BULLETIN
OF
OTTAWA UNIVERSITY
OTTAWA, KANSAS

CATALOG EDITION, 1918-1919
ANNOUNCEMENTS FOR 1919-1920
THE UNIVERSITY CALENDAR

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.
6:00 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.
5:15 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.

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.
THE ANNUAL CATALOG

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
BIRCH SWENSON, Clay Center
F. H. STANNARD, Ottawa
A. E. WILLIS, Ottawa

Term Expires June, 1921
G. W. CASSIDY, Wichita
C. Q. CHANDLER, Wichita
H. W. COLE, Hutchinson
C. F. LAMB, Ottawa
W. P. LAMBERTON, Fairview
J. V. MITCHELL, Ottawa
WILLIAM MOORE, Anthony
ARVIN S. OLIN, Lawrence
W. A. SMITH, Hays

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. MOISE, Phillipsburg
R. W. RAMSAY, Atchison

Term Expires June, 1922
H. C. DALE, Yale, Okla.
W. A. ELLIOTT, Ottawa
P. O. EGGHELM, Ottawa
J. A. MCDERMOTT, Winfield
C. A. SMART, Ottawa
L. R. SPADLING, Independence
ROBERT STONE, Topeka
C. G. WEST, Emporia
R. S. MICKEY, Merrill

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 R. 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.
§FRED H. McCLAIR, B. S., Professor of Physics.
¶FORREST A. KINGSMORE, A. M., Professor of Education and Philosophy.
ROWLAND HENRY RITCHIE, A. M., Professor of English Language and Speech.
A. A. SCHABINGER, A. B., B. S. 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. THORSTENBERG, Ph. D., Professor of History and Political Science.
LINA TULLOCH, B. S., Instructor in Home Economics.
NIELSON D. SCHUPPACH, B. S., Acting Professor of Chemistry.
MRS. ETHEL CLEVELAND, Physical Director of Women.
LUTHER R. HOGAN, A. M., Acting Professor of Philosophy and Education.
JOHN W. QUIN, Ph. D., 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. MAREL BURG, A. B., Instructor in Commercial Subjects.
MRS. PAUL R. UTT, Teacher of Piano and Organ.
LUCY K. FORBES, Mus. B., Teacher of Piano.
FRANK M. KENDRICK, Teacher of Violin.
ELIZE M. EMSTOT, 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, Thorstenberg, 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, the physical laboratory, the library, society halls, rest room for ladies, and thirteen recreation 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 microtomes including a new Minot instrument, paraffin bath, glassware, stains, chemicals and mounting media are a part of the Histology equipment. The General Biological and Zoological laboratory contains Balsam and many fine lantern slides, microscopes and microscopic slides, manikins, Pilling's Blood Pressure apparatus, Haemagglutinometer, 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, dropper, graduated cylinder, gas bottles, wash bottles, rubber stoppers, clamps, etc., seventy-five pieces of apparatus valued at $9.00. The General Biological and Zoological laboratory contains with thirty-five reagent bottles, assorted beakers, flasks, porcelain ware, test tubes, thermometer, platinum wire, etc., eighty-five pieces valued at $12.50. The laboratory is supplied with gas generators, a water still, and side shelf reagents. Chemically pure reagents are provided for the entire work of this course.

For the work in 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 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 apparatus similar to that provided for the elementary course in this subject but more complete.

