Catalogue Number of Whitworth College
1930-1931

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Need for Christian Education

The eminent student of economics and statistics, Roger Babson, gives it as his judgment that "the need of the hour is not more factories or materials, not more railroads or steamships, not more armies or more navies, but rather more education based on the plain teaching of Jesus. We are willing to give our property, and even our lives, when our country calls in time of war, yet the call of Christian education is of even greater importance than was ever the call of army or navy. I say this because we shall probably never live to see America attacked from without, but we may at any time see our best institutions attacked from within. I am not offering Christian education as a protector of property, because nearly all the progressive and liberal movements of history have been born in the hearts of Christian educators. I do, however, insist that the safety of our sons and daughters, as they go on the streets this very night, is due to the influence of the preachers rather than the influence of the policemen and the lawmakers. Yes, the safety of the nation, including all groups, depends on Christian education."—From "Education by Contact" by Frederick E. Stockwell, D. D.
The College Year

The college year consists of thirty-six weeks divided into two semesters of two terms each. Tuition, fees, and room and board are payable on or before the first day of each term. No scholastic credit is given for less than a semester's work.

Calendar for 1930-31

FIRST SEMESTER

September
22 and 23, Monday and Tuesday, Registration
23, Tuesday, Class work begins
24, Wednesday, 9:40 a. m., Convocation

November
11, Tuesday, Armistic Day Program
21, Friday, First term ends

SECOND TERM

24, Monday, Second term resumes
27, Thursday, Thanksgiving, holiday

December
19, Friday, 3:30 p. m., Christmas recess begins
30, Tuesday, 8 a. m., Class work resumes

January
26-30, Monday-Friday, Examinations
30, Friday, Payment of fees for third term

SECOND SEMESTER

February
2, Monday, Registration for new students
2, Monday, Class work begins

April
2, Thursday, Third term ends

Payment of fees for fourth term
2-6, Thursday, 3:30 p. m.-Monday, 8:00 a. m.

Easter Recess
FOURTH TERM

April
6, Monday .................................. Class work resumes

May
1, Friday ................................... Investiture
31, Sunday .................................. Baccalaureate

June
1-4, Monday-Thursday ....................... Examinations
5, Friday, 10:30 a. m. ...................... Commencement

Board of Trustees

CLASS OF 1931
William L. McEachran, Chairman ........ Spokane
R. E. Porterfield, Secretary-Treasurer .... Spokane
Dr. E. T. Mathes ................................ Bellingham
Frank R. Fursey, M. D. .................... Spokane
Rev. David W. Ferry, D. D. ............... Yakima
Edward T. French .......................... Vancouver
L. G. Pattullo ................................ Seattle
C. M. Hull ................................... Yakima

CLASS OF 1932
Jay P. Graves ................................ Spokane
Hugh H. McMillan ............................ Davenport
Ralph Nelson ................................. Coeur d’Alene
Albert K. Arend ................................ Spokane
Rev. Frank E. Beatty ........................ Wenatchee
A. N. Corbin .................................. Wenatchee
Rev. Robert Cameron ........................ Aberdeen
John F. Reed .................................. Seattle

CLASS OF 1933
Rev. Mark A. Matthews, D. D. ............ Seattle
William S. Dudley ........................... Yakima
E. A. Lindsley ................................ Spokane
Rev. Frank C. McKean, D. D. .............. Spokane
Henry M. Hart ................................. Spokane
F. D. Cartwright ............................. Anacortes
E. N. Brooks ................................. Seattle
Executive Committee

William L. McEachran, Chairman — Spokane
R. E. Porterfield, Secretary-Treasurer — Spokane
Jay P. Graves — Spokane
E. A. Lindsley — Spokane
Rev. Frank Chalmers McKean, D. D. — Spokane
Albert K. Arend — Spokane
Henry M. Hart — Spokane
Frank R. Fursey, M. D. — Spokane
Ward W. Sullivan, President of College, Member Ex-officio of Board and all Committees.

Faculty

WARD WILLIAM SULLIVAN, Ph. D.
President — History and Political Science
A. B., A. M., Ph. D., University of Illinois. Graduate of Kansas State Normal School. Head of Department of History and Government, Fort Hays Normal School 1912-17; Associate Professor of History, Kansas University 1918-21; Assistant in Department of History, University of Illinois 1921-23; Head of Department of History and Political Science, Albany College 1923-29; Dean of Albany College 1924-1929.
Whitworth College 1929 — College Campus

FRANCIS TILEY HARDWICK, Ph. D.
Dean of the College — Education and Psychology
B. A., London, England, A. M., Ph. D., University of Washington; Postgraduate work, Universities Wisconsin, Chicago, and California; Professor of English, College Place Bel Air, Yverdon, Switzerland; Headmaster of Boys Secondary School, Clevedon, England; Head of the Department of Physics and Chemistry High School, Winona, Minn.; Superintendent of Public Schools, Waterville, Minn.; Principal, Junior High School, Everett, Washington; Extension Department, University of Washington; Department of Education, College of Puget Sound.
Whitworth College 1929 — Ballard Hall

*ALICE MORRISON, A. M.
Dean of Women — History and Political Science
A. B., Amity College; A. M., University of Washington.
Whitworth College 1925-1930 — McMillan Hall

*Resigned.
FACULTY

WILLIAM EDWARD ADAMS, A. M., M. O.

Dramatic Art and Public Speaking
A. B., A. M., Richmond College; B. O., M. O., Cleveland School of Oratory. Special courses in Dramatics and Expression in Alfred University and Hiram College. Instructor in Whitworth College 1916-18; Head of Department of Public Speaking Spokane University 1922-30. Eight years on the Chautauqua platform in United States and Canada. Whitworth College 1930—

FORD LAROY BAILOR, B. S.

Physical Education
B. S., Spokane University; Coaching Courses University of Illinois and Oregon State College; 1919-1922, Director of Boys’ work Y. M. C. A. Great Falls; 1922-23, Assistant General Secretary and Physical Director Y. M. C. A. Helena; 1922-25, Athletic Coach and Instructor in History, Intermountain Union College; 1925-29, Director of Physical Education and Instructor in History, Spokane University. Whitworth College 1929—

OTILIA BOETZKES, M. A.

Modern Languages
B. A., A. M., University of Washington; Diplome Superieure, University of Paris; Graduate Student at Universities of Chicago, Columbia, Grenoble, France, Jena, Germany; Assistant Professor of French and German, University of Washington; Professor of German, New York College, New York City. Whitworth College 1929—

WALTER HENRY BUXTON, A. M.

Mathematics
A. B., University of Nebraska; A. M., University of Oregon. Whitworth College 1923-1930.

JAMES WILLARD COUNTERMINE, A. M.

Biblical Education

*Resigned.
CHARLES WHERRY HAYS, A. M.
Classical Languages
Whitworth College 1925—
E. 3427-5th Avenue

HERBERT LEIGH HUSSONG, A. M.
Social Science
B. Ped., Fremont Normal; A. B., Fremont College; A. M., University of Oregon; Graduate work one summer University of California and one summer University of Washington. Instructor, Principal, and Superintendent Public Schools 1893-1909; 1913-1926. Instructor Utah Normal School 1910-13.
Whitworth College 1926—
Country Homes Estate

HELEN L. MAGILL, A. M.
English and Literature
Whitworth College 1930—

EVA MAUNUS, A. B.
Secretarial Courses and Registrar
A. B., Linfield College; Post Graduate work in the summer school at University of California 1928. Instructor in High School at Oakesdale, Washington, 1927-29; Spokane High School 1929-30.
Whitworth College 1930—

BENJAMIN CONRAD NEUSTEL, A. B.
Chemistry
Whitworth College 1928—

ETHEL L. OBERHOLSER, B. S.
Home Arts
B. S., University of Washington. Two years Graduate study with major in nutrition, Kansas State College. Study tour in

— 8 —
DAVID LIVINGSTONE SOLTAU, A. M.

Mathematics and Physics

B. S., A. M., Northwestern University; Graduate Student, University of Washington; Resident and Locating Engineer, Washington State Highway Department; Graduate Assistant, Physics Department, University of Washington; Private Civil Engineering Practice, Port Angeles, Washington; Engineer, Maintenance of Way Office, Northern Pacific Railway, Tacoma; United States Army, First Lieutenant and Captain, Air Service; Principal, Pyengyang Foreign School, Pyengyang, Korea; Treasurer and Professor of Physics, Union Christian College, Pyengyang, Korea; Architect, American Presbyterian Mission, Korea; Acting Professor of Physics, College of Puget Sound. Whitworth College 1930—

GRACE BLANCHE SOLTAU, A. B.

Director of Music

A. B., University of Washington; Teachers Diploma, Chicago Musical College; Private Study Voice, Pipe Organ, and Piano under Glenn Dillard Gun, Chicago; American Institute of Applied Music, New York; Sidney Lloyd Wrightson, Washington, D. C.; Chicago Musical College; Instructor in Piano, University of Washington; Pipe Organist, University Congregational Church, Seattle; Private Teaching, Voice and Piano, Tacoma, Washington, and Petersburg, Virginia; Instructor in Piano, Union Christian College and Pyengyang Foreign School, Pyengyang, Korea; Instructor in Piano, College of Puget Sound. Whitworth College 1930—

*LEONARD WYATT, M. A.

English

B. A., Centre College, Kentucky; M. A., Ohio State University. Graduate work at U. of Chicago. Whitworth College 1929-30.

*Resigned
Administration

WARD W. SULLIVAN ........................................ President
FRANCIS T. HARDWICK .......................... Dean of the College
*ALICE MORRISON .................................. Dean of Women
MRS. F. T. HARDWICK ......................... Hostess, Ballard Hall
EVA MAUNUS ........................................ Secretary and Bursar
W. L. KILLIAN ....................................... Field Representative
ELMER WHIPPLE ....................................... Custodian

Faculty Committees

for 1930-31

Administration—The President and the Deans.
Religious Activities—Countermine, Hays, Bailor, and Maunus.
Social Functions—Morrison, Bailor, (Mrs.) Hardwick, Oberholser, and Maunus.
Physical Education—Bailor, Neustel, Morrison, and Hussong.
Publications and Publicity—Magill, Mrs. Soltau, and Bailor.
Public Exercises—Hardwick, Countermine, Morrison, Hussong, and Mr. Soltau.
Student Activities—Hays, Hussong, Neustel, Mr. Soltau, and Countermine.
Credits and Grades—Dean of College, registrar, and secretary.
Chapel—Dean Hardwick, Countermine, Mrs. Soltau, and one representative from each class.
Dean Hardwick in absence of the president is ex-officio member of all committees.

*Resigned

— 10 —
A STRONG demand for private and Christian institutions of learning still persists despite the fact of the increasing support and patronage of state institutions. In the East the privately endowed institutions receive the majority of students attending colleges or universities. With the increase of wealth in the West the Christian colleges will be adequately endowed and the number of students attending them will constantly increase. Whitworth College will be no exception to this condition. It is meeting a real need, not only of the Presbyterians of the Washington Synod, but also of other denominations where along with the regular secular training required by the state there is added that religious training essential to the best citizenship. There is also an increasing desire on the part of Christian people of the State of Washington for an educational training of their young people that will strengthen them in the Christian faith.

Many thinking people believe that the right kind of environment and the right kind of associations are all important in the formation of the habits that determine Christian culture and living. They believe that the right environment and associations for Christian culture are found only in those institutions that hold firmly to the fundamental doctrines of the Christian faith. Whitworth College is preparing to meet this increasing demand on the part of the Christian people of the state.

