

BULLETIN
OF
OTTAWA UNIVERSITY
OTTAWA, KANSAS



CATALOG EDITION, 1918-1919
ANNOUNCEMENTS FOR 1919-1920

OTTAWA UNIVERSITY
OTTAWA, KANSAS

THE
ANNUAL CATALOG

REGISTER FOR 1918-1919
ANNOUNCEMENTS FOR 1919-1920



THE QUARTERLY BULLETIN

Vol. XVI.
April, 1920.
No. 4.

THE UNIVERSITY CALENDAR

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1919

- March 25, Tuesday—The Third Quarter Begins.
- April 21, Monday—Charter Day.
- June 8, Sunday, 10:30 a. m.—Baccalaureate sermon by the President.
8:00 p. m.—Sermon before the Christian Associations.
- June 9-11, Monday-Wednesday—Final Examinations.
- June 11, Wednesday, 4:30 p. m.—Senior Class Farewells.
5:30 p. m.—Alumni Dinner.
8:30 p. m.—Graduation Exercises of the Conservatory of Music.
- June 12, 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 13, Friday, 10:30 a. m.—Commencement.
12:30 p. m.—Commencement Dinner.
- The University has been conducted on the "Quarter Plan" during 1918-19 in order to meet Government requirements. It will return to the "Semester Plan" for 1919-20.
- September 16, Tuesday, 9:30 a. m.—First Semester Begins.
- November 27, Thursday, 9:30 a. m.—Thanksgiving.
- December 19, Friday, 4:30 p. m.—Holiday Recess Begins.

1920

- January 6, Tuesday, 8 a. m.—Holiday Recess Ends.
- January 27-29, Tuesday-Thursday—Mid-Year Examinations.
- February 3, Tuesday—Second Semester Begins.

BOARD OF TRUSTEES

Term Expires June, 1919

H. Q. BANTA, Oberlin
 H. M. CULTER, Emporia
 W. C. COLEMAN, Wichita
 F. O. HETRICK, Ottawa
 BRUCE KINNEY, Topeka
 GEORGE W. HUNLEY, Garnett
 ERICH SWENSON, Clay Center
 F. H. STANNARD, Ottawa
 A. E. WILLIS, Ottawa

Term Expires June, 1920

H. O. CASTER, Topeka
 L. E. CHASE, Hiawatha
 J. T. CRAWFORD, Parsons
 D. F. DANIEL, Ottawa
 J. W. EBY, Howard
 T. J. HOPKINS, Adrian, Mich.
 G. F. JUNGERMAN, Hiawatha
 J. F. MOIRIE, Phillipsburg
 R. W. RAMSAY, Atchison

Term Expires June, 1921

G. W. CASSIDY, Wichita
 C. Q. CHANDLER, Wichita
 H. W. COLE, Hutchinson
 C. F. LAMB, Ottawa
 W. P. LAMBERTSON, Fairview
 J. V. MITCHELL, Ottawa
 WILLIAM MOORE, Anthony
 ARVIN S. OLIN, Lawrence
 W. A. SMITH, Hays

Term Expires June, 1922

H. C. DALE, Yale, Okla.
 W. A. ELLIOTT, Ottawa
 P. O. HEGBERG, Ottawa
 J. A. McDEIRMOTT, Winfield
 C. A. SMART, Ottawa
 L. R. SPRADLING, Independence
 ROBERT STONE, Topeka
 C. G. WEST, Emporia
 R. S. MICKEY, Morrill

OFFICERS OF THE BOARD OF TRUSTEES

A. S. OLIN, President; F. H. STANNARD, Vice President; W. A. ELLIOTT, Secretary; J. V. MITCHELL, Treasurer of Current Funds; D. F. DANIEL, Treasurer of Endowment and Trust Funds.

COMMITTEES

Executive: D. F. DANIEL, Chairman; F. H. STANNARD, Secretary; W. A. ELLIOTT, C. G. WEST, J. V. MITCHELL, A. S. OLIN, A. E. WILLIS.

Finance: A. S. OLIN, Chairman; C. Q. CHANDLER, W. C. COLEMAN, D. F. DANIEL, R. W. RAMSAY.

Loan and Investment: F. H. STANNARD, Chairman; D. F. DANIEL, C. A. SMART.

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

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

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

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

THE FACULTY AND OTHER OFFICERS

SILAS EBER PRICE, D. D., President. Professor of Biblical Literature.
 MILAN LESTER WARD, D. D., Emeritus Professor of Mathematics.
 WILLIAM B. WILSON, M. S., Dean. Professor of Biological Science.
 CHARLES VERNON STANSELL, A. M., Professor of English Literature and Journalism. Secretary of the Faculty.
 LEONIDAS R. HIGGINS, Ph. D., Professor of Greek and Latin. Librarian.

FRIED H. MCCLAIN, B. S., Professor of Physics.

FORREST A. KINGSBURY, A. M., Professor of Education and Philosophy.

ROWLAND HENRY RITCHIE, A. M., Professor of English Language and Speech.

A. A. SCHABINGER, A. B., B. P. E., Physical Director of Men.

ELIZABETH MAY HIGGINS, A. B., Acting Professor of Modern Languages.

GRACE E. JEFFERSON, M. S., Acting Professor of Mathematics.

HERMAN J. THOHLSTENRENG, Ph. D., Professor of History and Political Science.

LINA TULLOSS, B. S., Instructor in Home Economics.

NELSON D. SCHUPCHAB, B. S., Acting Professor of Chemistry.

MRS. ETHEL CLEVELAND, Physical Director of Women.

LUTHER R. HOGON, A. M., Acting Professor of Philosophy and Education.

JOHN C. QUIN, Ph. B., Special Instructor in Military Law for the S. A. T. C.

MAX ALDerman, B. S., C. E., Special Instructor in Surveying and Map Making for the S. A. T. C.

AGNES T. CRAWFORD, A. B., Acting Professor of Modern Languages.

HUGH A. BROWN, M. S., Acting Professor of Physics.

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

RUBY D. CONOVER, A. B., Instructor in English and Science.

KATHRYN GUNN, A. B., Instructor in English.

MRS. MABEL BURGY, A. B., Instructor in Commercial Subjects.

PAUL R. UTT, Dean of the Conservatory of Music. Teacher of Voice, Theory and History of Music.

MRS. PAUL R. UTT, Teacher of Piano and Organ.

LUCY K. FORBES, Mus. B., Teacher of Piano.

FRANK M. KENDRIE, Teacher of Violin.

ELSIE M. UMSTOT, B. S., Recorder and Secretary to the President.

MARIETTA PRICE, Assistant Treasurer.

MARGARET STICKLER, Matron of Charlton Cottage.

† Absent on leave.

* Died of Influenza, Oct. 15, 1918.