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

Physics.—The department occupies two rooms in the basement of University Hall. The larger one is 60 feet square and is the main laboratory and lecture room, and contains a large dark room for experimental work in optics. The laboratory is supplied with water, gas, and electric circuits for dealing with both direct and alternating currents, and with stone pier and shelves, giving instrument support free from vibration. The pier is of solid oak and is provided with lights. In addition, 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 the 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's balance, one cathetometer, one spectrometer (Societe Generale), two spectrometers, five D'Arsonval galvanometers, ten resistance boxes, one Wheatstone bridge, five galvanometers, one filament lamp, one motor-generator set, one seventeen-watt power generator, one 1 kw. rotary converter, one three-fourths horse power direct current motor, five transformers, one wireless outfit, two hand power generators, one water motor, two Geryk air pumps, one Schmidt and Haensch polariscope, twelve D. C. and A. C. ammeters, voltmeters, wattmeters, one standard condenser (Leeds and Northrup), one earth inductor, an optical dye, 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 spectrosphere for demonstrating sodium 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 Garvey engineer's transit with vertical circle and stadia wires; a Keuffel and Esser engineer's Y level: a Wille 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 15000 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 student classes. This collection amply supplies much needed material for economic as well as biological study and research. The donor, Mr. F. F. Crevecoeur of Oronza, also presents the college with a fine herbarium of flowering plants from the middle west. This herbarium is being augmented by Miss Grace McEwen 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 ........................................... $11.00
Incidentals, each Semester ....................................... 2.00
Library Fee, each Semester ....................................... 1.50
Student Entrance Fee, each Semester ......................... 1.00

Board and Room. A large majority of the students occupy rooms and
board with families in the city. A list of approved rooms is kept
in the University office. Several boarding clubs are formed each year.

Young ladies who desire to board in one of the 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 is $5.50 or $5.25 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 linen.

Financial Aid. Approved students for the ministry who are in the
third year in the Academy or above may expect to receive aid equal to the
funds from designated for that purpose. Children of ministers
actually engaged in the ministry will receive a concession of one-half the
funds. There are about twenty endowment scholarships, each of which
provides for the tuition of one student. The Women's Educational So-
ociety 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, thus enabling several students to 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 9, each ....................... 1.00
Biological courses, 1 and 9, each ............................ 1.00
Chemistry, 1, 2, 3, each ......................................... 2.00
Chemistry, 1, 2, 3, each ......................................... 2.00
Chemistry, 4 ......................................................... 2.50
Chemistry, 5 ......................................................... 2.50
Chemistry, 6 ......................................................... 2.50
Chemistry, 7 ......................................................... 2.50
Chemistry, 10 ....................................................... $1.50 per credit hour

Home Economics A, Academy course .................................. 3.50
Home Economics, 1 .................................................. 3.50
Home Economics, 2 .................................................. 3.50
Home Economics, 3 .................................................. 3.50
Home Economics, 4 .................................................. 3.50
Physics, 1, 2, A, B, C, D, each .................................. 2.00
Physics, 1, 2, A, B, C, D, each .................................. 2.00
Physiology .............................................................. 2.00
Surveying .............................................................. 2.00
Typewriting ........................................................... 2.00

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

Tennis Fee. This fee is required only of those who use the University
courts, and is $1.00 per semester.

Graduation Fee. For every degree conferred by the College of Lib-
eral 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 fol-
rows: 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 $5.00 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.

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
group.

The H. O. Slocomb Fund of $1,000.
The Fern Willis Memorial Scholarship Fund of $1,000.
The Mrs. Blanchard Fund of $807.50.
The Wilson-Shoemaker Memorial Scholarship Fund of $1,000.
The George S. Holm Memorial Scholarship Fund of $700.
The Octavia Reed Scholarship.
The Harriet Chase Scholarship.
The James M. Chase Scholarship.
The Lucea M. and William F. Holt Scholarship.
The Institute of Education Scholarship.
The Simon Cole Scholarship.
The Peter and Matilda Bollinger Scholarship.
The Pearl H. Kellogg Scholarship.
The Harry W. and Jennie M. Grass Scholarship.
The G. D. Russell Scholarship.
The Theodore F. and Cynthia E. Bradbury Scholarship.
The Alfred B. and Elfie P.,Nes Scholarship.
The Edwin and Louisa Potter Scholarship.
The Sarah E. and Eliza E. Alderson Scholarship.
The R. W. Tate Scholarship.
The M. L. Ward Memorial Scholarship, founded by the Alumni As-
sociation of Ottawa University.
The Merrick K. Harper Endowment (not yet available).
The Prof. and Mrs. M. L. Ward Scholarships (not yet available).