Whitworth College is a Christian college on a Presbyterian foundation. It began as an Academy in Sumner, Washington, in 1884; it became a college in 1890. The College was removed to Tacoma in 1900 and to its present location in 1913. It is accredited by the State Board of Education.
PRESIDENTS OF WHITWORTH COLLEGE

*Amos T. Fox, February 2, 1890—September 9, 1890.
*Calvin W. Stewart, D. D., September 9, 1890—September 1, 1898.
*Robert Boyd, D. D., September 1, 1898—August 1, 1899.
*Franklin B. Gault, August 1, 1899—August 1, 1905.
Barend H. Kroeze, D. D., August 1, 1905—August 14, 1909.
B. Scott Bates, D. D., February 1, 1918—October 1, 1918.
Charles A. Barry, M. A., May 1, 1920—June 9, 1921.
Willard H. Robinson, Ph. D., June 9, 1921—April 4, 1923.
Walter A. Stevenson, D. D., August 11, 1923—July 1, 1927.
Orrin E. Tiffany, A. M., Ph. D., Acting President, July 20, 1927—July 1, 1929.
Ward W. Sullivan, A. M., Ph. D., July 1, 1929—

*Deceased.
LOCATION AND TUITION

TO REACH THE COLLEGE

Whitworth College is situated north of the city limits on the Colville Highway. Arrangements have been made with the Auto Interurban Company for transportation of students on school days, on the bus leaving the Bus Terminal on Trent Avenue near the depots at 7:25 a.m. The bus leaves the College at 3:30 p.m., for the city. The company runs a fine line of busses by the College from their Terminal, making three trips as follows: at 8:10 a.m., 1:40 p.m., and 5:30 p.m. The busses go by toward the city at 10:40 a.m., 2:15 p.m., and 6:40 p.m.

The College has special arrangements at favorable rates for the delivery of baggage. Students may bring their checks to the College office to insure prompt attention and delivery. Immediate needs should be provided by hand baggage. New students will be met at the depot upon request.

CAMPUS AND BUILDINGS

The College has a forty-acre pine-clad campus, surrounded by one hundred and fifty acres of beautiful, rolling natural forest, owned by the institution. The buildings consist of McMillan Hall and Murray Memorial Chapel, Ballard Hall, the gymnasium, the president's house, and two professors' cottages. The College has a library of nine thousand volumes. Chemistry, physics, biology, and home economics laboratories, adequate to meet the needs of the institution, are maintained. The administration offices are now in Ballard Hall.

ENDOWMENT

Besides the income from tuitions and fees Whitworth has a small productive endowment. A campaign has been under way for some time for the purpose of securing an adequate endowment. In the initial campaign the city of Spokane subscribed $91,000, a portion of
WHITWORTH COLLEGE

which has been paid in, and the balance is being paid according to the terms of the subscriptions. Likewise, the Synod of Washington has been making contributions from year to year for the support of the College. The Synod, which met at Everett in July, 1927, voted unanimously to back Whitworth permanently, both in buildings and for maintenance. Likewise the General Presbyterian Board of Education is contributing $5,000 per year to Whitworth College. The Board of Trustees has voted a budget of $60,000 to meet the needs of Whitworth for the coming year.

COLLEGE EXPENSES

I

The College year is divided into semesters of eighteen weeks each. For business purposes only, each semester is divided into two quarters of nine weeks each. All bills are payable in advance at the opening of each quarter. A student entering any time during the first month of the quarter will be charged tuition and fees for the whole quarter. Students withdrawing during a quarter will not be given a refund of fees. No reduction on board will be given for absences of less than one week. After the first week a reduction of $4.50 a week will be made on board.

II

QUARTERLY CHARGES:

Tuition, 8-15 hours $30.00
Room and Board (two in a room) 72.00
Incidental Fee 4.00
Library 3.50
Associated Students 3.00
Excess Hours, above 15, per hour 2.50
Students carrying less than 8 hours, per hour 4.00
Late Registration Fee 1.00
Single Room, extra 10.00
TUITION

SUMMARY OF YEARLY EXPENSES FOR DORMITORY STUDENTS:

<table>
<thead>
<tr>
<th>Expense</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$120.00</td>
</tr>
<tr>
<td>Room and Board</td>
<td>288.00</td>
</tr>
<tr>
<td>Special Fees</td>
<td>42.00</td>
</tr>
</tbody>
</table>

Minimum $450.00

SUMMARY OF YEARLY EXPENSES FOR OTHER STUDENTS:

<table>
<thead>
<tr>
<th>Expense</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$120.00</td>
</tr>
<tr>
<td>Special Fees</td>
<td>42.00</td>
</tr>
</tbody>
</table>

Minimum $162.00

The minimum expenses would be increased as the student participated in college activities beyond the normal load, such as, enrollment in extra hours, music lessons, or use of a single room, and so forth.

There is a matriculation fee of $5.00 payable by all entering students. This fee is paid but once.

Fees for music, laboratory, and some other courses are given under description of courses.

The Associated Students' Fund is used for athletics, debates, Christian service work, student publications, oratorical contests, etc., on vote of the student representatives, subject to the approval of the dean of the college or a faculty committee.

III

<table>
<thead>
<tr>
<th>Service</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room only, per week (two in a room)</td>
<td>$2.50</td>
</tr>
<tr>
<td>Board only, per week</td>
<td>5.50</td>
</tr>
<tr>
<td>Single meals, breakfast or lunch</td>
<td>.40</td>
</tr>
<tr>
<td>Dinner</td>
<td>.60</td>
</tr>
</tbody>
</table>

IV

A discount of one-third of the tuition will be given to sons and daughters of clergymen of any denomina-
tion engaged in regular work. This does not apply to tuition in music or any other special fees.

Arrangements have been made with the Auto Interurban Co. for the transportation of students living in Spokane at a cost of $8.00 per quarter (less than nine cents per ride) which is less than cost. This special bus leaves the Trent Avenue depot at 7:25 a. m. and the College at 3:30 p. m. on school days.

PERSONAL EXPENSES EXTRA

Students using extra lights and electrical appliances will be subject to regulation and charges.

No student will be given a transcript of grades or a diploma until all college bills are paid.

V

Students not residents of Spokane, unless living with relatives or working for their board and room, live in the college dormitories.

Dormitory students are expected to provide:

1. Three table napkins.
2. A napkin ring.
3. Three sheets, approximately 1 1/2 by 2 1/2 yards.
4. Two pillow-slips, a pillow and a bedspread.
5. The necessary blankets, comforters, towels, bureau covers, curtains, rugs, and individual drinking cup.

Some laundry may be done in the dormitories by the students, subject to the dormitory regulations.

Bedding should be sent several days in advance, by parcel post, addressed to the owner, at Whitworth College. The college cannot supply students with bedding.
SELF SUPPORT

No capable young man or woman in good health, who is determined to secure a college education, need fail in the attempt. Opportunities for work in town occur chiefly in domestic and office assistance, personal service of various kinds, canvassing, clerking and manual labor. The college employs a limited amount of help; and any money earned for services rendered the College during the first, second, or third quarters will be allowed on the bills of the second, third or fourth quarters. The student should be prepared to pay in full all fees including room and board, and books, for the first quarter—about $130.00 in all, for dormitory students. In the case of students who are wholly self-supporting the College reserves the right to limit the number of hours carried to one hour less of class work for each three hours per day of outside work.

SCHOLARSHIPS AND PRIZES

A limited number of scholarships are available under certain conditions of scholastic attainment and Christian character. In 1929-30 the following were given:

1. The Alaskan scholarship of $60.00 given to a young man who is a member of the Presbyterian Church.
2. The James Silliman scholarship of $50.00 given to a worthy student.
3. The McClure tuition scholarships of $300.00.
4. The Eggert Scholarship of $60.00.

Beginning with 1928-29 the “Freshman Oratorical Contest” was established with the first and second prizes of $10 and $5, respectively, provided by Rev. W. L. Killian, D. D., of Davenport.

Beginning with 1929-30 there will be an annual prize of ten dollars ($10) offered for the best original
WHITWORTH COLLEGE

piece of written work appearing through the year in either the Whitworthian or the Natsihi, the same to be decided by a committee of the faculty appointed by the president of the college. This will be known as “The Freddie and Sallie Prize” and will be furnished by Phillip Laurie and Lillian G. Brown, both of the class of 1928.

Through the generosity of the Rev. and Mrs. Hedley A. Vicker and Mrs. Gertrude Mather, a loan fund has been established from which students may be given provisional short-time loans.

Through the generosity of a friend of youth in the Northwest provision has been made for loans to worthy students who can give good security on their notes.

STUDENT ORGANIZATIONS AND ACTIVITIES

1. The Students’ Association is the general organization of the student body. Voting members are those who have paid all their fees for the quarter. Membership entitles the student to a subscription to “The Whitworthian,” admission to games played on the home grounds, and a voice in the regulation and promotion of the student association activities. The president and the vice-president of this association are chosen annually from the two upper classes of the College.

2. The Volunteer Fellowship includes those students whose present purpose is to prepare for Christian service.

3. The Gospel teams are composed of students who do Sunday deputation work, holding meetings in various churches, teaching in Sunday Schools, helping in the organizing of young people’s societies for churches, and doing other Christian work off the college grounds.

4. The Whitworth Glee Club is a musical organization composed of both men and women.
5. The Whitworth orchestra is also a musical organization composed of both men and women.

6. The French Club is composed of people who are especially interested in using the French language in conversation and who wish to combine this with social functions.

7. The Dramatic Club was organized to promote interest in dramatics and foster individual training in this field of expression.

8. "The U. K. E." is the name of a musical club organized to stimulate the social spirit and to provide entertainment for fellowship and booster programs.

9. Inter-scholastic debates and oratorical contests are encouraged and participated in by Whitworth students.

10. The Men's W Club consists of the letter-men in athletics. Its chief interest is the promotion of the athletic interests of the institution.

11. The Women's Athletic Association is an organization of the younger women of the college who are interested in hiking, indoor baseball, basketball, volleyball, and tennis. This is carried on in conjunction with the work outlined and supervised by the director of physical education.

12. The College is a member of the Columbia Valley Inter-Collegiate Conference and is conducting its athletics under the eligibility rules of that organization. Each student to be eligible to an athletic team, or to any extra-curricular activity, must carry twelve hours of work and his grade points must equal his semester hours. All college athletics are under the supervision of an athletic director and a committee on athletics.

13. Whitworth Honor Club. The faculty may by a three-fourths majority vote elect annually a limited number of students as members of the "W. H. C."
Such elected students must have shown evidence of outstanding merit toward the College and its activities and spirit. Members of the Club may secure and wear the "W. H. C." pin.

Owing to the limited number of students and the advisability of offering equal social opportunities to all, Whitworth has decided to exclude fraternities and sororities for the present.

**RELIGIOUS LIFE**

Religious life at Whitworth College is inspirational and helpful. The Bible is one of the text books of the institution and every student includes certain Bible courses in his requirements for graduation. Each day a brief Chapel is held which every student attends. Many prominent speakers were secured to give addresses at the college during the year.

All students are expected to attend two religious services each Sunday, one of which should be a regular preaching service. Whitworth community supports a Sunday School service and students are cordially invited to attend. The students conduct a Wednesday evening prayer meeting. A Christian Endeavor meeting is held in the College Chapel Sunday evenings. All dormitory and nearby resident students are expected to attend unless attending church elsewhere.