STANDING COMMITTEES OF THE FACULTY
 Registration and Entrance Credits, Professors Wilson, Stansell, Miss Brown; Rules and Regulations, Professors Wilson, Stansell, Ritchie; Athletics, Professors Wilson, Schabinger, Miss Brown; Debate, Professors Ritchie, Stansell; Library, Professors Higgins, Thorstengard, Crawford; Social Affairs, Mrs. Cleveland, Misses Conover and Gunn.

GENERAL INFORMATION

LOCATION

Ottawa University is located at Ottawa, Kansas, fifty-eight miles west 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.

CAMPUS AND BUILDINGS

The Campus of thirty-three acres is in the south side of the city.

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

University Hall contains the administration offices, the chapel with nine hundred seats, a physics laboratory, the library, society halls, rest room for ladies, and thirteen recitation rooms.

Charlton Cottage is a dormitory with dining hall and accommodations for twenty-four young women.

The Gymnasium, which was built in 1914, contains a large, modern swimming pool, shower baths, basketball floor, running track, kitchen and various other rooms.

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

EQUIPMENT

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

The Chemical Laboratories are two in number. The laboratory for General Chemistry is furnished with tables for forty-four students. Each student has his own individual outfit. He is supplied with reagent bottles, beakers, flasks, porcelain ware, thermometer, dropping funnel, graduated cylinder, gas bottles, wash bottles, rubber stoppers, clamps, etc., seventy pieces of apparatus valued at \$10. In the laboratory for Quantitative Analysis each student is provided with thirty-five reagent bottles, assorted beakers, flasks, porcelain ware, test tubes, thermometer, platinum wire, etc., eighty-five pieces valued at \$22.50. The laboratory is supplied with gas generators, a water still and side shelf reagents. Chemically pure reagents are provided for the entire work of this course.

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

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

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

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

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

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

Physics.—The department occupies two rooms in the basement of University Hall. The larger one is 66 feet square and is the main laboratory and lecture room, and contains a large dark room for experimental work in optics. The laboratory is supplied with water, gas, and electric circuits furnishing both direct and alternating currents, and with stone piers and shelves, giving instrument supports free from vibration. The apparatus is sufficient to show in lectures all the experiments usually given in college physics and to enable the students to perform in the laboratory most of the experiments described in laboratory manuals of college physics. A partial list of the most important pieces of the laboratory equipment would include the following: one X-ray machine, one Foucault bimostat, 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 one-half horse power direct current motor, one water motor, two Geryk air pumps, one Schmidt and Haensch polariscope, twelve D. C. and A. C. ammeters, voltmeters, wattmeters, one standard condenser (Leeds and Northrup), one earth inductor, an optical disc, one six inch induction coil, a large number of Geissler, Crookes, and X-ray tubes for the study of electrical discharges in high vacua, and a spinthariscope for demonstrating radium energy. New apparatus is added, when it is required for the best work.

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

Surveying.—The equipment for surveying consists of a Gurley engineer's transit with vertical circle and stadia wires; a Keuffel and Esser engineer's Y level; a Wimzel 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 18000 specimens of insects representing more than 7000 species. In some ways it is the most valuable collection of insects in the state. The specimens are properly named and classified. The cases are labeled so as to be readily available for use in classes. This collection amply supplies much needed material for economic as well as biologic study and research. The donor, Mr. F. P. Crevecoeur of Omaha, 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 9700 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

TUITION AND REGULAR FEES.

Tuition, each Semester	\$21.00
Incidentals, each Semester	6.44
Library Fee, each Semester	1.00
Student Enterprise Fee, each Semester	1.00

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 \$5.50 or \$5.75 a week according to the room occupied. Board alone has cost \$4.75 a week. The rooms in the Cottage are furnished, but students are required to provide their toilet articles and linens.

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

LABORATORY FEES.

Astronomy	\$1.00
Biological courses, except 1 and 2, each	1.00
Biological courses, 1 and 2, each	5.00
Chemistry, 1, 2, 3, each	5.00
Chemistry, 1a	2.50
Chemistry, 3	\$4.50 or \$6.00
Chemistry, 4	2.50 to 4.00
Chemistry, 6	4.00
Chemistry, 7	2.50
Chemistry, 10	\$1.50 per credit hour
Home Economics A, Academy course	3.50
Home Economics 1	5.00
Home Economics 2	5.00
Home Economics 3	1.00
Home Economics 4	5.00
Physics, 1, 2, A, B, C, D, each	3.00
Physics, 4, 6, each	3.00
Physiology, A	2.00
Physiography	1.00
Surveying	3.00
Typewriting	3.00

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

TELEGRAPH FEE. This is required only of those who use the University courts, and is \$.50 per semester.

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

SPECIAL REGULATIONS REGARDING FEES AND CHARGES. The charges for students registering for less than the full amount of work shall be as follows: Students taking one subject shall pay \$2.50 per semester hour in the College and \$1.75 per semester hour in the Academy; however, no charge of less than \$4.00 will be made. Students taking more than one subject shall pay \$1.50 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 \$1.50 per semester hour, if in the College, and \$1.00 per semester hour, if in the Academy, for each additional hour.

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

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

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

SCHOLARSHIPS AND DESIGNATED FUNDS

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

The John Tecumseh Jones Fund of \$5,387.45.

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

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

The Mrs. Blanchard Fund of \$867.50.

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

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

The Octavia Reed Scholarship.

The Harriet Chase Scholarship.

The Luella M. and William F. Holroyd Scholarship.

The A. Biggall Bevington Scholarship.

The Simeon Cole Scholarship.

The Peter and Matilda Bollinger Scholarship.

The Pearl B. Kellogg Scholarship.

The Harry W. and Jessie M. Grass Scholarship.

The Cordelia Russell Scholarship.

The Theodore F. and Cynthia E. Bradbury Scholarship.

The James P. and Sallie D. Hall Scholarship.

The Abraham C. and Eliza F. Miles Scholarship.

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

The Edwin and Louise Potter Scholarship.

The Sarah E. and Ella E. Alderson Scholarship.

The J. W. Tate Scholarship.

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

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

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

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

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

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

The Groveson Library Fund of \$1,000.

The Becker Library Fund of \$300.

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

PRIZES AND TROPHIES

The Junior Oratorical Contest, open to members of the Junior Class. Heretofore prizes for this contest have been offered by Mrs. A. Dobson of Ottawa.

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

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

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

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

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

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

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

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

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

Academy English Prize, consisting of ten dollars, given by Miss Hope Converse in honor of her mother, Mrs. C. C. Converse, awarded to the member of the graduating class in the Academy who has excelled in English. Not given to the winner of the Academy scholarship.

Lowe 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: Subjects studied, text book, length of recitation, number of weeks and grade earned. A blank for this purpose can be secured by addressing the President of Ottawa University. These certificates should be mailed to Ottawa University before the opening of the semester. Students who present certificates from High Schools accredited by the University of Kansas will be given full credit for all the work that they have done. Candidates who present their grades by mail may learn in advance to what extent their credits will be approved.

