

4-1948

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Central Washington University

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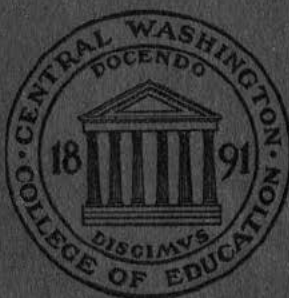
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CENTRAL WASHINGTON COLLEGE OF EDUCATION

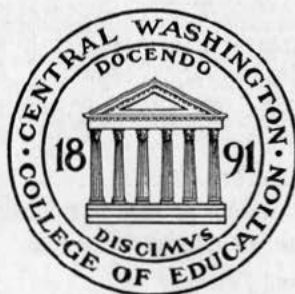
*Ellensburg..
Washington*



GENERAL
CATALOG
and ANNOUNCEMENTS
1948 - 1949
PUBLISHED QUARTERLY
ELLENSBURG
WASHINGTON

THE QUARTERLY
OF THE
Central Washington College
of Education

ELLENSBURG, WASHINGTON



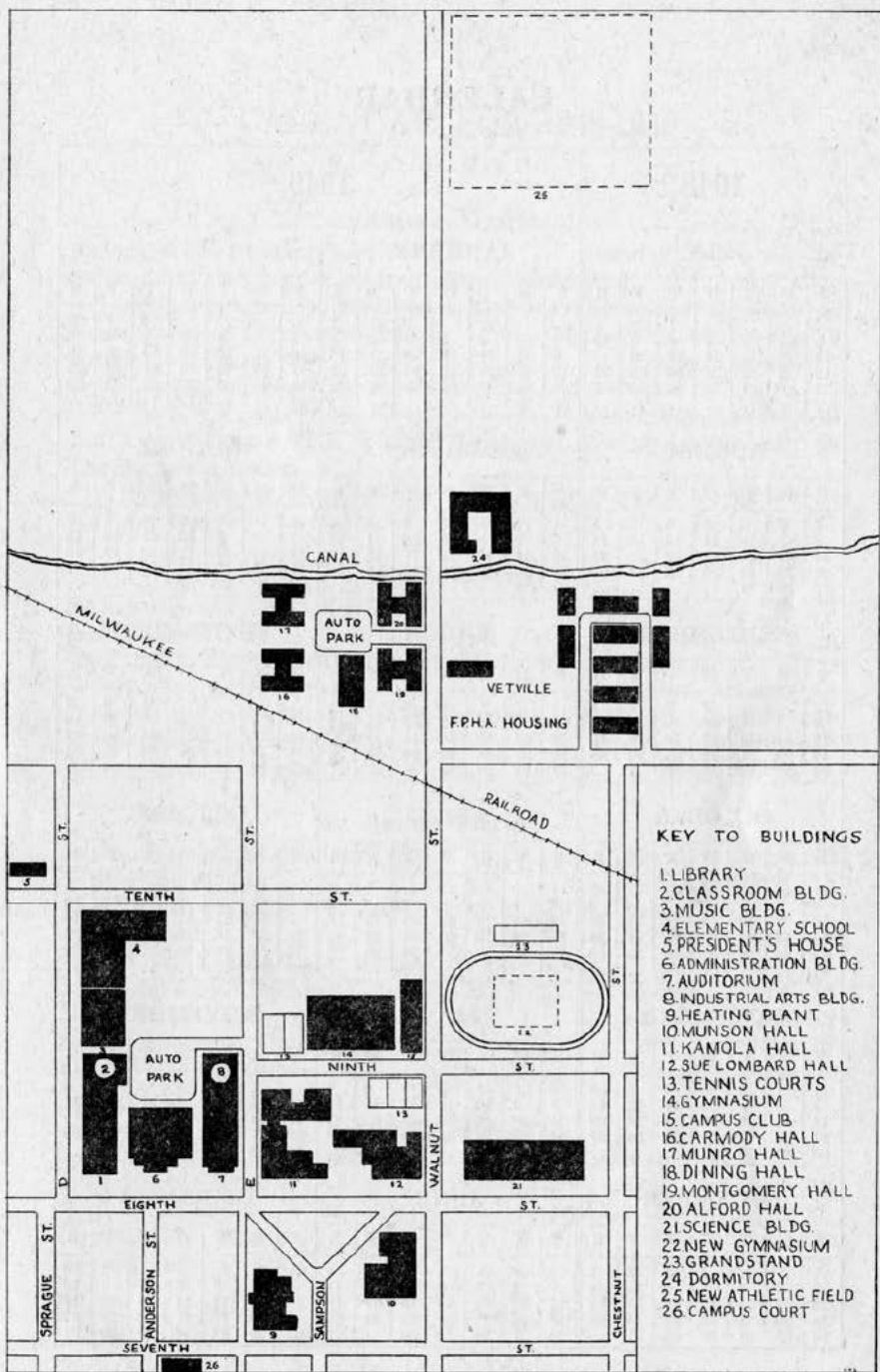
GENERAL CATALOG
1948-1949

This college is accredited by the
American Association of Teachers Colleges
and the
Northwest Association of Secondary and
Higher Schools
and has been approved by the
United States Attorney General as an institution for non-quota
immigrant students

Entered at the Ellensburg, Washington, Post Office as
Second Class Matter

TABLE OF CONTENTS

	<i>Page</i>
Map of Campus.....	3
Calendar for 1948-1949.....	4, 5
Official Directory.....	6
Board of Trustees.....	6
Administrative Officers.....	6
Division Chairmen.....	6
State Board of Education.....	6
Student Personnel Officers.....	6
Secretaries and Assistants.....	7
The Faculty.....	7
Faculty Committees.....	13
General Information.....	14
Expenses.....	23
Guidance and Activities.....	26
The Curriculum.....	31
Admissions.....	31
The College of Education.....	35
Program for the Bachelor of Arts in Education Degree.....	35
Program for Master of Education Degree.....	57
The College of Arts and Sciences.....	59