**SOCIAL LIFE**

There are many enjoyable recreational and social events scattered throughout the year, such as: student mixers, faculty receptions, all-Whitworth day, the Hallowe'en party, the Colonial party, and the girls' April frolic, besides various class functions and other social events and entertainments. Most Friday evenings are reserved for social functions. The life of the students in the dormitories is particularly friendly and wholesome.
ADMINISTRATION OF THE CURRICULUM

TO NEW STUDENTS

Students coming to Whitworth College for the first time should plan to come Monday, the opening day of the semester, in order to conclude all necessary arrangements before class instruction begins. Reservation of rooms should be made in advance through the College office. Upper classmen will be given preference in the matter of room assignments. All students must be prepared to pay all bills of the first quarter in advance. Young women expecting to live in the dormitory should report direct to the dean of women upon arrival, and the young men to the dean of men. Others report first to the office.

ADMINISTRATION

College regulations are for the purpose of co-ordinating the life of the students in such a way as to insure scholastic efficiency and wholesome and enjoyable community life. The care which a college throws around its students is an index of its cultural status.

The interest and co-operation of the student himself is enlisted in every way possible in support of the ideals of the institution. Conduct which marks and distinguishes the cultured man or woman, together with a proper reverence for the Christian ideals of the College, is expected of every student.

Each student organization selects, and reports its selection to the dean of the college, a member of the faculty as an honorary member to advise with the organization and faculty in promoting mutual understanding and the best interests of the institution.

Mixed dancing, the use of playing cards, gambling, and smoking are not allowed on the campus.

Dormitory regulations cover such matters as study hours, order in the halls and rooms, absence from the campus, chaperonage, parties on the campus, and student conduct in general.
Day students are not permitted to visit or to study in the dormitories without consent of the dean in charge.

The College reserves the right to exclude students whose conduct is considered out of harmony with the standards of the institution.

**GRADES AND POINTS**

Grades: A represents 100-96; B, 95-88; C, 87-78; D, 77-70; I, Incomplete; F, Failure; and W, Withdrawal.

Points: A counts 3; B, 2; C, 1; D, 0; W, 0; I, 0; and F,—1. Perfect chapel attendance counts 1.

An "Incomplete," if made up within the following semester of residence, will receive the number of grade points corresponding to the final grade given. If not made up within that semester, it becomes an "F." A "W" will be granted to a student who withdraws from class, providing he is making a passing grade in that subject at the time of his withdrawal and has written permission from the instructor and the dean of the college. Otherwise he will be marked "F" in the subject.

**ATTENDANCE**

Each student is granted an "excused absence" by the Dean of the College according to the number of hours in the course, i. e., 2 for a 2-hour course, 3 for a 3-hour course, etc., for the semester. For these absences, no grade points will be deducted, provided the work is made up to the satisfaction of the instructor in charge. All other absences will be unexcused by the Dean, except in cases of sickness and those of special duty for the College. This regulation applies to Chapel attendance.

Students wishing to procure an excuse for absenting themselves from class or from chapel will present in
writing, within twenty-four hours after their return to college, their reasons for absence, as follows: women to the dean of women, and men to the dean of the College.

Students receiving excuse slips will present them to their respective instructors on their return to class.

The action of the deans will be final in each case.

SCHOLARSHIP AND REPORTS

Parents or guardians of Freshmen or special students will be notified of unsatisfactory or failing work at the end of the first nine weeks of each semester, and any student failing in two-thirds of his class work will be automatically dropped from the college at the end of the term. At the end of the sophomore year a student whose grade points do not equal his semester hours may be dropped from college.

HONORS

Four classes of honors are recognized at Whitworth College.

1. Term and semester honors: Granted to students carrying fourteen semester hours of work and making twenty-nine grade points. Students carrying more than fourteen semester hours must make two additional points for each additional semester hour, in order to win honors. Perfect chapel attendance adds one grade point for the semester.

2. Class honors: The class receiving the highest general average for the term will be entitled to receive the W. L. McEachran Class-Trophy to hold for the succeeding term.

3. Year honors: Granted to students making first and second semester honors entitling such student to honorable mention at commencement exercises.

4. Graduation honors: A student will be graduated cum laude if he has won an average of two grade points;
magna cum laude if he has won an average of two and one-half grade points; and summa cum laude if he has won an average of two and nine-tenths grade points. To win graduating honors a student must have been in residence at Whitworth three of his four college years. The required points are based on 124 semester credit hours for graduation.

ADMISSION REQUIREMENTS

Graduates of accredited high schools are admitted to Freshman standing in the college without examination. Other credentials will be considered on their merits. Students who are found deficient in studies regarded as basic to the degree they desire to elect must remove such deficiency by the method suggested by the dean of the College.

On or before registration the student must present or have sent to the College a testimonial of good character from his school principal or his church pastor and a transcript of all subjects pursued in his high school course, together with a statement or other evidence of graduation.

Thirty high school credits are required for entrance. A credit stands for five recitations or laboratory periods per week pursued for a semester. Recitation periods of 45 minutes, laboratory periods of 90 minutes and a semester of 18 weeks are considered minimum requirements.

The following subjects are the usual requirements for entrance to colleges of the Northwest Association, and the same is required for entrance to Whitworth:

1. Three years of English ............................................. 6 credits
2. Two years of Mathematics:
   Algebra .......................................................... 2 credits
   Plane Geometry .................................................. 2 credits
3. Two years of Foreign Language .............................. 4 credits
ADMINISTRATION OF THE CURRICULUM

4. One year in American History and Government ........................................ 2 credits
5. One year in a laboratory science ........................................ 2 credits
6. Twelve additional credits from subjects accepted by an accredited high school. Not more than eight credits may be offered from vocational subjects.

Definite laboratory work is required in biology, chemistry, and physics.

Deficiencies in foreign languages and laboratory science may be added to the curriculum prescription and college credits will be given for such courses, providing thirty high school credits have been presented for entrance. Other deficiencies must be made up without college credit.

REQUIREMENTS FOR GRADUATION

The College year is divided into two semesters of eighteen weeks each. A semester hour consists of one hour per week of lecture or recitation pursued for a semester. Two to three hours of laboratory work is equivalent in credit to one hour of lecture or recitation. One hour of lecture or recitation pre-supposes at least two hours of preparation on the part of the student.

Fifteen hours is the usual load carried in the collegiate department. Without special action of the faculty a student may not carry more than sixteen hours of college work, except in case of honor students, who may carry eighteen hours.

In order to graduate, a student must earn at least 124 semester hours of college credit, and he is also required to earn an equal number of grade points.

SPECIAL REQUIREMENTS

The following courses are required of all students who expect to receive a college degree:
English 1 and 2 required in the Freshman year .......................... 6 hours
WHITWORTH COLLEGE

Orientation required in the Freshman year 2 hours
Laboratory Science (Chemistry, Biology, or Physics) 8 hours
History or Social Science 6 hours
Foreign Language (See note) 6 hours
Biblical Education 8 hours
Psychology 3 hours
Philosophy 2 hours
Physical Education 4 hours
Upper division courses, at least 40 hours

NOTE—Students entering College without any foreign language (Latin, Greek, French, German, or an equivalent in language) are required to take two years of foreign language in college. Students entering with two years of foreign language in high school will be required to take one year of foreign language in college.

MAJORS

The student must elect a major course not later than the close of the Sophomore year. A major shall consist of not less than twenty-four nor more than forty hours in any one department. The head of the department in which the student is majoring acts as adviser to that student. Majors in the following departments lead to the A. B. degree: Biblical Education, Classical Languages, Education, English, History, Modern Languages, Music, and Social Science; B. S. degree: Biology, Chemistry, Home Arts, and Mathematics.

MINORS

The student must elect a minor study which is to be approved by the head of the department in which the major is taken. A minor consists of not less than sixteen hours.

CLASSIFICATION

Students credited with a minimum of the following semester hours will be promoted to a higher classification:

Freshman to Sophomore, 28 hours and 28 grade points.
ADMINISTRATION OF THE CURRICULUM

Sophomore to Junior, 60 hours and 60 grade points. Junior to Senior, 90 hours and 90 grade points.

DEGREES GRANTED

The degrees of Bachelor of Arts and Bachelor of Science are granted, according to the courses pursued.
Vocational and Pre-Professional Courses

Primarily Whitworth College is a Liberal Arts institution giving a broad, cultural background for a virile Christian citizenship. At the same time the curricula are so arranged that its students are trained for definite vocations such as Teaching, Business, Civil Service, Music, Journalism, Physical Education, Home Arts, and Director of Religious Education. Provision is also made to prepare those students who desire to go into some technical work to get an adequate Pre-Professional training. Pre-Professional courses are offered in Theology, Law, Medicine, Pharmacy, Dentistry, Nursing and Engineering in its several branches. Full four years of study are required for the vocational courses completed at Whitworth College. The Pre-Professional courses may be completed in two years, but the tendency is in the better class of professional schools, especially Law, Medicine, and Theology, to require a full four years course in the Liberal Arts college. If the student has determined which profession he wishes to enter, his college course at Whitworth can be arranged accordingly.

The following Vocational and Pre-Professional courses may be had at Whitworth College:

Vocations for which students may be prepared:
Teaching
Business
Civil Service
Music
Journalism
Physical Directors
Home Arts
Directors of Religious Education
ADMINISTRATION OF THE CURRICULUM

*Pre-Professional Courses:*
- Theology
- Law
- Medicine
- Pharmacy
- Dentistry
- Nursing
- Engineering

Courses in all these subjects will be outlined for students in conference with the Dean and the heads of the various departments as shown in the following schedules. One year non-credit courses in Typing and Short-hand are offered to all students desiring them.

**BUSINESS ADMINISTRATION**

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>Old Testament History</td>
<td>2</td>
</tr>
<tr>
<td>Mod. Language or Math. 3 or 4</td>
<td></td>
</tr>
<tr>
<td>Prin. of Economics</td>
<td>3</td>
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<tr>
<td>Geography of Commerce</td>
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</tr>
<tr>
<td>Physical Education</td>
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<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Economic Problems</td>
<td>3</td>
</tr>
<tr>
<td>Business Law</td>
<td>2</td>
</tr>
<tr>
<td>Psychology</td>
<td>3</td>
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<tr>
<td>Mod. Language or Science 3 or 4</td>
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<tr>
<td>Physical Education</td>
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**SOPHOMORE YEAR**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Corporation and Administra-</td>
<td>3</td>
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<tr>
<td>Financial Organization</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td></td>
</tr>
<tr>
<td>Economic History of U. S.</td>
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<tr>
<td>Mod. Language or Science 3 or 4</td>
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<td>Electives</td>
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**JUNIOR YEAR**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Marketing</td>
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<tr>
<td>Labor Problems</td>
<td>3</td>
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<td>Advanced Accounting</td>
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— 29 —
### Pre-Dental Course: Freshman Year

<table>
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<tr>
<th>Subject</th>
<th>Hours</th>
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<tbody>
<tr>
<td>English</td>
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</tr>
<tr>
<td>General Chemistry</td>
<td>4</td>
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<tr>
<td>Zoology</td>
<td>4</td>
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<tr>
<td>Old Testament History</td>
<td>2</td>
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<tr>
<td>Economics</td>
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<tr>
<td>Physical Education</td>
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<table>
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<tr>
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<tbody>
<tr>
<td>English</td>
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<td>4</td>
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<tr>
<td>Zoology</td>
<td>4</td>
</tr>
<tr>
<td>Old Testament Literature</td>
<td>2</td>
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<tr>
<td>Economics</td>
<td>3</td>
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<tr>
<td>Physical Education</td>
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</table>

### Sophomore Year

#### First Semester

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Physics</td>
<td>4</td>
</tr>
<tr>
<td>Organic Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Sociology</td>
<td>3</td>
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<tr>
<td>Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td></td>
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<tr>
<td>Electives</td>
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#### Second Semester

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics</td>
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<tr>
<td>Organic Chemistry</td>
<td>4</td>
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<tr>
<td>Sociology</td>
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<tr>
<td>Electives</td>
<td></td>
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<tr>
<td>Physical Education</td>
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</table>

### Pre-Engineering Course

The following courses are recommended for entrance to all engineering schools.