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

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

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

STUDENT ORGANIZATIONS AND ACTIVITIES

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

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

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

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

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

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

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

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

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

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

THE COLLEGE OF LIBERAL ARTS

REQUIREMENTS FOR ADMISSION

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

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

Schedule of Admitted Units

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

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

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

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

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

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

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

At least three units must be presented in some group other than Groups I. and VI. It is preferred that the Foreign Language requirement be Latin in all cases except that of engineering students. In their case a modern language, preferably German, 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:

- English Language and Literature.
- Ancient Languages—Greek and Latin.
- Modern Languages—German, French and Spanish.
- Mathematics—Pure Mathematics, Engineering and Astronomy.
- Physical Science—Physics, Chemistry and Geology.
- Biological Sciences.
- History, Economics, Sociology and Political Science.
- Philosophy, Psychology and Education.
- Biblical Literature and Religion.
- Home Economics and Music.

Required Work

In the Freshman and Sophomore years at least five semester hours of work must be taken from each of four groups. Before graduation at least five semester hours must be taken in each of seven groups out of the first nine groups. This last requirement will not apply to the classes of 1929 and 1931. 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 thir-

teen semester hours in his minor group, subject to such conditions as the department concerned may prescribe. In the selection of minors, German, French, Philosophy (inclusive of Psychology), Chemistry, Physics and Education shall each be considered a distinct group. Students who complete 120 semester hours of work with at least thirty honor points shall be recommended for the degree of A. B. If their major subject is chosen from Groups 1, 2, 3, 7, 8, 9; 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. Frequent conferences of that kind are exceedingly important.

In reckoning of majors Physics may be counted in group 4, Philosophy and Psychology in group 9, 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 I and 2, a laboratory science five hours, foreign language, inclusive of that offered for admission, equal to four entrance units, Psychology three hours, Ethics three hours, Christian Evidences three 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 French and German is advisable for all students who are planning to do graduate work at any university.

Honor System

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

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

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

Class scholarship honors are awarded as follows: "first honors" are awarded at the end of each year to those members of each of the four classes who have secured 28 or more honor points during the year; "second honors" to those who have secured less than 28 and more than 22 honor points.

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

STATE TEACHERS' CERTIFICATES.

Ottawa University is an accredited college under the state laws of 1892 and 1899. Students who complete specified work in Psychology and Education receive the State Teachers' Certificates described on another page.

The Board of Recommendations will do all that is in its power to secure places for graduates to teach. It will also exercise care in recommending persons for vacant positions. Due caution in making recommendations is to the advantage of all parties concerned.

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.
2. **Old Testament History.** The beginnings of early Old Testament times. The founders, rulers and crises of Israel. First and second semesters, two hours.
3. **The Apostolic Age.** Second semester, three hours.
4. **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.
5. **Christian Evidences.** The fundamentals of the Christian faith. Open to Juniors and Seniors. Second semester, two hours.
6. **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.
7. **The History of Religion.** Primitive religions developing into the great religions of the world and culminating in Christianity. Second semester, two hours.
8. **The Wisdom Literature of the Bible.** The books of Job, the Proverbs and the Psalms. Second semester, two hours.
9. **The Psychology of Religion.** The sources of religion, the idea of God, religion as individual and group conduct, the mental traits of religious leaders, conversion and prayer. Second semester, two hours.

BIOLOGICAL SCIENCES

1. **General Biology.** First semester, five hours.
2. **Physiology, Human.** Second semester, three hours.
3. **Zoology, Invertebrates.** First semester, three hours.
4. **Zoology, Vertebrates.** Prerequisite, Course 3 or one year of high school Zoology. Course 4 alternates with Course 10. Given in 1919-1920. Second semester, three hours.
5. **Botany, Thallophytes, Bryophytes and Pteridophytes.** First semester, three hours.
6. **Botany, Spermatophytes.** Prerequisite, Course 5 or one year of high school Botany. Second semester, three hours.
7. **Histology, Vegetable and Animal.** Prerequisite, Course 1. First semester, two hours.
8. **Histology, Continuation of Course 7.** Second semester, two hours.
9. **Cytology.** Prerequisites, Courses 1, 7 and 8. First semester, three hours. Course 9 alternates with Course 15. Given in 1919-1920.
10. **Entomology.** Prerequisite, Course 3 or one year of high school Zoology. Course 10 alternates with Course 4. Omitted in 1919-1920. Second semester, three hours.
11. **Bacteriology.** Prerequisite, Course 5 or an equivalent. Second semester, two hours.
12. **Biology Teacher's Laboratory Course.** Prerequisites, Courses 2, 3, 4, 5, 6, 7, 8 and 10. Course 15 alternates with Course 9. Omitted in 1919-1920. First semester, three hours.
13. **Agriculture.** Courses suggested as preliminary: Chemistry 7 and Biology 3, 4, 5, 6, 10 and 12. Second semester, three hours.

CHEMISTRY

1. **General Chemistry.** The elementary principles are studied with reference to their history, geographical distribution and commercial importance. Emphasis is laid upon the application of chemistry to the arts and manufactures. Prerequisite, high school physics. Second semester, five hours.

In. Applied Chemistry. This course is intended to meet the needs of those students who desire more general chemistry than is offered in Course 1 but have no desire to take theoretical chemistry. This course may be taken with Course 2. Prerequisite, high school chemistry. First semester, three hours.

2. General Chemistry. Continuation of Course 1. Lectures, recitation, reading and laboratory work. Prerequisite, high school chemistry. First semester, three hours.

3. Qualitative Analysis. Second semester, four to five hours.

4. Quantitative Analysis. This course includes gravimetric and volumetric methods. Either semester, two to five hours' credit.

5. Organic Chemistry. First semester, five hours.

6. Physical Chemistry. Second semester, three or five hours.

7. Agricultural Chemistry. First semester, three hours.

10. Chemistry of Foods, Minerals and Water. Either semester, two to ten hours.

Students who are preparing to teach Chemistry in the high school are expected to take Courses 1, 2, 3, 5 and 6.

ECONOMICS AND SOCIOLOGY

The plan in this department is to offer a group of courses designed for general culture and as a broad foundation for a business career, without any attempt to give vocational training. With the exception of elementary courses the following announcements are tentative:

1. 2. Economics. Elementary course. First and second semesters, three hours.

3. Economics of Agriculture. First semester, three hours.

4. Business Organization. Second semester, two hours.

5. Statistics. Elementary course. First semester, two hours.

6. Money and Banking. Second semester, three hours.

7. Social and Industrial Development of England. First semester, three hours.

8. Social and Industrial Development of the United States. Second semester, three hours.

9. Business Finance. First semester, two hours.

10. The Retail Business. Second semester, two hours.

11. Principles of Accounting. First semester, two hours.

12. Public Finance. Second semester, three hours.

13. Labor Problems. First semester, three hours.

14. Railroad Transportation. Second semester, two hours.

21. Elements of Sociology. The fundamental principles of social organization, and the origin and growth of institutions. Special attention paid to the history of the family. First semester, two hours.