University Scholarships.—The Trustees will grant a scholarship cov-
tering tuition for one year in the College to each accredited High School
and one who is admitted 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. McEwan, secret-
ary of the Kansas College Presidents' Association. Blankets for this pur-
purpose may be secured from the local schools or from Prof. McEwan,
Washington College, Topeka.
The Grover Cleveland Library Fund of $1,000.
The Becker Library Fund of $500.
The E. R. Chandler Library Fund of $1,000.
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 Philathenian and Olympian—have fine halls in which weekly meetings are held. The Academy also has a literary society.

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

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

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

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

REQUIREMENTS FOR ADMISSION

In harmony with the other accredited colleges in Kansas, Ottawa University requires fifteen units for unconditional admission to the College of Liberal Arts. This unit is best used as 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; French, 1 to 4 units; German, 1 to 4 units; Italian, 1 to 3 units; Spanish, 1 to 3 units.

Group III. Mathematics: Minimum, 2 units. Elementary Algebra, 1 unit; Plane Geometry, 1 unit; Solid Geometry, 1 unit; Advanced Algebra, 1 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 4 units; Civics, 1 or 4 units.

Group V. Science: Minimum, 1 unit. Physical Geography, 1 or 4 units; General Science, 1 or 4 units; Physics, 1 unit; Chemistry, 1 unit; Botany, 1 unit; Elementary Biology, 1 unit; Zoology, 1 unit; Physiology, 1 unit; Forging, 1 or 4 units.

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 4 units; Secretography, 1 unit; Commercial Law, Commercial Geography, Psychology, Methods and Management, History of Commerce, Typewriting, each 1 unit; Forging, 1 or 4 units.

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

At least three units must be presented in some group other than Group 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 conditionally 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. Credits for college work for a complete year English, German, or French; 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. One 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 credits 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 six and fourteen units for admission. He will be classified as Sophomore when he has made up the deficiency in entrance credits and has completed not less than twenty semester hours of work; as Junior when he has completed fifty hours of work; as Senior when he has completed eighty hours of work.

REQUIREMENTS FOR GRADUATION

Groups of Subjects

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

1. English Language and Literature.
2. Ancient Languages—Greek and Latin.
3. Modern Languages—German, French and Spanish.
5. Physical Sciences—Physics, Chemistry and Geology.
8. Philosophy, Psychology and Education.

Required Work

In the Freshman and Sophomore years at least five semester hours of work must be taken from each of four groups. Before graduation at least five semester hours must be taken in each of 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-
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. 3, 4. Old Testament History. The beginnings of early Old Testament times. The founders, rulers and crises of Israel. First and second semesters, two hours each.
3. The Apostolic Age. Second semester, three hours.
7. The History of the Bible. The sources of the Old Testament; how the New Testament came to be written; the compiling of the Bible; its translations and versions. First semester, two hours.
10. Religious Education. This course aims to give a broad vision of truth and service, to suggest means for consecration and to discuss the enlarged program of the church. Second semester, two hours.
14. The Wisdom Literature of the Bible. The books of Job, the Proverbs and the Psalms. Second semester, two hours.
15. The Psychology of Religion. The sources of religion, the idea of God, religion as an 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, Vertebrae. Prerequisite, Course 3 or one year of high school Zoology. Course 4 alternates with Course 10. Given in 1919-1920. First 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.
12. Bacteriology. Prerequisite, Course 5 or an equivalent. Second semester, two hours.
15. Biology Teacher’s Laboratory Course. Prerequisites, Courses 2, 3, 4, 5, 6, 7, 8 and 10. Course 15 alternates with Course 9. Given in 1919-1920. First semester, three hours.
16. 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 the elements, their chemistry, 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. Quantitative 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.