#### Freshman Year

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Old Testament History</td>
<td>2</td>
</tr>
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</table>

#### Second Semester

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Old Testament Literature</td>
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### Administration of the Curriculum

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Mathematics 11 and 12</td>
<td>5</td>
</tr>
<tr>
<td>Engineering Drawing</td>
<td>2</td>
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<tr>
<td>Physical Education</td>
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</table>

### Sophomore Year

#### First Semester

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculus</td>
<td>3</td>
</tr>
<tr>
<td>Physics</td>
<td>4</td>
</tr>
<tr>
<td>Surveying</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
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<tr>
<td>Electives</td>
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#### Second Semester

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Calculus</td>
<td>3</td>
</tr>
<tr>
<td>Physics</td>
<td>4</td>
</tr>
<tr>
<td>Surveying</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td></td>
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<tr>
<td>Electives</td>
<td></td>
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</tbody>
</table>

### Pre-Medics Course

With Major in Chemistry Leading to B. S. Degree

The following four-year curriculum meets all requirements for graduation and for entrance to the best medical schools.

### Freshman Year

#### First Semester

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>History or Mathematics</td>
<td>3 or 4</td>
</tr>
<tr>
<td>German or French</td>
<td>4</td>
</tr>
<tr>
<td>Old Testament History</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
<td></td>
</tr>
</tbody>
</table>

#### Second Semester

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>History or Mathematics</td>
<td>3 or 4</td>
</tr>
<tr>
<td>German or French</td>
<td>4</td>
</tr>
<tr>
<td>Old Testament Literature</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
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### Sophomore Year

#### First Semester

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qualitative Analysis</td>
<td>3</td>
</tr>
<tr>
<td>German or French</td>
<td>3</td>
</tr>
<tr>
<td>Zoology</td>
<td>4</td>
</tr>
<tr>
<td>Psychology</td>
<td>3</td>
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<tr>
<td>Physical Education</td>
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<tr>
<td>Electives</td>
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#### Second Semester

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qualitative Analysis</td>
<td>3</td>
</tr>
<tr>
<td>German or French</td>
<td>3</td>
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<tr>
<td>Zoology</td>
<td>4</td>
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<tr>
<td>Physical Education</td>
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<tr>
<td>Electives</td>
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### Junior Year

#### First Semester

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organic Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Physics</td>
<td>4</td>
</tr>
<tr>
<td>Economics</td>
<td>3</td>
</tr>
<tr>
<td>Biblical Education</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
</tr>
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#### Second Semester

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organic Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Physics</td>
<td>4</td>
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<tr>
<td>Physiological Chemistry</td>
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<td>Biblical Education</td>
<td>2</td>
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<tr>
<td>Electives</td>
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## SENIOR YEAR

### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacteriology</td>
<td>3</td>
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<tr>
<td>Economics</td>
<td>3</td>
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<tr>
<td>Quantitative Analysis</td>
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</tr>
<tr>
<td>Electives</td>
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### SECOND SEMESTER

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Embryology</td>
<td>3</td>
</tr>
<tr>
<td>American Government</td>
<td>3</td>
</tr>
<tr>
<td>Quantitative Analysis</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
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## PRE-PHARMACY COURSE

### FRESHMAN YEAR

#### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Language</td>
<td>4</td>
</tr>
<tr>
<td>Economics</td>
<td>3</td>
</tr>
<tr>
<td>Old Testament History</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
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#### SECOND SEMESTER

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Language</td>
<td>4</td>
</tr>
<tr>
<td>Economics</td>
<td>3</td>
</tr>
<tr>
<td>New Testament History</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
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## SOPHOMORE YEAR

#### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Organic Chemistry</td>
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<td>Qualitative Analysis</td>
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<td>Physical Education</td>
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#### SECOND SEMESTER

<table>
<thead>
<tr>
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<tbody>
<tr>
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<tr>
<td>Physical Education</td>
<td></td>
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<tr>
<td>Electives</td>
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</table>
COURSES OF INSTRUCTION

DESCRIPTION OF COURSES

Departments are arranged in alphabetical order. The list of courses numbered from 1 to 49 are courses open primarily to Freshmen and Sophomores and are designated as lower-division work. The courses listed as 50 or above are open in most all cases only to Juniors and Seniors and constitute upper-division work. Odd numbers, as a rule, refer to first semester courses, and even numbers to second semester work. The term “hour” means a semester hour of credit. Laboratory courses involve from two to three hours of laboratory work for one semester hour of credit. Courses starred not given in 1930-31.

BIBLICAL EDUCATION

Major, required courses: Biblical Education 3, 4, 5, 6, 51, 53, and 62. In addition to the special requirements for graduation, major students are required to take History 1 and 2, Sociology 1 and 2, Economics 3 and 4, Public Speaking 1 and 2, and Foreign Language fourteen hours.

3. OLD TESTAMENT HISTORY Two hours

The object of this course is to orientate the student toward the English Bible, as to where, how and when we got our Bible. Following this a short introduction of the different books of the Old Testament. The course closes with an outline history of the beginning of life and its organization; the importance and place of God’s direct dealings toward man, and man’s duty toward God.

4. OLD TESTAMENT LITERATURE Two hours

With a knowledge of Course No. 1 the student is ready to appreciate the beauties and worship of Hebrew poetry, and the general meaning of the messages of the prophets. The course closes with a careful study of one of the prophets, perhaps Amos or Isaiah, as time permits.

5. ORIENTATION IN NEW TESTAMENT Two hours

The course begins with an over-view of the New Testament and the background of the Messiah. Following this will be an outlined study of the contents of the Gospels concerning the life of Christ.
Two hours  
With this book begins the history of the Christian Church. It is a connecting link between the records of Christ and the devotional writings of the apostolic period.

51. **The New Testament Epistles**  
Two hours  
An outline study of the twenty-one epistles of the N. T. Each epistle is analyzed, outlined, contents noted, the lesson applied to problems of today.

52. **The Epistle to the Hebrews**  
Two hours  
An intensive study of this unique epistle. "For inclusive value, suggestive teaching, beauty of statement, perfection of system, no letter more wonderful."

53. **The Gospel of John**  
Two hours  
Thirty lessons in an endeavor to interpret this marvelous book in the light of its key-verse, 20:31. It is a deep religious message with an exceedingly practical application.

61a. **Teacher Training**  
One hour  
For those engaged in actual Sunday School work in the city. One hour a week is given to the study and presentation of the lesson.

61b. **Sunday School Methods**  
One hour  
This course alternates weekly with 61a. A general study of the organization, management, and message of an up-to-date Sunday School that seeks to promote the Gospel of Christ.

62. **The Essentials of Christianity**  
Two hours  
To know the essentials of Christianity is to deepen faith in God, quicken a love for Christ and mankind, and to create moral courage. In this course we aim to study the cardinal doctrines of the Christian Church as taught in the Scriptures of the Old and New Testaments.

63. **Biblical Geography**  
Two hours  
There have been many calls for this course in this day when so many tourists are visiting the Holy Land. We aim to supply the latest information concerning the countries mentioned in the Bible, as well as that of Bible times.

64. **Biblical Archeology**  
Two hours  
This course properly supplements 63 and is a careful review of the recent discoveries in Bible lands.
COURSES OF INSTRUCTION

65. BIBLICAL HISTORY Two hours
   An outline history of the entire history covered by the Bible in
   preparation for the course in Church history.

68. ORGANIZATION AND ADMINISTRATION Two hours
   An aim to prepare for students for special administrative religious
   work: as pastor's assistant, Sunday School management, Daily
   Vacation Bible Schools, church secretary, and director of
   religious education.

69. CURRICULUM OF RELIGIOUS EDUCATION Two hours
   A review of the various programs of different denominations,
   now in vogue. It is a study of the objectives, techniques, and
   criteria.

70. CHURCH MANAGEMENT AND METHODS Two hours
   The application of 69. Largely consisting of lectures, and
   research work by the student. A thorough study of the most
   successful church schools of all denominations. (Offered only
   to those who have had 69 or its equivalent.)

81. COMPARATIVE RELIGION Two hours
   An outline study of the ten greatest religions of today and
   the right and place of Christianity.

82. PRAYER AND MISSIONS Two hours
   "Lord, teach us to pray" is the key-note of this practical
   course. All Christian workers need bring this petition first of
   all. We study the meaning of prayer and its application in all
   lines of religious activity.

83. MISSION STUDY COURSES Two hours
   A systematic study of the current courses in Mission Study
   put out by the United Missionary Movement.

84. MISSIONARY HEROES Two hours

BIOLOGY

Major: 24 hours out of the following except Course 1 are required for a major. In addition to the special requirements, Modern Language 8 hours, History 6 hours, Chemistry 8 hours, Public Speaking 4 hours, and Social Science 6 hours are required.
1. **GENERAL BOTANY**  
Four hours  
The first part of this course deals with the morphology, and the physiology of the root, the stem, and the leaf of a typical higher plant. The second part gives a general survey of the plant kingdom from the lowest to the highest forms with representatives from the most important groups of plants. Three two-hour laboratory periods and one one-hour lecture. Laboratory fee, $2.50 per term.

2. **GENERAL ZOOLOGY**  
Four hours  
Representative members of the important groups of the animal kingdom are studied in the laboratory, and such subjects as the nature of living matter, the origin and development of life, the unity of the organism, the elementary nervous system, tropisms, and genetics are discussed in lecture and recitation. Three two-hour laboratory periods and one one-hour lecture. Laboratory fee, $2.50 per term.

52. **COMPARATIVE ANATOMY OF VERTEBRATES**  
Three hours  
The comparative anatomy of vertebrates is discussed in lecture and recitation, and representative members, probably the frog, the mud-puppy, and the cat, are studied in the laboratory. Two two-hour laboratory periods and one one-hour lecture.

53. **GENERAL EMBRYOLOGY**  
Three hours  
The embryology of representative groups of the animal kingdom is discussed in lecture and recitation, and the development of the embryo of a higher animal, probably the chick, is followed in the laboratory. Two two-hour laboratory periods and one one-hour lecture.

54. **HISTOLOGY**  
Three hours  
A study of the minute structure of the human body with laboratory work on mammalian organs and tissues, including histological technique.

55. **EUGENICS**  
Three hours  
A discussion of the biological aspect of social problems including the study of genetics.

56. **SANITATION AND HYGIENE**  
Three hours  
The general principle of public and personal health with special reference to the prevention of disease and the maintenance of physical efficiency.
COURSES OF INSTRUCTION

58. BACTERIOLOGY  Three hours

Technique in growing and examining bacteria, identification of species, and common disease bacteria. One hour lecture and four hours laboratory. Open to students who have completed 1 and 2.

61. GENERAL PLANT PHYSIOLOGY  Four hours

A study of the physiological processes of plants. An introductory experimental course. Pre-requisites: Biology 1, and Chemistry 1 and 2. Two lectures and two laboratory periods.