22. Applied Sociology. Application of sociological principles to present day problems of social betterment. Second semester, two hours.

EDUCATION

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

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

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

(3). Special certificates valid for one year in special branches prescribed by State Board. Requirement, two years' (60 semester hours) college work, including 25 hours in the special branch in which certifi-

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cate is desired (such as Commercial branches, Music, Physical Training, etc.) and three hours each in General Psychology, Methods, and School Management.

Examinations or experience may be accepted by the State Board under certain conditions in partial or total fulfillment of these requirements. For full particulars concerning certificates, see State Board's Manual of Information.

1. General Psychology. Open to Sophomores. Required, High School Psychology not accepted as equivalent. First semester, three hours.

2. Educational Psychology. Prerequisite, Psychology 1. Second semester, three hours.

3. History of Education. Prerequisite, Psychology 1. First semester, two hours.

5. Philosophy of Education. Prerequisite, Psychology 1. First semester, three hours.

6. Educational Administration. Open to Juniors, but advised for Senior year. Second semester, three hours.

8. Educational Methods. Second semester, three hours.

9. Principles of Education. The fundamental processes and development of the mind. First semester, three hours.

10. Psychology of the Child. The original nature of the child, the social instincts, memory, imagination, the use of play in education. This work will be supplemented by a short course in experimental psychology. Second semester, three hours.

Credit (not to exceed three hours) in special teachers' courses in English, History, Foreign Language, Natural Science, or Mathematics, when approved by the department of Education, 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.

ENGINEERING

1. Elementary Mechanical Drawing. Prerequisite, Plane and Solid Geometry. Either semester, two or three hours' credit.

2, 3. Machine Drawing. Prerequisite, Course 1. Either semester, one, two, or three hours' credit.

4. Architectural Drawing. Prerequisite, Course 1. Either semester, three hours' credit.

5. Topographical Drawing. This course should be taken in connection with Surveying. Second semester, two hours' credit.

6. Descriptive Geometry. Prerequisite, Course 1. Second semester, three hours.

7, 8. Surveying. Prerequisite, Trigonometry. First and second semesters, two hours. In Surveying about one-half day a week is spent in field practice.

9. Mechanics. Prerequisite, Physics 1. Second semester, two hours.

10. Kinematics. Prerequisites, Courses 1 and 2. Second semester, three hours' credit.

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

ENGLISH LANGUAGE

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

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

2a. Continuation of Course 1. Open to students who have passed course 1 with grade of A.

3. Advanced Composition. Prerequisites, Courses 1 and 2 or an equivalent. First semester, two hours.

4. Advanced Composition. Prerequisites, Courses 1 and 2 or an equivalent. Second semester, two hours.

24. Debating, Extempore Speaking, Parliamentary Law. Open to Sophomores, Juniors and Seniors. Limited to 25. First semester, three hours.

22. Public Speaking, Formal Public Address, Oration, Lecture. Prerequisite, Course 21 or an equivalent. Limited to 15. Second semester, two hours.

24. Argumentation. Attention given to intercollegiate debate questions. Prerequisite, Course 21 or an equivalent. Second semester, two hours. (Three hours in class for 12 weeks).

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

ENGLISH LITERATURE

Special attention is called to Course 11, which should be taken in the Freshman year. This should be followed by Course 12. Additional courses in literature should be taken as nearly as possible in chronological order. Students are expected to consult the heads of departments concerned with reference to the number of hours taken in literature, composition, and public speaking. For those who desire to teach English in high school, English 30 is a requirement.

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

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

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

9. English Dramatic Literature—The Elizabethan Age. Omitted in 1919-1920. First semester, two hours.

10. English Literature—The Puritan Period. Omitted in 1919-1920. Second semester, two hours.

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

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

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

15. English Literature, 1832-1892. The leading essayists: Macaulay, Carlyle, Ruskin, Arnold, Newman, Pater and Stevenson. Prerequisite to Course 16. First semester, three hours.

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

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

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

19. The English Novel in the Nineteenth Century. Dickens to Thomas Hardy. Prerequisites, Courses 11 and 14. Omitted in 1919-1920. Second semester, three hours.

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

EXPRESSION

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

GEOLOGY

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

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

GERMAN

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

3. Intermediate German. Review of grammar. Development of ability to use simple German in conversation and composition. Reading of texts of intermediate difficulty. First semester, five hours.

4. Intermediate German. Introduction to difficult prose. Brief survey of the History of German literature. Second semester, five hours.

GREEK

1. Elementary Greek. Attention is given to the Greek found in English. First semester, five hours.

2. Xenophon's *Anabasis*. Second semester, five hours.

3. Plato, *Apology* and *Crito*. The work of Socrates and an introduction to Greek philosophy. First semester, two hours.

5. Greek New Testament. A study of the language and ideas of early Christianity. This course alternates with Course 3. First semester, two hours.

11. Greek Civilization. A survey of the life and thought of the ancient Greeks and their contribution to modern civilization. This course requires no knowledge of the Greek language. First semester, three hours.

HISTORY AND POLITICAL SCIENCE

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

1B. Roman Civilization. Identical with Latin 12. Second semester, three hours.

1, 2. History of England. This course is intended to be the student's introduction to European history. First semester, two hours; second semester, three hours.

3, 4. Medieval and Modern Europe. Survey of the history of Europe from the fall of Rome to the close of the eighteenth century. First and second semesters, three hours.

5, 6. American History. History of American institutions with emphasis on constitutional questions. First and second semesters, three hours.

7. Recent European History. The development of institutions and international relations in the nineteenth century. Prerequisite, Course 4. First semester, three hours.

8. Intensive Study of Some Short Period (e. g. the American Revolution, the Civil War, the French Revolution, the Reformation), which is selected when the class is organized. Prerequisite, at least one year of college history. Second semester, three hours.

9, 10. Economic Development of Modern Europe. A sketch of the economic growth in the principal European countries from the medieval beginnings to the complex organization of the present. First and second semesters, two hours.

21. European Governments. First semester, three hours.

22. American Government. Second semester, three hours.

23. Elements of Political Science. First semester, two hours.

24. Elements of International Law. Prerequisite, Course 23 and one other course on Government. Second semester, three hours.

26. Teaching of History. Open to Juniors and Seniors with twenty hours' credit in history and government. Second 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. Household Management. Choice and care of the home, purchase of household supplies, budgets and household sanitation. Recitation, lectures and reference work. First semester or both semesters, three credits.

The following courses offered in other departments should be taken by students specializing in Home Economics: Chemistry 1, Organic Chemistry, General Biology, Physiology, Bacteriology. Courses in high school Home Economics are offered in the Academy.

JOURNALISM

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

2. A continuation of Course 1. Second semester, two hours. A certain amount of credit, determined by the instructor, may be granted for work done on the college weekly.

LATIN

1. Cicero, De Senectute or De Amicitia. Prose composition. Freshman and Sophomore Latin. This course alternates with Course 3. Omitted in 1919-1920. 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. Omitted in 1919-1920. Second semester, three hours.