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.


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

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


10. The History of Business. Second semester, two hours.

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


13. Labor Problems. First semester, three 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 28 hours in the special branch in which certificate is desired (such as Commercial branches, Music, Physical Training, etc.) and three hours each in General Psychology, Methods, and School Management.

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.


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 Languages, 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.


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. 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.


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


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

15. English Literature, 1532-1592. The leading essays of Malory, Carlyle, Ruskin, Arnold, Newman, Pater and Stevenson. Prerequisite to Course 15. First semester, three hours.


17. Contemporary Drama. American and European, from Ibsen to the present. For advanced students in literature. First semester, two 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 at graded difficulty. First and second semesters, 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.

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 two years 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.


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.

30. 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 use 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. Prerequisites, high school sewing. Two hours recitation and six hours laboratory. First semester, four credits.


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


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.


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

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


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 8.

Students are urged to observe the following order in choosing courses: for Freshmen, College Algebra, Plane Trigonometry, Plane Analytic Geometry; for Sophomore, 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.

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

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

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

7. University Algebra. Prerequisite, Course 7. First semester, two hours.

8. Integral Calculus. Prerequisite, Course 8. Second semester, three hours.


10. Differential Equations. Prerequisites, Courses 7 and 8. First semester, three hours.

11. Theory of Equations. Prerequisites, Courses 7 and 8. Second semester, three hours.

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

13. Descriptive Astronomy. First semester, two hours.

MUSIC

A certain number of courses in the Department of Music will be counted towards a Bachelor's degree in the case of students of collegiate rank. Not more than 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.

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

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


5. Logic. First semester, two hours.

6. Social Psychology. First semester, two hours.

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


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

PHYSICS


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

Physics A and B are the regular courses offered in the fourth year of the curriculum, and should be elected by all freshmen who desire to major in the field of science. 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.

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


6. Dynamo Laboratory. An experimental course for the purpose of illustrating the principles of direct current dynamo machinery. Co-ordinate with Course 4. Second semester, four hours. Two credits.

ROMANCE LANGUAGES

French


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.


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 $2.50. 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 col-
lege 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 mem-
ship 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 indi-
cates 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

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>A</td>
</tr>
<tr>
<td>Latin</td>
<td>A</td>
</tr>
<tr>
<td>Ancient History</td>
<td>A</td>
</tr>
<tr>
<td>Algebra</td>
<td>A</td>
</tr>
</tbody>
</table>

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 C, Bookkeeping D, Typewriting D.

Third Year

| English                | E               | English                | F               |


With the consent of the registration committee certain other sub-
jects 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, Virgil          | H               |
| Zoology                | A               | Zoology                | B               |
| Commercial Geography   | A               | Commercial Law         | B               |
| Bookkeeping            | A               | Bookkeeping            | B               |
| Music or Drawing       | A               | Music or Drawing       | B               |
| Shorthand              | A               | Shorthand              | B               |
| Civics                 | A               | Civics                 | B               |
| Typewriting            | A               | Typewriting            | B               |
| Home Economics A       | A               | Home Economics A       | 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

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>A</td>
</tr>
<tr>
<td>Algebra</td>
<td>A</td>
</tr>
<tr>
<td>History</td>
<td>A</td>
</tr>
<tr>
<td>Penmanship and Spelling</td>
<td>A</td>
</tr>
</tbody>
</table>

Second Year

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

Third Year

| Bookkeeping            | A               | Bookkeeping            | B               |
| English                | E               | English                | F               |
| Elect three from the following:
  Latin, Caesar         | C               | Latin, Caesar          | F               |
  Solid Geometry         | E               | Solid Geometry         | F               |
  Botany                | A               | Botany                 | B               |
  Medieval History       | C               | Medieval 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 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, aesthetic, 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;

Form and Composition, two lessons a week, four semesters;
Harmonic Analysis, two lessons a week, six semesters.