62. SYSTEMATIC BOTANY  Two hours

The classification and distribution of the higher plants, with emphasis on the local flora. The making of herbaria is required. Pre-requisite: Biology 1. Two laboratory periods.

CHEMISTRY

Major: The following courses are required for a major: Chemistry 1-2; 11-12; 51-52; 71. In addition to the special requirements, Modern Language 14 hours; History 6 Hours; Mathematics 10 hours; Physics 8 hours; Economics 3 hours are required. Students are expected to acquire a reading knowledge of French or German. Students expecting to teach should take Education 16 hours; and Biology 8 hours.

1-2. GENERAL CHEMISTRY  Four hours each semester

The fundamental principles of the science. The occurrence, preparation, physical and chemical properties, essential compounds and the reaction of the most important elements are studied in laboratory and lecture. Two lectures and two laboratory periods. Five hours for students who have not had high school chemistry. Laboratory fee, $3.25 per term.

11-12. QUALITATIVE ANALYSIS  Three hours each semester

Systematic analysis of the metals and acid radicals. Students will be required to analyze fifteen unknowns. Pre-requisite: Chemistry 1 and 2. One lecture and two laboratory periods. Laboratory fee, $3.25 per term.

51-52. QUANTITATIVE ANALYSIS  Three hours each semester

Gravimetric and volumetric analysis of standard laboratory compounds. Pre-requisite: Chemistry 1 and 2. One lecture and two laboratory periods. Laboratory fee, $2.75 per term.
53-54. **Organic Chemistry** *Four hours each semester*

A study of the aliphatic and aromatic compounds of carbon with laboratory preparation of typical group representatives. Pre-requisite: Chemistry 1 and 2. Two lectures and two laboratory periods. Laboratory fee, $4.25 per term.

61. **Chemistry of Foods** *Four hours*

Chemical composition of foods and the detection of preservatives and adulterants. Pre-requisite: Chemistry 51 and 52. Two lectures and two laboratory periods. Laboratory fee, $4.25 per term.

62. **Physiological Chemistry** *Four hours*

The occurrence, synthesis, assimilation and metabolism of the three great groups of food substances. Pre-requisites: Chemistry 53 and 54. Biology 1 and 2. Laboratory fee, $4.25 per term.

71. **History of Chemistry** *Two hours*

A study of the development of the science of chemistry.

**Classical Languages**

The purpose of this department is to enable the student to read Greek and Latin with some ease and pleasure and to acquaint him with some of the masterpieces of the literature of these languages.

The social and religious ideas of these peoples, as shown by their writings, will be discussed and compared with our own times. The fact that both languages have contributed very largely to the English vocabulary will be given much attention, and the enrichment of the student’s own vocabulary will be emphasized. The use of words to express concepts will be studied and the changing of the meaning of terms, when carried over into other realms of thought or as shown simply in the course of time, will be considered. Especially will this be noted in the case of New Testament Greek.

Students who have not had any Latin before entering college are advised to take at least two years of this work as a help in their study of English. Those who
feel that they may possibly teach Latin are urged to take at least one year of Greek; for experience shows that a working knowledge of Greek is a great help in teaching Latin.

The requirements for a major in Latin or Greek, or a combined major, are to meet the requisite number of hours, 24, and a satisfactory minor to be arranged in consultation with each student. Latin 1 and 2 will not count on a major. Special requirements for graduation must be met.

**Greek**

1-2. **ELEMENTARY GREEK**  
*Four hours each semester*  
Special emphasis will be placed on grammar and vocabulary. The fourth term will be devoted largely to reading and to a review of the year's work.

51. **XENOPHON’S ANABYSIS**  
*Three hours*  
Selections from the first four books will be read, sight reading will be emphasized, and some collateral reading of the history of Xenophon’s time and selections of contemporary authors, in translation, will be considered.

52. **HOMER’S ILIAD**  
*Three hours*  
Selections will be read in the original, others in translation, and the influence of Greek literature on the Latin and modern writers will be considered.

53-54. **NEW TESTAMENT IN GREEK**  
*Three hours*  
Selections from the New Testament will be studied and the meaning of some of the more important words carefully considered. Some of the ancient versions and manuscripts will be discussed and the findings of archaeology will be noted.

55. **PLATO’S APOLOGY AND CRITO**  
*Three hours*  
Introduction to Greek philosophic thought through the character and teaching of Socrates. (Not offered in 1930-31.)

56. **INTRODUCTION TO GREEK TRAGEDY**  
*Three hours*  
The Antigone, a study of the ancient theatre and of classical plays.
WHITWORTH COLLEGE

Latin

1-2. BEGINNING LATIN Four hours each semester
This is offered alternate years for students who have not had Latin. A semester and a half will be given to the elementary work. The fourth quarter will be spent in reading Roman stories and some of Caesar.

3-4. CAESAR AND CICERO Three hours each semester
The first semester will be a continuation of the fourth quarter of the previous year. Selections from Caesar's commentaries will be read, grammatical principles reviewed, vocabulary emphasized, sight-reading required, and other Roman literature discussed. In the second semester Cicero or some other author will be studied.

6-8. THE AENEID AND OVID Three hours each semester

51-59. LATIN LITERATURE Three hours each semester
These courses will include such authors as Cicero, Horace, Tacitus, Livy, Terence, Plautus, Catullus, and Sallust; their writings will be read as the needs of the students may require.

60. LATIN COMPOSITION AND TEACHING OF LATIN Two hours
This course is intended for those students who major in the classical languages, and it is given especially for those who are planning to teach Latin.

DRAMATIC ART AND PUBLIC SPEAKING

FIRST YEAR

FIRST SEMESTER

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<tr>
<td>1. The Speaking Voice</td>
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<td>3. Fundamentals of Speech</td>
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SECOND SEMESTER

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<td>2. Interpretative Reading</td>
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<td>4. Fundamentals of Speech</td>
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SECOND YEAR

FIRST SEMESTER

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<td>5. Argumentation and Debate</td>
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<td>7. Interpretative Reading</td>
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<td>9. Dramatic Art</td>
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SECOND SEMESTER

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<tr>
<td>6. Debating</td>
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<td>8. Dramatic Art</td>
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<td>10. Interpretative Bible Reading</td>
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COURSES OF INSTRUCTION

THIRD YEAR

FIRST SEMESTER

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<th>Course</th>
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<tbody>
<tr>
<td>51. Play Production</td>
<td>3</td>
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<td>53. Advanced Interpretative Reading</td>
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SECOND SEMESTER

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<th>Course</th>
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<tr>
<td>52. Shakespeare. Actual play production</td>
<td>3</td>
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<tr>
<td>54. Prepared and Extempore Speech</td>
<td>3</td>
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<td>56. Story Telling</td>
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FOURTH YEAR

FIRST SEMESTER

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<tr>
<td>55. Private Lessons</td>
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<td>57. Scenery, Make-up and Coaching of Plays</td>
<td>3</td>
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<tr>
<td>59. Pedagogy of Expression Teaching</td>
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SECOND SEMESTER

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<th>Course</th>
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<td>58. Private Lessons</td>
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<tr>
<td>60. Advanced Interpretative Reading</td>
<td>3</td>
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<tr>
<td>62. Science and Art of Conversation</td>
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Major: At least thirty-five hours chosen from the courses listed in consultation with major Professor are required for all majors. In addition an entire evening’s entertainment or recital must be given. Certain courses in Shakespeare and The Drama in the Department of English are required.

1. THE SPEAKING VOICE

Three hours

This study endeavors to train the voice as an instrument, giving voice drills for speech, as corresponding drills are given for song. This part of the training includes breathing, proper opening of the throat, and placement. Then we follow with mento-voice drills, endeavoring to obtain automatic action of the voice as a reaction from the thought, this reaction expressing normally the emotions the thought should produce.

3-4. FUNDAMENTALS OF SPEECH

Two hours each semester

Here we endeavor to correct bad habits or mannerisms, add to the power of natural reaction to clear thought in emotion and voice and action, to develop the individuality, to remove self-consciousness, and make possible self-controlled public speech.

2-*7. INTERPRETATIVE READING

Three hours each semester

Interpretative study of various styles of literature with view largely to their vocal deliniation. As the student progresses we add the rendition of various selections for all styles of literature and the deliniation and impersonation of varying characters.

*Not given in 1930-31.
5. **ARGUMENTATION AND DEBATE**  *Three hours*

A study of the practice and theory of debate. A text book will be used. Practice in finding material, construction of main argument, rebuttal and delivery. Students who are planning to enter inter-collegiate debating are advised to take this course.

6. **DEBATING**

*Hours credit according to quality and quantity of work done.*

A laboratory course in debating. Only members of the debate squad admitted to this course.

8-9. **DRAMATIC ART**  *Two hours each semester*

The first course in this deals with the principles of action, the arousing of dramatic instinct, and actual dramatic presentation of many styles of thought. In more advanced classes the acting is carried much farther in the presentation of standard dramas of the centuries.

*10. **INTERPRETATIVE BIBLE READING**  *Three hours*

Many have failed to realize that some of the greatest literature of the world is contained in the Bible; and many who read from it fail to portray the marvelous pictures and messages there given. This class aims to make scripture reading something more than a formal part of a church service, and to develop an appreciation of Bible literature.

*51. **PLAY PRODUCTION**  *Three hours*

This course is just what the title implies. The student learns to produce the best dramas. Special coaching of plays in the advanced classes.

54. **PREPARED AND EXTENPORE SPEECH**  *Three hours*

*Practical public speaking. A study in the selection, organization and presentation of speech material. Practice in prepared and extempore speaking will be done in class room. Actual public platform work will be required of students in this course.*

*56. **STORY TELLING**  *Two hours*

This is direct instruction and practice in the telling of stories, relating of anecdotes, planned to interest all kinds of audiences. It is of rare aid in after dinner speaking, and of interest to children, illustration in public and private discourse, and is a very popular aid just now in the Junior Department stories in Christian Education.

*Not given in 1930-31.*
COURSES OF INSTRUCTION

55-58. PRIVATE LESSONS  One hour each semester

Private lessons are a necessity in correcting the imperfections that are sure to remain after the best of class work. One-half hour periods. $15.00 extra per quarter.

*57. SCENERY, MAKE-UP AND PLAY COACHING  Three hours

This training is greatly needed by those who must do such work as teachers or community leaders.

*59. PEDAGOGY OF EXPRESSION TEACHING  Two hours

This course is arranged for those who expect to teach in high school or in a private studio. Required of all majors.

*53-60. ADVANCED INTERPRETATIVE READING  Two and Three hours

This course includes studies in declamation, in which committed memory work is rendered as for Recital, Lyceum or Chautauqua purposes. After suggestions from the class and instructor, the student re-prepares and appears a second time, seeking to apply the suggestions he has received.

*62. SCIENCE AND ART OF CONVERSATION  Three hours

Many hold that conversation is a lost art. There are certainly few good conversationalists. This study gets at the roots of conversational faults, and cultivates tactful leadership upon helpful topics.

EDUCATION

Major: Twenty-four hours selected in conference with the head of the department from following courses except courses 1 and 2. Major students must fulfill all special requirements. Students expecting to teach must take at least 16 hours in this department to meet the requirements of the State Board.

1-2. ORIENTATION.  One hour each semester

This course in orientation is obligatory for all freshmen. The principal objectives of this course are to discover the aptitudes and abilities of the students and to help them organize their intellectual life.

*Not given in 1930-31.
21. GENERAL PSYCHOLOGY
Three hours
A general course required of all students.