3. Livy, Selections. Roman Institutions. Freshman and Sophomore Latin. First semester, three hours.

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

6. Tacitus, Agricola or Germania; Pliny, Selected Letters. Social and political conditions under the early empire. Second semester, two hours.

8. Teachers' Latin. Designed for students intending to teach Latin. Omitted in 1919-1920. Second semester, two hours.

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

MATHEMATICS

Courses 3, 5, 6 are recommended for purposes of general culture, also to students who specialize in Economics or in Chemistry. Students specializing in Physics or in Engineering should elect also Courses 7 and 10.

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

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

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

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

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

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

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

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

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

9. University Algebra. Prerequisite, Course 3. First semester, two hours.

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

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

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

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

15. Teaching of Mathematics. First semester, two hours.

17. Descriptive Astronomy. First semester, two hours.

MUSIC

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

PHILOSOPHY AND PSYCHOLOGY

Psychology 1 is prerequisite to all other courses in this department.

1. General Psychology. (Same as Education 1.) Open to Sophomores. Required. High school Psychology not accepted as equivalent. First semester, three hours.

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

7. Educational Psychology. (Same as Education 2.) Second semester, three hours.

9. History of Philosophy, Ancient, Medieval and Modern. Open to Juniors. First semester, three hours.

11. Logic. First semester, two hours.

12. Social Psychology. First semester, two hours.

14. Child and Experimental Psychology. (Same as Education 10.) Second semester, three hours.

15. Psychology of Religion. Open to Juniors. Second semester, two hours.

Courses 11, 12, 15 are given if the demand is sufficient.

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

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credit towards the Bachelor's degree:

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

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

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

PHYSICS

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

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

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

Physics C. First semester. One hour credit.

Physics D. Second semester. One hour credit. Physics C and D consist of laboratory work only. These courses are given for the benefit of those students who have done the required amount of work in the classroom, 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 \$4.50 a semester.

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

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

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

5. Electrical Measurements. A laboratory course co-ordinate with Course 2. First semester, one or two credits.

6. Dynamo Machinery. Fundamentals of electric apparatus. Prerequisite, Course 3. Second semester, three hours.

8. Dynamo Laboratory. An experimental course for the purpose of illustrating the principles of direct current dynamo machinery. Co-ordinate with Course 6. Second semester, four hours. Two credits.

ROMANCE LANGUAGES

French

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

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

3. Second Year French. Reading of standard authors, prose and

composition. First semester, five hours.

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

Spanish

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

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

THE ACADEMY

GENERAL INFORMATION

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

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

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

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

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

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

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

Home Economics. The Domestic Science Course (Home Economics A) is elementary cooking. One-half unit. One hour lecture and six hours' laboratory. Fee, \$3.50. The Domestic Art Course (Home Economics B) includes elementary sewing; open to Academy girls and to those College girls who have not had high school sewing. One-half unit. One hour lecture and six hours' laboratory.

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

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

Plan of Work. Students in the Academy are expected to take four subjects, which is sufficient for the ordinary student. Mature students who are in good health and who maintain the average grade of B during their first semester will be permitted to take five subjects, so long as they can maintain that grade of work. In this manner the fifteen units re-

quired for admission may be completed in three years. It is possible for strong students who spend four years in the Academy to take some college subjects during the last year and enter the College with some advance credits. Many of the students desire to take Music or Expression.

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

COURSES OF INSTRUCTION

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

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

COLLEGE PREPARATORY COURSE.

First Year

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

Second Year

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

Elective Subjects:

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

Third Year

English	E	English	F
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Elective Subjects:

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

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

Fourth Year

All the subjects are elective.

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

With the consent of the registration committee any of the follow-

ing subjects may be chosen: College Algebra, Plane Trigonometry; Chemistry 1; Mechanical Drawing 1, 2; English 1, 2; History 1, 2; Economics 1, 2; History 1A, 1B; Biblical Literature 1, 3, 4, 6, 7; Home Economics 3; Modern Languages.

COMMERCIAL COURSE

First Year

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

Second Year

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

Third Year

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

Fourth Year

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

THE CONSERVATORY OF MUSIC

GENERAL INFORMATION

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

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

Requirements for Admission

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

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

Requirements for Graduation

The Degree Course:

English, ten hours;

A modern language, twenty hours;

Harmony, two lessons a week, four semesters;

Counterpoint, two lessons a week, two semesters;

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

Harmonic Analysis, two lessons a week, first semester;

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

Musical Appreciation, one lesson a week, two semesters;

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

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

Teachers' Certificate Course:

Harmony, two lessons a week, four semesters;

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

Harmonic Analysis, two lessons a week, one semester;

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

Applied Music, two lessons a week, six semesters.

The student must also take the courses in Psychology, Methods of Teaching, and must take normal training for two semesters, doing practical 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. Not more than twelve hours' credit in all, however, may thus be earned. 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. One hour credit each semester.

COURSES OF INSTRUCTION

Piano-Forte

In modern piano-forte playing, a systematically developed technical foundation is the first requisite. Our teachers accomplish this by the use of carefully selected and graded exercises and studies. The easier works of the old masters and modern European and American writers

are used in connection with these studies. Especial attention is paid to the pupil's conception of the music, phrasing, rhythm, tone and technical accuracy.

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

Organ

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

Violin

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

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

Voice

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

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

Public School Music

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

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

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

Harmony

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

Counterpoint

The principles of harmony are applied to the 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 indispensable for any musician, as a masterpiece can only be understood when the life, habits and environment of the composer are well known.

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

Harmonic Analysis

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

Form and Composition

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

Musical Appreciation

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

OTHER MUSICAL ADVANTAGES

Ensemble—Classes in Piano-forte

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

This work is required of all pupils sufficiently advanced.

Music Study Class

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

Oratorio Society

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

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

Male Quartet and Acappella Choir

A male quartet and an acappella choir are also organized every year for the purpose of studying the more brilliant and lighter works of the masters, and for the purpose of acquiring a higher degree of perfection than can be attained by a big oratorio chorus, and lastly to furnish music for various public events of the school year.

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

Recitals

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

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

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

The College Orchestra

The college orchestra furnishes valuable opportunities for study, practice, and ensemble playing to students who are working on string and wood instruments. Instruction in orchestra is free, although students who join the organization will be expected to attend all rehearsals, practices, and chapel services, 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, Mand Powell, St. Paul Symphony Orchestra with their soloists.