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

The entrance requirements for this course are the same as those under the degree course.

Public School Music Course:

Harmony, two lessons a week, four semesters;
History of Music, two lessons a week, two semesters;
Public School Music Methods, two lessons a week, four semesters;
Musical Appreciation, one lesson a week, two semesters;
Piano, two lessons a week, two semesters.

Voice, two lessons a week, four semesters.

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

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

College Credits

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

A certain number of courses in the Conservatory of Music will be counted toward a Bachelor's degree in the College. 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 45 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-Fortz

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. Special 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 theroly 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 masterwork can only be understood when the life, habits and environment of the composer are well known. The term "History of Music" will be employed in a broad sense of the word, as more than the biography of a musician is aimed at. Two lessons a week.

**Harmonic Analysis**

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

**Form and Composition**

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

**Musical Appreciation**

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

**OTHER MUSICAL ADVANTAGES**

Ensemble—Classes in Piano-forte

Ensemble classes are organized yearly. Four, six and eight hand transcriptions are played for the development of sight reading at the instrument, and thereby to gain a knowledge of symphonic literature. This work is required of all pupils sufficiently advanced.

**Music Study Class**

The Music Study Class is 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.
THE ANNUAL CATALOG

Recitals

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

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

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

The College Orchestra

The college orchestra furnishes valuable opportunities for study, practice, and ensemble playing to students who are working on string and wind 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 Epling, Frieda Langendorf, 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: $25.00
Piano, Miss H. St. Jt., two 30 minute lessons a week for one semester: $40.00
Piano, Mrs. M. St. Jt., one 30 minute lesson a week for one semester: $25.00
Piano, Miss Forbes, two 40 minute lessons a week for one semester: $75.00
Piano, Miss Forbes, one 40 minute lesson a week for one semester: $50.00
Violin, Mr. Kendz, one 30 minute lesson a week for one semester: $50.00
Harmony, one semester: $50.00
History of Music, one semester: $50.00
Harmonic Analysis, one semester: $50.00
Form and Composition, one semester: $50.00
Public Schools Methods, one semester: $50.00
Musical Appreciation, one semester: $50.00

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 charge without notice.

REGISTER OF STUDENTS

COLLEGE

Seniors

McKnight, Helen Burke, Ottawa.
Park, Agnes Marie, Needham.
Feltz, Emma Mary, Hutchinson.
Foster, William Franklin, Ottawa.
Potts, Blanche Anna Marie, Ottawa.
Schrader, Susan, St. John.
Smith, BridgeWright, Ottawa.
Spradling, Helen Katherine, Independence.
Stryker, Ralph A., Wellston, Ohio.
Thomas, Lawrence Clifford, Clay Center.

Juniors

Johnson, Alice Louise, Grand Island, Nebr.
Jordan, Gladys, Fremont, Nebr.
Livegwood, Bertha Irene, Richmond.
Lowe, Myrtle Ann, Cairo, Nebr.
Lynn, Robert Henry, Ottawa.
Miller, Emma Helen, Ottawa.
Park, Helen Lucile, Needham.
Powell, John Henry, Lyndon.
Ramsay, Laura Elizabeth, Leavenworth.
Ritter, Pauline Frances, Atchison.
Strong, Curtis McKay, Grand Island, Nebr.
Van Asken, Ors Irene, Galena.