22. EDUCATION PSYCHOLOGY
Three hours
This course consists of the following: the learning process, learning in school activities, transfer of training, individual differences, intelligence, psychology of elementary and high school subjects. Not given 1930-31.

23. CHILD STUDY AND ADOLESCENCE
Three hours
A careful study of the physical, mental and moral development in childhood and adolescence and the application of the same to the care, training and education of children.

51. HISTORY OF EDUCATION
Three hours
A study of the development of ancient, medieval and the beginning of modern secondary education. The systems of Greece, Rome, the Middle Ages and the schools formed under the influence of the Renaissance are considered in respect to their spirit and content of instruction.

52. THE HIGH SCHOOL
Three hours
This course traces the development of the secondary education in the United States; secondary education in England, France and Germany; the downward and upward extension of the high school; aims of the high school and the development of the curriculum. Not given 1930-31.

53. THE JUNIOR HIGH SCHOOL
Three hours
Treats of the historical development, aims of the junior high school, the program of studies, the administration, teaching staff, and methods of teaching.

60. EDUCATIONAL TESTS AND MEASUREMENTS
Two hours
This course includes a study of the individual and group intelligence tests and the applications of these tests to the progress and efficiency of the schools.

61. DIRECTING LEARNING
Two hours
This includes learning activities, individualizing the learning activities, focussing attention, the use of visual material, testing, diagnosis, noting progress, and the management of classes.

62. SPECIFIC METHODS IN SECONDARY EDUCATION
Two hours
63. **THE MEASUREMENT OF INTELLIGENCE** *Three hours*

A study of individual testing, the early tests of intelligence, the historical background of the Binet-Simon tests, the development of the Binet tests, problems regarding the use of the tests, practical experience in giving the tests. Not given 1930-31.

54. **THE NEW TYPE EXAMINATION** *Two hours*

An introduction to educational measurements, a comparison of the new type with the traditional examination, advantages and disadvantages of objective examinations, construction of objective examinations, statistical treatment and interpretation.

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**ENGLISH**

Major: Courses 1 and 2 do not count on a major. Students majoring in English and expecting to teach it should take at least thirty semester hours. Required courses are 1, 2, 3, 4, 5, 6, 66, 68 or 69, and 76.

1-2. **ENGLISH COMPOSITION** *Three hours each semester*

A general course in rhetoric and composition, including a review of the principles of grammar. Many written themes, some oral composition, and regularly scheduled personal conference periods for each student. A Freshman requirement.

3-4. **ENGLISH LITERATURE** *Three hours each semester*

Open to all but Freshmen. A pre-requisite to all other English courses except 1 and 2. This course aims to give the necessary background for more specialized courses in English literature. It traces the development of English literature from Beowulf to the twentieth century and shows the general characteristics of each of the main periods and movements. Considerable collateral reading is required.

7-8. **ADVANCED RHETORIC AND COMPOSITION** *Two hours each semester*

A review of the principles of rhetoric through an analysis of the current masterpieces and of the various forms of English composition, with much practice in written composition.

9. **INTRODUCTION TO JOURNALISM** *Two hours*

53. **MAGAZINE AND NEWS WRITING** *Two hours*

54. **NEWSPAPER EDITING** *Two hours*

This includes laboratory work on the college paper.
55-56. **World Literature**

*Three hours each semester*

A study of representative masterpieces of the leading nations of the world omitting England and America. Representative selections will be made from the epic, the lyric, the drama, history, philosophy, oratory, comedy, tragedy, and sacred literature.

57-58. **American Literature**

*Three hours each semester*

A general survey of the whole field of American literature from the beginning to contemporary literature. Offered in alternate years.

61. **The Short Story**  
*Two hours*

The reading, analysis, and writing of short stories.

62. **The Novel**  
*Two hours*

A brief history of the development of the novel. Reading, analysis, and reports of several selected works.

65. **Nineteenth Century Poetry**  
*Three hours*

A study of at least twelve of the chief English poets of the Romantic and the Victorian periods. This course should be taken by all who are majoring in English.

67. **Eighteenth Century Literature**  
*Two hours*

A study of the literary and social ideas reflected by the leading poets and prose writers from Swift to Burns, with special emphasis on Dr. Johnson and his group. Offered in alternate years.

68. **Shakespeare's Comedies**  
*Three hours*

An intensive study of the chief comedies with a rapid reading and reports on others. Collateral reading will be required on Elizabethan life and customs. Offered in alternate years.

69. **Shakespeare's Tragedies**  
*Three hours*

An intensive study of the chief tragedies with a rapid reading of and reports on others. Collateral reading will be required on Elizabethan life and customs. Offered in alternate years.

70. **Chaucer and the Middle-English Period**  
*Two hours*

This course is devoted mainly to literature of the fourteenth century, with special attention to the works of Chaucer and Langland and to some of the metrical romances.

71. **Anglo-Saxon**  
*Three hours*

An introduction to the study of the history of the English language. Includes the reading of selections in Bright's Anglo-Saxon Reader besides some of Beowulf in the original.
COURSES OF INSTRUCTION

74. ENGLISH IN HIGH SCHOOL  Two hours
    A practical study of the aims and content of the high school course in English, including plans for teaching it. Open only to those electing English as a major or a minor.

76. ENGLISH SEMINAR  Two hours
    A course devoted to the investigation of special topics in English or American literature. Reading and research by each student in a field chosen in conference with the instructor. Open only to English majors.

HISTORY AND POLITICAL SCIENCE

Major: Courses 1 and 2 do not count on a major. Courses 51, 52, 57, and 58 are required.

The following courses have in view the study of the events and movements that have resulted in the present world civilization. Students majoring in history should also take courses 3 and 4 in economics and courses 3 and 4 in sociology. The equivalent of four years of foreign language in high school and college should be completed by students majoring in this subject.

1. MEDIEVAL EUROPE  Three hours
    A general survey of the development of Western Europe from the time of the breaking up of the Roman Empire about 350 A. D., to the period of the French Revolution in the eighteenth century. The origin and development of the Christian church and the rise of the various European nations are noted. The chief characteristics and institutions of the Middle Ages are studied. Special attention is given to the causes and significance of the Renaissance and the Protestant Reformation. A pre-requisite to all other courses in history.

2. MODERN EUROPE  Three hours
    Special attention is given to the French Revolution, the Napoleonic era, the growth of nationality and democracy, imperialism, and the causes and results of the World War.

3-4. HISTORY OF ENGLAND  Three hours each semester
    The first semester gives a survey of English history to the time of Queen Elizabeth, emphasizing the institutional, social, and industrial life of a nation in the making. The second semester emphasizes the growth of the nation into a world-wide empire, with a study of its internal and international problems.
51. HISTORY OF THE UNITED STATES  Three hours
   A study and interpretation of the chief epochs in American history from the Colonial beginnings to 1829.

52. HISTORY OF THE UNITED STATES  Three hours
   A study of the slavery controversy, the Civil War, reconstruction, territorial and commercial expansion, and national and international problems to 1929.

53. ANCIENT CIVILIZATION  Two hours
   A survey of Ancient history, emphasizing the institutional and cultural phases of Greece and Rome.

54. THE AMERICAN FRONTIER  Two hours
   A study of the Western movement from early colonial times and the effect of frontier influences on our economic, social, and political development.

55. POLITICAL SCIENCE  Two hours
   A survey of the nature and origin of the state, of government functions, and the development of democratic institutions.

57. AMERICAN GOVERNMENT  Two hours
   A survey of the machinery of American government, the national executive department, congress, federal judiciary, and party politics.

58. AMERICAN GOVERNMENT  Two hours
   The machinery of party politics as operative in state, county, town, and city governments. The Washington state constitution will receive special study.

69. AMERICAN CONSTITUTIONS  One hour
   Constitutions of the United States and of the State of Washington. A senior requirement for those not taking Courses 57 and 58. Required by state law.

60. INTERNATIONAL LAW (Open to Seniors)  Two hours
   A study of the principles and practices of nations in their international agreements, the law of war and peace, the forms and agencies of diplomacy.

61. THE TEACHING OF HISTORY AND GOVERNMENT  Two hours
   Special attention is given to the subject matter of history and government, methods of presentation, bibliography, and teaching equipment. Open to students majoring in history.
COURSES OF INSTRUCTION

HOME ARTS

Major: 24 hours. Courses 1 and 2 do not count on a major. In addition to the special requirements major courses should be selected in consultation with the head of the department.

1. FOODS  
Four hours
This course teaches food preparations in meal combinations, composition of foods, principles of cookery, analysis of standard products, and a study of basic preparations of recipes. In the laboratory there will be practical cookery and various methods of preparation.

2. FOODS AND NUTRITION  
Four hours
This is a continuation of Course 1, with a study of new combinations of food and flavor. The selection of attractive foods and a study in nutritive values are emphasized.

3. TEXTILES AND CLOTHING  
Three hours
Adaptation and use of commercial patterns, kinds, qualities and quantity of material. Elementary facts that form the foundation of successful selection of textile fabrics. Laboratory work will include planning and construction of garments from wash materials.

4. CLOTHING  
Three hours
Consideration of the bases of the selection of clothing; clothing budgets; clothes as a financial investment; clothing standards in relation to the economic, social, and aesthetic life of the community; principles of hygiene as applied to clothing. The laboratory work includes planning and making of garments.

5. MEAL PLANNING AND TABLE SERVICE  
Two hours
Individual planning and preparation of meals for family groups, including the adaptation to needs of the child. The aesthetic phase and social opportunity in meals is emphasized. Styles of service are studied and used.

6. LARGE QUANTITY COOKERY  
Two hours
A study of foods and their preparation for institutional use. A study of labor-saving devices and utensils for large quantity work. Field work and observations in public institutions of the city.

51-52. COSTUME DESIGNING  
Two hours each semester
A study in design and advanced garment making.
53. HOME FURNISHING  Three hours
A study of historic and modern architecture and modern adaptation. The interior of the home planned for economy and beauty. Field work and one individual project.

54. HOUSEHOLD MANAGEMENT  Three hours
The principles of scientific management as applied to the household. A study of household equipment, with economic and social problems in the home.

55. NUTRITION  Three hours
A study of the daily food requirement in health throughout infancy to old age, with typical dietaries for each period. A study of food values and compositions. Laboratory work: study of weights and measures and amounts of the common food materials; preparation and comparison of special foods.

56. DIETETICS  Four hours
A course similar to the one outlined in 55, but for this one there is a prerequisite of organic chemistry.

57. CHILD DEVELOPMENT  Two hours
Dietetic requirements in different pathological conditions; and a study of the child: his needs, care, and development. Laboratory work: preparation of typical diets for special pathological conditions—as diabetes, nephritis, and gastric ulcer. A special dietary for the child of pre-school age.

58. DIETOTHERAPY  Three hours
Organic chemistry is a prerequisite. A course similar to 57 but more technical.

MATHEMATICS

Major: The required courses and number of hours are to be selected in consultation with the head of the department.

1. ELEMENTARY ALGEBRA  Three hours
A review of elementary algebra; quadratic equations; theory of exponents and radicals. For students who have presented but one unit of Algebra for admission, and for any others who are found poorly prepared in Algebra.

2. ELEMENTARY SOLID GEOMETRY  Three hours
The elements of solid geometry for students who have not presented Solid Geometry for admission. Required of all pre-engineering students who have not taken the work in high school.
COURSES OF INSTRUCTION

3-4. ENGINEERING DRAWING  
Two hours each semester
Lettering, engineering sketching, use of instruments, detail and assembly drawings, tracing, standards and conventions.

