes
Class of 1920...........A Grand Piano for the Chapel
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