Sophomores

Jones, Edward Newton, Downs.
Koehn, Colma Belle, Ottawa.
Kibbe, Edith Leon, Ottawa.
Kirkland, Gladys, Fremont, Nebr.
Kindeer, Lilian E., Abilene.
Lake, Agnes Elizabeth, Winfield.
MacMahan, Marie Elizabeth, Merrill.
Murphy, John Wallace, Concordia.
Plumlee, Henry Howard, Kansas City, Mo.
Pruett, George Edwin, Galena.
Potter, Samuel Bert, Rifle, Colo.
Prince, Anna Evolve, Coffeyville.
Robinson, Paul Francis, Mead, Nebr.
Schupp, Carley, New York, Ill.
Shattuck, Gordon Ivel Coalwell, Caleo, Nebr.
Shaw, Harold Wheeler, Wiat, Okla.
Sk柬埔寨, Lois Lurie, Ottawa.
Stevens, Mildred Fern, Pomona.
Socol, Martha Laura, Miami, Okla.
Stucker, Edith Gordon, Ottawa.
Thomas, Irma, Oxford, Nebr.
Trower, Mabel Elizabeth, Wichita.
Williams, Clara Ellen, Ottawa.
Winkler, Alice, Galena.
Wolfe, Rhoda Agnes, Ottawa.
Wolfgang, Edwin Leonard, Alta Vista.
Wynne, Roy, Norton.

Freshmen

Adams, Helen, Kansas City, Mo.
Allison, Marie Bee, Grand Valley, Colo.
Anderson, Hazel Mildred, Williamsburg.
Banta, Grace Frances, Oceola.
Banta, Helen Martha, Oceola.
Bengaman, Esther Lienau, Ottawa.

*Deceased.
THE ANNUAL CATALOG

SUMMARY OF STUDENTS

College

Senior ............... 21
Junior ............... 29
Sophomore .......... 54
Freshman .......... 82
Special ............ 4

Total .................. 186

Student Army Training Corps

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

Total .................. 64

Conservatory of Music

Piano .................. 62
Voice .................. 57
Violin and Cello .... 13
Harmony .............. 18

Total .................. 151

Grand Total ........ 480
Repeated Names .. 94
Net Total ............ 386

Violin and Cello

Creedy, E. R., Ottawa.
Drake, Doug, Ottawa.
Eldridge, Alan, Ottawa.
Ehlenberger, Clarence, Ottawa.
Nelson, Mary, Ottawa.
Parsley, Emma, Ottawa.
Postis, Blanche, Ottawa.
Scott, James, Ottawa.
Scott, William, Ottawa.
Scott, Evelyn, Ottawa.
Shandall, Mabel, Ottawa.
Van Osdel, Miss, Ottawa.
Winnibay, Alice, Marion.

Harmony and Other Musical Courses

Barnes, Mrs. O. E., Ottawa.
Bury, Mrs. Mabel, Ottawa.
Crawford, Agnes, Girard.
Denton, Paul M., Colby.
Dyer, Rosamond, Bedfield.
Ehlenberger, Delores, Ottawa.
Winnibay, Alice, Marion.
Gunn, Mrs. Herbert, Ottawa.
Kepler, Nettie, Greensburg.
Johnson, Ruby, Clifton.
Johnson, Julia, Concordia.
Maxwell, Mildred, Ottawa.
McBride, Laura, Leesburg.
Simpson, Leo, Ottawa.
Van Osdel, Miss, Ottawa.
Van Voorst, Ira, Greyston.

Voice

Mansfield, Mrs. Frank R., Ottawa.
Maxwell, Mildred Irene, Ottawa.
Meuser, Laura, Fred.
McBride, Miss, Kananaskis.
McKee, Margaret J., Trenton.
Smith, Mary, Ottawa.
Winnibay, Alice, Marion.

 Jury, Root, Ottawa.

Music

Fugue, Faith, Ottawa.
Eklund, Laura Elizabeth, Leesburg.
Gorey, Frank J., Omaha.
Schupp, Carter H., Chicago.
Simpson, Leo, Kananaskis.
Skidmore, Lois, Ottawa.
Smith, Mary, Ottawa.
Spradling, Zella, Independence.
Sonneker, Ralph A., Wellston, Okla.
Stancher, Dorothy, Ottawa.
Swenson, Mildred, Clay Center.
Thompson, Mrs. Geo. P., Ottawa.
Trump, Maybell, Fort Worth.
Van Auken, Ors, Galena.
Walters, Alta, Leesburg.
Walker, Mary, Ottawa.
Wilson, Lucile, Nunda Valley.
Wilson, Helen, Mound Valley.
Winner, Miss, Ottawa.
DEGREES, DIPLOMAS, PRIZES AND HONORS
AWARDED IN MAY, 1918