EXPENSES

Voice, two 30 minute lessons a week for one semester.....	\$50.00
Voice, one 30 minute lesson a week for one semester.....	27.00
Piano, Mrs. Utz, two 30 minute lessons a week for one semester.....	48.00
Piano, Mrs. Utz, one 30 minute lesson a week for one semester.....	22.00
Piano, Miss Forbes, two 40 minute lessons a week for one semester.....	57.00
Piano, Miss Forbes, one 40 minute lesson a week for one semester.....	27.00
Violin, Mr. Kendrie, one 30 minute lesson a week for one semester.....	18.00
Harmony, one semester.....	18.00
History of Music, one semester.....	5.00
Harmonic Analysis, one semester.....	18.00
Form and Composition, one semester.....	18.00
Public Schools Methods, one semester.....	18.00
Musical Appreciation, one semester.....	4.00

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

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

Akeda, Shumichi, Tokyo, Japan.
Bailey, Hattie Irene, Ottawa.
Baldwin, Verda May, St. Louis, Mo.
Benjamin, Lillian F., Norfolk, Nebr.
Cross, John Milton, Ottawa.
Cross, Letta Barker, Ottawa.
Dominick, Mrs. Carroll, Ottawa.
Hayward, Gern A., Ottawa.
Hudson, Jessie, Ottawa.
McGroarty, Bernice, Ottawa.

Juniors

Ashley, Clinton Hayes, St. John.
Baljeat, Frances Michel, Blue Mound.
Barnard, Mamie, Peoria, Illinois.
Cameront, Alma, Cedar.
Clark, Margaret Eleanor, Ottawa.
Clinton, Jean, Clay Center.
Forrest, Nellie Frances, Takamah, Nebr.
Gandy, Ruth Sarah, Ottawa.
Gelso, Glenn Donald, Marion.
Halkett, Walter Pieries, Pella, Iowa.
Hudson, Lelella, Ottawa.
Jewell, Carrie, Mt. Hope.
Johnson, Paul Ernest, Oakland, Nebr.

Sophomores

Allan, Eugene Cleve, Coffeyville.
Burford, Thomas Maynard, Marion.
Caldwell, Little Ruth, Broughton.
Car, Dorothy Grace, Dumont, Pa.
Clark, Grace Pearl, Reading.
Cochran, Claude, Vinton, Iowa.
Conner, Alta, Monroe, Iowa, Nebr.
Crail, Frank William, Natoma.
Crawford, Bertha Marie, Ottawa.
Daly, John Francis, Fremont, Nebr.
Deake, Doris Ladore, Ottawa.
Easler, Gladys Marie, Ottawa.
Evans, Max Rosa, Washington.
Flood, Mildred James, Somers, Nebr.
Foster, George Clarence, Alta Vista.
Gordon, Ann Louise, Independence.
Goodman, Paul Rose, St. John.
Hann, Mabel Lillian, Ottawa.
Hargrave, Mabel Virginia, Ottawa.
Hegler, Nettie Ruth, Greensburg.
Hortigale, Elsie Mary, Yates Center.
Hewett, Eliza Roberta, Wellsville.
Hicks, Mary Grace, Calumet, Okla.
Hicks, Ruth Oliver, Calumet, Okla.
Johnson, Dora Nellie, Alta Vista.
Johnson, Metta, Alta Vista.

Freshmen

Adams, Helen, Kansas City, Mo.
Allison, Merle Eustis, Grand Valley, Colo.
Anastasi, Hazel Mildred, Williamsburg.
Antoni, Grace Frances, Oberlin.
Banta, Helen Martha, Oberlin.
Bengtsson, Esther Lianna, Ottawa.

*Deceased.

Davis, John Solomon, Williamsburg.
 Downey, Edmund Clifford, Chancery.
 Durst, Marguerite Anna, Ottawa.
 Edmunds, Louise Martha, Grand Island, Neb.
 Ellensberger, Dolores Rebecca, New Mass-
 mora, Ohio.
 Ellensberger, Glenda Quintilla, New Mass-
 mora, Ohio.
 Everingham, Sarah Billy, Ottawa.
 Field, Carl Burroughs, McPherson.
 Garnett, Gladys Hazel, Kansas City.
 Gartt, Helen Madge, Ottawa.
 Gault, Ralph, Richmond.
 Hartley, Ward De Low, Ottawa.
 Hegberg, Boad Royal, Ottawa.
 Hennings, Joseph Raymond, Yatton Center.
 Heritage, Herbert Garfield, Yatton Center.
 Hogan, John Walker, Ames, Ia.
 Houston, Marion Francis, Sterling.
 Hughes, Ethelma Gertrude, Hazel.
 Hubert, Helen Theresa, Pratt.
 James, Edward Carl, Lorraine.
 Jones, Donald Margaret, St. Joseph, Mo.
 Johnson, Ollie Mabel, Clinton.
 Johnson, Ruth Elizabeth, Ottawa.
 Johnson, Ruth Victoria, Clinton.
 Johnson, Lynd, Ottawa.
 Jordan, Nell, Freepet.
 Klause, Alvin Frederick, Cedar Vale.
 Lane, Velma Irene, Ottawa.
 Larmer, Don Ronces, Willmore.
 Lindquist, Dorothy Anna, Kansas City.
 Lueking, Margaret Anita, Council Grove.
 McBrian, Ralph, Sedan.
 McGeough, Jessie, Kansas City.

Special

Pennington, Mrs. Hattie, Ottawa.
 Sample, Letta Edenheuer, Ottawa.

STUDENT ARMY TRAINING CORPS

Allen, Eugene Clyde, Cofferville.
 Allison, Merle Reed, Grand Valley, Colo.
 Arnold, Jack Howard, Agricola.
 Daniels, Paul Redick, Fairview.
 Blair, Wayde, Lawrence, Ottawa.
 Brondum, Fred, Williamsburg, Ottawa.
 Burch, Harold Ellington, Pueblo, Colo.
 Burford, Thomas Maynard, Milton.
 Butler, Herschel Oliver, Millville, Colo.
 Carey, Charles Jennings, Ottawa.
 Carter, Winnie Harold, Burlingame.
 Compton, Tom Ollie, Ottawa.
 Cook, Edward Donald, Washington.
 Davis, John Solomon, Williamsburg.
 Davis, Ralph Martin, Ottawa.
 Dennis, Arthur James, Ponca.
 Dickson, Cyril Porter, Fowler, Colo.
 Elliott, Ora Quincy, Sterling.
 Embry, Charles Ola, Garner.
 Field, Carl Burroughs, McPherson.
 Fisher, Other Harry, Washington.
 Flory, Margaret Jean, Summer, Nebr.
 Floyd, Cecil Safford, Ottawa.
 Fugle, Daniel H., Williamsburg.
 Foster, George Pleasant, Alta Vista.
 Frey, Clement Leslie, Ottawa.
 Gates, Harry Jay, Ottawa.
 Grant, John Emmet, Ottawa.
 Gregg, Leslie Monroe, Princeton.
 Golton, Glenn Donald, Milton.
 Hannock, George, Cherryvale.
 Hancock, Gene Nelson, Cushing.

*Deceased.