11-12. ALGEBRA, TRIGONOMETRY AND ANALYTICAL GEOMETRY  
Five hours each semester
A review of algebra from quadratics, introduction to determinants, simultaneous quadratics, the progressions and binomial theorem. Plane trigonometry, including the solution of oblique triangles. Elementary analytical geometry. Open to students who have completed course 1 or its equivalent.

15-16. SURVEYING  
Three hours each semester
A study of plane surveying, methods, instruments, computation and mapping. Open to students who have completed Course 1-2 and Mathematics 11-12.

51-52. DIFFERENTIAL AND INTEGRAL CALCULUS  
Three hours each semester
A first course in the elements of the differential and integral calculus. Open to students who have completed Course 11-12.

53. HISTORY AND TEACHING OF MATHEMATICS  
Three hours
A general survey of the historical development of the science of mathematics. A study of the methods of teaching elementary mathematics. Open to students who have a major or minor in mathematics.

54. COLLEGE GEOMETRY  
Three hours
An introductory course in modern geometry. Properties of the triangle and circle. Open to students who have completed Course 11-12.

61-62. ANALYTICAL MECHANICS  
Three hours each semester
A theoretical study of Mechanics. Open to students who have completed or are taking Course 51-52.

63. DIFFERENTIAL EQUATIONS  
Three hours
A study of ordinary and partial differential equations with their applications to problems in physics, chemistry, astronomy and engineering. Open to students who have completed Course 51-52.
Major: 24 hours. French 1, German 1 and Spanish 1 do not count on a major.

**French**

1-2. **Elementary French** *Four hours each semester*

Pronunciation, grammar, vocabulary—Chardenal’s Complete Course. Reading and translation of Erckmann-Chartrian’s “Le Conscrit de 1813.” Careful attention to right methods of study and to the relation of French to Latin and English.

3-4. **Intermediate French** *Three hours each semester*

Review of French grammar with particular reference to the subjunctive mood. Reading and translation of Halvey’s “L’Abbe Constantin,” Meinee’s “Colomba,” La Martine’s “Scenes de Revolution Francaise.” Some attention is given to the oral use of the language, but a ready reading knowledge of modern French is the main objective.

51-52. **French Classics** *Three hours each semester*

Hugo’s “Les Miserables” (Super’s edition), or “Le Travailleurs de la Mer” (Langley’s edition); one of Racine’s tragedies; and one of Moliere’s comedies will be read and discussed in class.

**German**

1-2. **Elementary German** *Four hours each semester*

The fundamentals of pronunciation, grammar, and vocabulary, together with reading and translation of easy prose and verse. Effort is made to cultivate good habits through eye, ear, and vocal organs simultaneously. Emphasis is put upon the grouping of words according to logical relation. Some attention is paid to comparative linguistics.

3-4. **Intermediate German** *Three hours each semester*

The general aims and methods of the preceding course will be continued, beginning with a strong and systematic presentation of German syntax, particularly the difficulties of word-order in the complex sentence. Careful attention is paid to the correct methods of acquiring a vocabulary and to the outstanding differences of German and English idiom. A ready reading knowledge of idiomatic modern German is the goal of the course.
COURSES OF INSTRUCTION

51-52. SCHILLER’S DRAMAS Three hours each semester
Reading, translation, and analysis of at least four historical dramas: “The Maid of Orleans,” “Wilhelm Tell,” “Maria Stuart,” and “Wallenstein.” The cultivation of an immediate understanding of German through the ear and the appreciation of Schiller’s literary art will receive about equal attention.

53-54. GOETHE Three hours each semester
Reading and interpretation of “Hermann und Dorothea,” “Die Leiden des Jungen Werthers,” and “Faust” (parts I and II). Increasing attention is given to literary art without neglect of grammar and philology.

55-56. SCIENTIFIC GERMAN Two hours each semester
Treatises in chemistry, biology, and psychology will be read in standard German texts. Pre-requisite: courses 3 and 4.

60. METHODS OF TEACHING MODERN LANGUAGES Two hours
Aims and methods in the teaching of modern languages, texts; aids in teaching; lesson plans; high school course of study in the modern languages; supervised observation in nearby high schools; and some coaching and cadeting in lower classes.

MUSIC DEPARTMENT
All work offered by this department is open not only to music majors but also to those who wish to develop an appreciative knowledge of music.

Majors in this department are required to take two lessons a week—one to three credits a semester and must arrange for the required number of credit hours in consultation with the head of the department.

Music is acknowledged by all leading educators to be one of the most comprehensive subjects for the all-round development of earnest students. Further detailed information regarding the following courses will be sent upon request.
Private lessons in piano, voice, violin and organ are offered, each thirty minutes in length. Students may earn one or two credits a semester in the applied music courses. Music majors are required to take two lessons a week—one to three credits a semester.

1. **ELEMENTS OF MUSIC**
   Two hours
   The fundamental theoretical principles of music, including notation, keys, scales, sight reading, a review of the theory of music. Open to any student.

2. **SIGHT SINGING**
   Two hours
   Designed to teach beginners to read music easily. Open to students who have completed Course 1.

11-12. **CHORAL STUDY**
   One hour each semester
   Study and performance of some of the serious and the lighter forms of choral compositions. Open to men and women upon examination.

13-14. **APPRECIATION OF MUSIC**
   Two hours each semester
   A study and interpretation of musical masterpieces, presented by voice, piano and victrola. Open to any student who wishes to become an intelligent listener, whether a performer or not.

15-16. **ORCHESTRA**
   One hour each semester
   This course affords qualified students an opportunity for the study of the better grades of orchestral composition. Applicants must satisfy the director as to their proficiency in performance upon some orchestral instrument.

21-22. **HISTORY OF MUSIC**
   Two hours each semester
   A study of musical development from the primitive period to the modern. Open to students who have completed Course 13-14.

23-24. **HARMONY**
   Two hours each semester
   A study of scales, intervals, chords and the harmonizing of simple melodies. Open to students who have some practical knowledge of the piano.

31-32. **PIANO PEDAGOGY**
   Two hours each semester
   Piano teaching methods and a survey of teaching material. Open to advanced students of piano.
COURSES OF INSTRUCTION

17-18. APPLIED MUSIC—(Freshman)
25-26. APPLIED MUSIC—(Sophomore)
33-34. APPLIED MUSIC—(Junior)
41-42. APPLIED MUSIC—(Senior)

One to two hours each semester for work of College grade.

The foregoing courses in applied music comprise private lessons in piano, voice, violin or organ, leading to recital performance. One or two half-hour lessons per week. Open to any student upon application.

To be eligible for credit in Applied Music toward the Bachelor of Arts degree, a student must meet the following requirements:

First. Obtain written authorization from the Director.
Second. Register in the Department for two half-hour lessons weekly.
Third. Pass the requisite proficiency test as indicated below.
Fourth. Complete two years in Theoretical Music (including Harmony) preceding or paralleling the applied music.

Proficiency tests admitting to the courses in Applied Music, graded according to previous training:

PIANO OR ORGAN (Given at the piano)
Scales—All major and minor scales (harmonic and melodic) parallel motion in groups of four, four octaves.
Etude—One by Cramer, Czerny or Haller.
Bach—One two-part invention.
Pieces—A simple piece from memory.
Sight reading—A hymn and second grade piece.

VOICE
Scales—Major and minor, sung at moderate tempo.
Exercises—Simple three, four, or five note exercises such as Abt, Concone Opus 9 or their equivalent.
Songs—Some simple song well sung from memory.
Sight reading—Hymn or the equivalent.
Piano—A simple accompaniment, accurately played.

VIOLIN
Scales—All major and minor scales in three octaves. Equivalent of Schradieck's Scale Studies, Part I.
ment may be met by participating in the athletic sports or the Women's Athletic Association program or some other organized physical exercises. This work will be done out of doors as much as possible, since the aim is to meet the physical needs of the student, both in a corrective and recreational way.

In addition to the requirements for graduation, theoretical courses are offered for the purpose of supplementing the work in the athletic sports and in training for coaching. Regular college credit is given for Physical Education 1 and 2.

1-2. PHYSICAL EDUCATION Two hours each semester

Theory of coaching football, basketball, baseball and track with special emphasis on the fundamentals of each. The theory study is given simultaneously with the work of the particular sport. Emergency treatment of common injuries, theory of training, massage, and treatment of sprains and bruises. This course is planned particularly for those who desire to train for professional coaching.

Physical Education for Women

Physical Education for women functions largely through the Women's Athletic Association. This is an organization of the women of the college interested in hiking, basketball, baseball, volleyball and tennis. This work is carried on in conjunction with the regular physical education program of the college and is supervised by the director of Physical Education. Participation in the activities of the Women's Athletic Association will count toward the physical education requirement for graduation.

PHYSICS DEPARTMENT

Minor: Courses 11, 12, 51, 52, 53; Mathematics 11, 12.

11-12. GENERAL PHYSICS Four hours each semester

A course intended to acquaint the student with the elementary facts, methods and principles of physical science. Open to students who have had Trigonometry.
COURSES OF INSTRUCTION

13-14. HOUSEHOLD PHYSICS *Four hours each semester*
A course designed to familiarize the student with the basic principles of physics as applied in the home. Primarily intended for Home Economics majors but open to women students of junior standing not majoring in science.

51-52. THEORETICAL MECHANICS *Three hours each semester*
A theoretical and experimental study of the fundamental principles of mechanics. Laboratory work in dynamics of rigid bodies, friction and elasticity. Open to students who have completed Course 11-12.

53. INTRODUCTION TO MODERN THEORIES *Three hours*
An introductory study of the modern theories of atomic structure, radiant energy, radio-activity and the properties of the electron. Open to students who have completed Course 11-12.

SECRETARIAL SCIENCE
Credit for typewriting and shorthand not counted toward a degree.

1. TYPEWRITING *One hour, first semester*
Acquaintance with the parts of the typewriter, mastery of the keyboard, emphasizing position, rhythm, technique, accuracy, and speed. Four class periods per week. Practice periods by appointment. Special fee, $5.00 per quarter.

2. TYPEWRITING *One hour, second semester*
Expert speed work with emphasis on accuracy. Form work and letter writing. Four class periods per week. Practice periods by appointment. Special fee, $5.00 per quarter.

3. SHORTHAND *Three hours, first semester*
The Gregg system is studied; supplementary reading and transcribing, speed dictation based on text material covered. Four class periods per week.

4. SHORTHAND *Three hours, second semester*
5-6. ACCOUNTING  
*Three hours each semester*

Fundamentals of accounting. Counted on credit toward a degree.

7. BUSINESS LAW  
*Two hours*

A study of the fundamental principles of law as relating to business practice. Counted on credit toward a degree.

**SOCIAL SCIENCE**

Major: Majors in Social Science are required to take Economics 1, 2, 3, 4, 5, 51, 52, 53, 54; Sociology 1, 2, 3, 51, 52, 53, 54. In addition to special requirements for graduation History 1 and 2; Education 23 or Educational Sociology; Biology 55 and 56.

**Economics**

1-2. **PRINCIPLES AND PROBLEMS OF ECONOMICS**  
*Three hours each semester*

The aim is to lay a basic foundation for all further study of Economics. Problems of price, value, distribution, economic consumption and general problems of economic welfare and business are discussed.

3. **ECONOMIC GEOGRAPHY**  
*Three hours*

The principles and effects of specific geographic factors are treated, followed by the business geography of the Continents and of the United States. Problems are presented for solution by means of a unique series of tables and graphs.