DEGREES IN COURSE

Bachelor of Arts

Charles William Alfred
Phyllis Davenger Chaynost
Beulah Maude Collins
Grace Marie Easter
Loisa Johanna Kurlich
Georgina May Forner
Lydia Frances Gish
Frieda Clara Houfild
Mary Josephine Husseet
Frank Alfred Jones
Mary Gertrude Mayer

Myrtle Mario Merrith
Eva Gaynord Meritus
Rudolph Milton Mitchell
Grace Elizabeth Powell
Beulah May Pullity
Sarah Margaret Rahman
Martha Crispin Shidmore
Mary Alice Thomas
Carrie Maude Trendley
Stella Delores Walter
Elizabeth Louis Whittitt

Bachelor of Science

Merril Leon Dubach
Beatrice Howard Holt
Alfred William Miller

Chester Bea Morgan
Isaac Newell Morgan
Elsie Marie Unruh

Beulah Maude Collins
Frank Alfred Jones

Carrie Maude Trendley
Elsie Marie Unruh

Honor Graduates

DIPLOMA IN THE CONSERVATORY OF MUSIC

Voice Course

Emma Josephine Sater

DIPLOMAS IN THE ACADEMY

Helen Adams
Ethel Marie Cole
Beulah Marie Cudworth
Marguerite Anna Durst
Clara Stanley Flora
Homer Nunsnam Flora
*Edna Ethel Green
Ward Below Hartley
Marion Frances Houdson

*Candidates whose work is incomplete.

CLASS HONORS

First Honors

Bachelor of Arts

Phyllis Davenger Chaynost
Georgina May Forner
Frank Alfred Jones
Martha Shidmore
Carrie Maude Trendley
Elsie Marie Unruh

Beulah Maude Collins

Lydia Frances Gish

First Honors

Sophonores

First Honors

Jean Dumant
Nellie Frances Force
Addah Lucile Lee
Wilfrid Raymond Means
Laura Elizabeth Huns
Robert Josephine Spradling

Second Honors

Frances Mabel Baird
Ethel Sarah Gentry
May S. Hindman
Carrie Jewell
Bernice Irene Livingston
William Henry Sharyl

Freshmen

First Honors

Jessie Ruth Ayraut
Lilah Ralph Caldwell
Ethel Leona Kibbe
Mary Elizabeth Mickey
Herald Wesley Shurer
Joseph Edgar Stonemper

Second Honors

Vera Irwin Brown
Anna Renee Evans
Mabel Lillian Hall
Lillian Ada Kinderlack
Agnes Elizabeth Lake
Anna Errillana Price

PRIZES AWARDED MAY, 1918.

Debate Prize, First—Dorothy Constance Stratton.

Debate Prize, Second (Divided)—

Georgina May Forner
Merril 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—

Jessie Ruth Ayraut
Lillian Ada Kinderlack

Academy English Prize—Guy Halbert Wimmer

Entomology Prize, First—Mrs. Letta Ramp Cross

Entomology Prize, Second—Jennie Hudson

Scholarships Awarded for 1918-19.

Fisher-Shoemaker Scholarship—Addah 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, 1913
Secretary ..................... Mabel Stannard, Ottawa, 1912
Treasurer ..................... Claire Estabrook, Ottawa, 1916

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

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

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

Class Memorials

Class of 1892 ................. Oil portrait of Franklin Johnson, D. D.,
                      President of Ottawa University, 1890-92
Class of 1907 ................. Bas-relief of the Reverend Jenn
                      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 ................. $2,000.00 toward the Gymnasium
Class of 1914 ................. $1,400.00 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