Martin, Frank Leman, Williamsburg.
 Maxwell, Mildred Irene, Ottawa.
 Mire, Lois Frances, Princeton.
 Parsons, Guy Kenneth, Duncan, Okla.
 Paul, Joseph Augustus, Ottawa.
 Payne, Myrtle Sam, Ponca.
 Perrinsel, Laura Louise, Onaga.
 Potter, Isabel Carrie, Nampa.
 Rodgers, Roy Elwin, Ottawa.
 Solo, Otto Millo, Ottawa.
 Roper, Herbert Ernest, Belgrave.
 Seaver, Frank, Williamsburg.
 Shuter, Monte Barbara, Lincoln, Okla.
 Smith, Eleanor Beverly, Ottawa.
 Sonnenberg, Olella May, Ottawa.
 Spradling, Zella, Independence.
 Stein, Rachel, Smith Center.
 Stewart, Orpha Ruth, Ottawa.
 Stucker, Dorothy, Ottawa.
 Swindom, Ethel, Clay, Norwich.
 Tietje, Josephine, Ottawa.
 Todd, Gerold Lloyd, Williamsburg.
 Traulier, Jessie, Oberlin.
 Vincent, Esther Wilma, Greencreek.
 Walters, Alta Leona, Ottawa.
 Ward, Marquette Florilla, Loma, Calif.
 Wells, Glen Eddy, Ottawa.
 Williams, Julia Anna, Richmond.
 Williamson, Anna Marie, Ottawa.
 Wilson, Lucile Marie, Mount Valley.
 Wimmer, Edna Estelle, Ottawa.
 Wiss, Helen Eva, Mount Valley.
 Wissman, Mildred Carrie, Iola.
 Wimmer, Guy Halbert, Ottawa.
 Wolast, Dewey Earl, Alta Vista.
 Worthington, Paul Jefferson, Ottawa.

Richardson, Frederick Ross, Agricola.
 Robbie, Perry Franklin, Mind, Nebr.
 Roehl, Herbert Ernest, Belgrave.
 Shriver, Merritt Bergstrand, Lamont, Okla.
 Smiler, Clarence Benjamin, Wellsville.
 Stegeman, Josiah G., Ottawa.
 Steiner, Pearl Burton, Wellsville.
 Stoecker, Edwin Gordon, Ottawa.
 Swinhart, Elisha Clay, Norwich.
 Todd, Oscar Lloyd, Williamsburg.
 Veach, George Addison, Eureka.
 Waddell, James Ray, Ottawa.
 Wimfrey, Paul, Winslow.
 Wolast, Dewey Earl, Alta Vista.
 Wolast, Edwin Leonard, Alta Vista.

OF OTTAWA UNIVERSITY

ACADEMY

Fourth Year

Poole, Bertha Elizabeth, Princeton.
 Decima, Flora Myrtle, Clements.
 Deacon, Paul Marjorie, Colony.
 Dennis, Herbert John, Topeka.
 Elliott, Louis Amo, Ottawa.
 Fisher, Fred Leila, Ottawa.
 Floyd, Cecil St. John, Ottawa.
 Fugle, Daniel H., Williamsburg.
 Gregg, Florence, Ottawa.
 Knecht, Forrest Henley, Ottawa.
 McDonald, Ethel Fern, Homewood.
 McDaniel, Ethel Fern, Homewood.

Third Year

Cary, Charles Jennings, Ottawa.
 Cummings, Fred E., Kansas City.
 Davis, Evelyn, Princeton.
 Dennis, Arthur James, Ponca.
 Fancher, Wilma Gwendolyn, Ottawa.
 Gillette, Gertrude Alice, Ottawa.

Second Year

Arnold, Howard Jack, Ottawa.
 Dennis, Fred Albert, Chicago, Ill.
 Eller, Frank Marshall, Steamboat, Colo.
 Frazee, James Hogart, West Line, Mo.
 Herzing, Anna Marie, Yatton Center.
 Hooley, Alice Louise, Ottawa.
 Jackson, Vicki Constantine, Ottawa.
 Mathias, Pearl, Ottawa.

First Year

Bennett, Grace Marie, Ottawa.
 Bennett, Phyllis Arthur, Ottawa.
 Biddle, Harry Albert, Pueblo, Colo.
 Bremner, Anna Marie, Franklin, Mo.
 Brewster, Albert Henry, Lindsay, Okla.
 Miller, Eunice Emily, Princeton.
 Moody, Herbert Robert, Milford.

Special

McCann, Kay Norris, Kourney, Nebr.

CONSERVATORY OF MUSIC

Piano

Alex, Bertha, Ottawa.
 Ames, Bette, Ottawa.
 Black, Louise, Ottawa.
 Blunt, Dorothy, Ottawa.
 Barnes, Mamie, Ottawa.
 Bunn, Mrs., Ottawa.
 Coad, Francis, Ottawa.
 Crawford, Gertrude, Williamsburg.
 Coyle, Esther, Ottawa.
 Cleveland, Clydie, Ottawa.
 Dean, Evelyn, Ottawa.
 Dammast, Jean, Clay Center.

Dubar, Nell, Ottawa.
 Doty, Louise, Ottawa.
 Day, Carl, Kansas City, Mo.
 Drake, Violet, Ottawa.
 Ellenberger, Deborah, Ottawa.
 Ellensberger, Glenda, Ottawa.
 Edwards, Mrs. F., Ottawa.
 Fife, Dorothy, Ottawa.
 Groble, Edythe, Garner.
 Gracie, Neddy, Garner.
 Gladstone, Mary, Ottawa.
 Goodman, Paul, St. John.

Gingrich, Mildred, Ottawa.
Hegberg, Margaret, Ottawa.
Hicks, Carol, Ottawa.
Hiles, Amelia, Ottawa.
Hayward, Vicki, Ottawa.
Hedstrom, Thelma, Ottawa.
Johnson, Anna, Alta, Vista.
Klasse, Alva, Cedarvale.
Lister, Evelyn, Ottawa.
Lamb, Mary, Ottawa.
Lind, Nellie Marie, Ottawa.
McDonald, Eileen, Ottawa.
McLaughlin, Betty, Ottawa.
McCune, Jessie, Ottawa.
Martin, Mrs. Chas., Ottawa.
Martin, Mrs. Fred, Ottawa.
Mohar, Geraldine, Ottawa.
Price, Eveline, Coffeyville.
Penny, Jane, Ottawa.
Payne, Aldyth, Ottawa.

Voice

Allen, Clyde, Coffeyville.
Ashton, Gertrude, Ottawa.
Bennet, Elizabeth, Ottawa.
Blunt, Dorothy Viola, Ottawa.
Boyington, Wanda Mae, Ossawatomie.
Chambers, Wanda, Wilmette.
Corsi, Frances L., Ottawa.
Cook, Mrs. C. L., Ottawa.
Cook, Kathryn, Ottawa.
Dow, Mrs. D. M., Coffeyville.
Denton, Pauline, Mrs., Colony.
Dunham, Minnie, Winchita, Kan.
Edwards, Mrs. F. A., Ottawa.
Ellenberger, Delores, Ottawa.
Ellenberger, Glenda, Ottawa.
Ellenberger, Mrs., Ottawa.
Graves, Neddy, Garnett.
Harris, Mrs. Fred, Ottawa.
Hettick, Bernice A., Williamsburg.
Hougaard, Georgia, Ottawa.
Johnson, Paul E., Oakland, Calif.
Jewell, Carrie, Mount Hope.
Johnson, Irene C., Coffeyville.
Kelly, E. H., Kansas City, Mo.
Keller, Mrs. R. M., Kansas City, Mo.
Kibbe, Alice, Ottawa.
Knabe, Lillian, Gardner.
Laird, Nellie Marie, Ottawa.
Lindgren, Dorothy A., Kansas City, Kan.