4. **BUSINESS ORGANIZATION AND CORPORATIONS**  
*Two hours*

Corporation finance, purposes, limitations, stock and bond issues, the legal history of corporations are considered.

5. **AMERICAN ECONOMIC HISTORY**  
*Three hours*

A graphic treatment in concrete terms of the Western Movement. The purpose of the course is to arrive at an understanding of *how* and *why* the United States has come to its present high state of industrial efficiency.

51. **INVESTMENTS**  
*Two hours*

What to consider in making investments. Stocks and bonds, major and minor government securities, safety and fraud, market quotations are bases for consideration and information.
52. MARKETING  
>This is a practical course in the economics of the wholesaler, retailer, middleman and the functions of each. The second part of the course deals largely with merchandising.

53. ADVANCED ECONOMIC PRINCIPLES  
>This more formal and rigid presentation of economic principles is here given. There is extensive use of problems which the students work out throughout the course.

54. FINANCIAL ORGANIZATION  
>This course is flexible to meet class needs. It deals with questions and principles pertaining to banking, corporation finance, business organization and exchange. The classification of grades and functions of banks, the Federal Reserve System, automobile and agriculture financing are studied.

Sociology

*1-2. PRINCIPLES OF SOCIOLOGY  
>This basic survey of the elements of sociology, such as social forces and processes, and sociological principles. It is a course of the greatest practical utility in understanding and solving problems hinging on our daily social life.

3. SOCIAL ASPECTS OF LABOR  
>This course is a sympathetic study of the development and present relations of labor and capital. The labor reserve, seasonal occupations, piece work, origin and growth of labor unions furnish problems for study. (This course may be counted as Economics also.)

51. SOCIAL PATHOLOGY  
>A treatment of social maladjustments, considering various suggestions for their amelioration. It gives an understanding of poverty, crime, disease, etc. Necessary to students in their actual active social service.

52. HOME LIFE  
>A vital course to the understanding of the great value and need of conserving our sacred family institutions. This course fills the great need of helping in the founding and sustaining of a truly Christian family. Present destructive elements of home life are fully presented.

*Not given in 1930-31.
53. **Social Psychology**  
*Three hours*

This course will prepare students in active leadership to know and understand their public. It is vital alike to teachers, ministers, and business men. "Psychic inter-stimulation" is its keynote. The crowd, mob mind, fads, fashions, crazes, contagious behavior in general are analyzed.

54. **Current Social Problems and Literature**  
*Two hours*

A flexible course of live up-to-date current social problems will furnish scope for the practical application of sociological principles. An historic foundation will be laid and many and varied sources will be sought and used.
ALUMNI AND GRADUATES

OFFICERS OF ALUMNI ASSOCIATION
Elected June 6, 1930

President, Miriam Cassill, '23, 928 W. 25th, Spokane.

Vice President, Mrs. Marjorie Weaver, '22, E. 1705 10th, Spokane.

Secretary-Treasurer, Leah Grove, '30, Deer Park.

Chairman of Promotion Committee, Dr. W. W. Edmondson, '27, N. 1019 Cannon, Spokane.

GRADUATES

1930

Kathryn Alice Bockman, A. B. in English, cum laude, Anacortes.


Leon Depp Killian, B. S. in Mathematics, Davenport.

Lilly Cleo Schwendig, A. B. in Latin, magna cum laude, Wenatchee.

Everell Richard Sharnbroich, A. B. in Economics, Port Angeles.

Lloyd Henry Smith, A. B. in Classical Languages, cum laude, Waitsburg.

Elizabeth Lenore Van Loon, A. B. in Latin, Kalispell, Mont.

MEMBERS OF WHITWORTH HONOR CLUB
(Organized in 1927-28)

Elected in 1928
Kathryn Bockman, Anacortes.
Russell Boucher, Spokane.
Lillian Brown, Spokane.
Phillip Laurie, Tacoma.
Lilly Schwendig, Wenatchee.

Elected in 1929
Leon D. Killian, Davenport.
Lee E. Knoll, Spokane.
Lewis G. Randal, Seattle.

Elected in 1930
Leah Grove, Deer Park.
Virginia Koyl, Spokane.
Kenneth Knoll, Spokane.

Officers 1930-31
President, Lillian G. Brown, '28.
Vice President, Lee E. Knoll, '29.
Secretary, Virginia Koyl, '31.
<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting, Courses in</td>
<td>60</td>
</tr>
<tr>
<td>Activities, Student</td>
<td>18, 19</td>
</tr>
<tr>
<td>Administration, Officers</td>
<td>10</td>
</tr>
<tr>
<td>Administration, Principles of</td>
<td>21, 22</td>
</tr>
<tr>
<td>Admission, Requirements for</td>
<td>24, 25</td>
</tr>
<tr>
<td>Alumni Association, Officers of</td>
<td>63</td>
</tr>
<tr>
<td>Attendance on Classes</td>
<td>22</td>
</tr>
<tr>
<td>Baggage, Delivery of to College</td>
<td>13</td>
</tr>
<tr>
<td>Biblical Education, Courses in</td>
<td>33-35</td>
</tr>
<tr>
<td>Biology, Courses in</td>
<td>35-37</td>
</tr>
<tr>
<td>Bus to and from the College</td>
<td>13, 15</td>
</tr>
<tr>
<td>Business Administration, Courses in</td>
<td>29, 30</td>
</tr>
<tr>
<td>Calendar</td>
<td>4, 5</td>
</tr>
<tr>
<td>Campus and Buildings, Location of</td>
<td>13</td>
</tr>
<tr>
<td>Chapel Attendance</td>
<td>22</td>
</tr>
<tr>
<td>Chemistry, Courses in</td>
<td>37, 38</td>
</tr>
<tr>
<td>Classical Languages, Courses in</td>
<td>38, 39</td>
</tr>
<tr>
<td>Classification of Students</td>
<td>26, 27</td>
</tr>
<tr>
<td>College, Location of</td>
<td>13</td>
</tr>
<tr>
<td>Courses, Prefatory Statement</td>
<td>28</td>
</tr>
<tr>
<td>Courses Required</td>
<td>25, 26</td>
</tr>
<tr>
<td>Courses, Subjects and Outlines</td>
<td>29-62</td>
</tr>
<tr>
<td>Domestic Science, See under Home Arts</td>
<td></td>
</tr>
<tr>
<td>Dormitory Requirements</td>
<td>16</td>
</tr>
<tr>
<td>Dramatic Art, Courses in</td>
<td>40-43</td>
</tr>
<tr>
<td>Economics, Courses in</td>
<td>60, 61</td>
</tr>
<tr>
<td>Education, Courses in</td>
<td>43-45</td>
</tr>
<tr>
<td>Endowment</td>
<td>13, 14</td>
</tr>
<tr>
<td>Engineering, Courses in</td>
<td>30, 31</td>
</tr>
<tr>
<td>English, Courses in</td>
<td>45-47</td>
</tr>
<tr>
<td>Equipment</td>
<td>13</td>
</tr>
<tr>
<td>Expenses</td>
<td>14, 15</td>
</tr>
<tr>
<td>Faculty</td>
<td>6-9</td>
</tr>
<tr>
<td>Faculty, Committees of</td>
<td>10</td>
</tr>
<tr>
<td>Fees in Certain Courses, See those courses.</td>
<td></td>
</tr>
<tr>
<td>Fees, Special</td>
<td>14</td>
</tr>
<tr>
<td>Foreword</td>
<td>11</td>
</tr>
<tr>
<td>French, Courses in</td>
<td>52</td>
</tr>
<tr>
<td>German, Courses in</td>
<td>52, 53</td>
</tr>
<tr>
<td>Grades and Points</td>
<td>22</td>
</tr>
<tr>
<td>Grades, Transcripts of</td>
<td>16</td>
</tr>
<tr>
<td>Graduates of 1930</td>
<td>63</td>
</tr>
<tr>
<td>Graduation Honors</td>
<td>23</td>
</tr>
<tr>
<td>Graduation, Requirements for</td>
<td>25</td>
</tr>
<tr>
<td>Greek, Courses in</td>
<td>39</td>
</tr>
<tr>
<td>Subject</td>
<td>Page</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>History, Courses in</td>
<td>47, 48</td>
</tr>
<tr>
<td>Home Arts, Courses in</td>
<td>49, 50</td>
</tr>
<tr>
<td>Honors, Various</td>
<td>23</td>
</tr>
<tr>
<td>Honor Club, Members of</td>
<td>64</td>
</tr>
<tr>
<td>Journalism, See under English.</td>
<td>40</td>
</tr>
<tr>
<td>Latin, Courses in</td>
<td></td>
</tr>
<tr>
<td>Majors</td>
<td>26</td>
</tr>
<tr>
<td>Mathematics, Courses in</td>
<td>50, 51</td>
</tr>
<tr>
<td>Medical Course</td>
<td>31</td>
</tr>
<tr>
<td>Minors</td>
<td>26</td>
</tr>
<tr>
<td>Modern Languages, Courses in</td>
<td>52, 53</td>
</tr>
<tr>
<td>Music, Courses in</td>
<td>53-56</td>
</tr>
<tr>
<td>New Students, A Word to</td>
<td>21</td>
</tr>
<tr>
<td>Organizations, Student</td>
<td>18, 19</td>
</tr>
<tr>
<td>Personal Expenses</td>
<td>16</td>
</tr>
<tr>
<td>Pharmacy, Courses in</td>
<td>32</td>
</tr>
<tr>
<td>Philosophy, Courses in</td>
<td>57</td>
</tr>
<tr>
<td>Physical Education, Courses in</td>
<td>57, 58</td>
</tr>
<tr>
<td>Physics, Courses in</td>
<td>58, 59</td>
</tr>
<tr>
<td>Political Science, Courses in</td>
<td>47, 48</td>
</tr>
<tr>
<td>Pre-Professional Courses</td>
<td>28-32</td>
</tr>
<tr>
<td>Presidents</td>
<td>12</td>
</tr>
<tr>
<td>Prizes and Scholarships</td>
<td>17, 18</td>
</tr>
<tr>
<td>Psychology, See under Education.</td>
<td></td>
</tr>
<tr>
<td>Public Speaking, Courses in</td>
<td>40-43</td>
</tr>
<tr>
<td>Religious Life</td>
<td>20</td>
</tr>
<tr>
<td>Reports and Scholarship</td>
<td>23</td>
</tr>
<tr>
<td>Room and Board</td>
<td>14</td>
</tr>
<tr>
<td>Rooms, Reservation of</td>
<td>21</td>
</tr>
<tr>
<td>Scholarships and Prizes</td>
<td>17, 18</td>
</tr>
<tr>
<td>Scholarship and Reports</td>
<td>23</td>
</tr>
<tr>
<td>Secretarial Science, Courses in</td>
<td>59, 60</td>
</tr>
<tr>
<td>Selfsupport</td>
<td>17</td>
</tr>
<tr>
<td>Shorthand Writing, Courses in</td>
<td>59</td>
</tr>
<tr>
<td>Social Life</td>
<td>20</td>
</tr>
<tr>
<td>Social Sciences, Courses in</td>
<td>60-62</td>
</tr>
<tr>
<td>Special Requirement Courses</td>
<td>25, 26</td>
</tr>
<tr>
<td>Transportation to and from the College</td>
<td>13, 15</td>
</tr>
<tr>
<td>Trustees</td>
<td>5, 6</td>
</tr>
<tr>
<td>Tuition</td>
<td>14</td>
</tr>
<tr>
<td>Typewriting, Courses in</td>
<td>59</td>
</tr>
</tbody>
</table>