Violin and Cello

Colter, Eva.
Drake, Doris, Ottawa.
Elliott, Allyn, Princeton.
Kleinsinger, Clarence, Ottawa.
Nelson, Mary, Ottawa.
Parshley, Emma, Ottawa.
Potts, Blanche, Ottawa.

Harmony and Other Musical Courses

Barnes, Mrs. O. E., Ottawa.
Burg, Mrs. Mabel, Ottawa.
Crawford, James, Gland.
Denton, Paul M., Colony.
Elder, Rosamund, Bedford.
Ellenberger, Delores, Ottawa.
Ellenberger, Glenda, Ottawa.
Goodman, Paul, St. John.
Gunn, Kathryn, Ottawa.

Holo, Letha, Ottawa.
Holo, Orlo, Ottawa.
Rogers, Vern, Smith Center.
Spence, Margaret, Ottawa.
Spencer, Frances, Ottawa.
Schroneau, Paul, Ottawa.
Sovrea, Carol, Ottawa.
Sommer, Carol, Ottawa.
Shaner, Helen, Ottawa.
Shannon, Dorothy, Ottawa.
Sperry, Marle, Beverly.
Starns, Ruth, Ottawa.
Stucker, Dorothy, Ottawa.
Tullous, Katherine, Kinston.
Van Voest, Iva, Carlton.
Van Meter, Gladys, Ottawa.
Ward, Marguerite, Lindsay, Calif.
Westerv, Mary Ellen, Ottawa.
Young, Sunshine, Ottawa.

SUMMARY OF STUDENTS

College

Seniors	21
Juniors	54
Sophomores	82
Freshmen	4
Special	—

186

Student Army Training Corps

Academy

Fourth Year	21
Third Year	12
Second Year	16
First Year	12
Special	2

64

Conservatory of Music

Piano	62
Voice	57
Violin and Cello	12
Harmony	18

151

Grand Total	150
Repeated Names	94
Net Total	56

88

DEGREES, DIPLOMAS, PRIZES AND HONORS AWARDED IN MAY, 1918

DEGREES IN COURSE

Bachelor of Arts

Charles William Alfred
Phyllis Davenport Clappard
Beatrice Maude Collins
Grace Marie Easter
Leona Johanna Ehrlich
Georgia May Ferkner
Lydia Frances Gish
Frank Alfred Jones
Mary Josephine Hostetter
Frank Alfred Jones
Mary Gertrude Mayer

Myrtle Mario Merridith
Eva Gwendolyn Martin
Edna Wheeler Mitchell
Grace Elizabeth Powell
Beatrice May Pulley
Sarah Margaret Schuman
Martha Criqui Skidmore
Mary Alice Thomas
Clarice Maude Trendley
Natalie Beatrice Winter
Elizabeth Lewis Whitsitt

Bachelor of Science

Merrill Leon Dubach
Beatrice Howard Holt
Alfred William Miller

Chester Bea Morgan
Isaac Newell Morgan
Elsie Marie Umstot

Honor Graduates

Beatrice Maude Collins
Frank Alfred Jones

Clarice Maude Trendley
Elsie Marie Umstot

DIPLOMA IN THE CONSERVATORY OF MUSIC

Voice Course

Emma Josephine Slater

DIPLOMAS IN THE ACADEMY

Helen Adams
Ethel Marie Cole
Beatrice Marie Cudworth
Marguerite Anna Duret
Claude Stanley Flora
Inez Mary Flora
*Edna Ethel Green
Ward Delwin Hartley
Marion Francis Houston

Helen Theresa Hulbert
Dorothy Anna Lindgren
Joseph Augustus Paul
*Cecil Crossman Ponter
Lois Estella Phelps
*Mabel Wilson
Guy Halbert Wimmer
Edna Bailey Wimmer

*Candidates whose work is incomplete.

CLASS HONORS

Seniors

First Honors
Phyllis Davenport Clappard
Georgia May Ferkner
Frank Alfred Jones
Martha Skidmore
Clarice Maude Trendley
Elsie Marie Umstot

Second Honors
Beatrice Maude Collins
Lydia Frances Gish

Juniors

First Honors
Dorothy Constance Stratton

Second Honors
Bernice Evangeline Fichter
Oliver Franklin Potter
Mary Jessie Skidmore

First Honors

Iona Dunnant
Nellie Frances Force
Adah Lucile Lee
Perle Raymond Means
Laura Elizabeth Barnes
Robert Josephine Spalding

Second Honors

Francois Mabel Balyeat
Ruth Sarah Gentry
May S. Henderson
Carrie Jewell
Bernice Irene Lirengod
William Henry Stevley

Freshmen

First Honors
Jessie Ruth Ayrault
Lillian Ruth Caldwell
Edith Leona Kibbe
Mabel Elizabeth Michay
Harold Wesley Shuster
Joseph Edgar Stonecipher

Second Honors
Vera Irene Brown
Mass Rosa Evans
Mabel Lillian Hall
Lillian Ida Kinderdick
Agnes Elizabeth Lake
Anna Evadene Price

PRIZES AWARDED MAY, 1918.

Debate Prize, First—Dorothy Constance Stratton,

Debate Prize, Second (Divided)—
Merrill Leon Dubach

Honorable Mention—Lydia Frances Gish

Freshman Declamation Prize, First—Alice Edna Winkley

Freshman Declamation Prize, Second—Bernice Marie Crawford

Freshman Latin Prize, (divided)—
Lillian Ida Kinderdick

Academy English Prize—Guy Halbert Wimmer

Entomology Prize, First—Mrs. Letta Ramp Cross

Entomology Prize, Second—Jennie Hudson

Scholarships Awarded for 1918-19.

Fibson-Shoemaker Scholarship—Adah Lucile Lee

Fern Willis Scholarship—Edith Leona Kibbe

Alumni Scholarship—John Henry Powell

Academy Scholarship—Claude Stanley Flora

University of Kansas Scholarship for 1919-20—Blanche Anna Marie Potts.

THE ALUMNI ASSOCIATION

Officers for 1918-1919

President	Rev. Edgar Hallock, Pittsburg, 1914
Vice President	Dr. Louis Floyd, Elgin, 1903
Secretary	Mabel Stannard, Ottawa, 1912
Treasurer	Claire Estabrook, Ottawa, 1905

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

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

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

Class Memorials

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