Arts and Sciences Program.....	59
Junior College and Pre-Professional Programs.....	65
Description of Courses.....	81
Education, Philosophy, and Psychology.....	81
Fine Arts.....	90
Industrial Arts.....	92
Health, Physical Education and Recreation.....	95
Home Economics.....	100
Languages and Literature.....	102
Speech and Drama.....	104
French Language and Literature.....	105
Spanish.....	106
Library Science.....	106
Music.....	107
Science and Mathematics.....	110
Social Sciences.....	118
Index.....	127



CENTRAL WASHINGTON COLLEGE CAMPUS

CALENDAR

1948								1949															
JULY								JANUARY								JULY							
S	M	T	W	T	F	S		S	M	T	W	T	F	S		S	M	T	W	T	F	S	
..	..	..	..	1	2	3	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	2
4	5	6	7	8	9	10	..	2	3	4	5	6	7	8	..	3	4	5	6	7	8	9	..
11	12	13	14	15	16	17	..	9	10	11	12	13	14	15	..	10	11	12	13	14	15	16	..
18	19	20	21	22	23	24	..	16	17	18	19	20	21	22	..	17	18	19	20	21	22	23	..
25	26	27	28	29	30	31	..	23	24	25	26	27	28	29	..	24	25	26	27	28	29	30	..
..	..	..	..	..	..	..	..	30	31	..	..	..	..	..	..	31	..	..	..	..	..	..	..
AUGUST								FEBRUARY								AUGUST							
S	M	T	W	T	F	S		S	M	T	W	T	F	S		S	M	T	W	T	F	S	
1	2	3	4	5	6	7	..	..	..	1	2	3	4	5	..	..	1	2	3	4	5	6	..
8	9	10	11	12	13	14	..	6	7	8	9	10	11	12	..	7	8	9	10	11	12	13	..
15	16	17	18	19	20	21	..	13	14	15	16	17	18	19	..	14	15	16	17	18	19	20	..
22	23	24	25	26	27	28	..	20	21	22	23	24	25	26	..	21	22	23	24	25	26	27	..
29	30	31	..	..	..	..	..	27	28	..	..	..	..	..	..	28	29	30	31	..	..	..	..
SEPTEMBER								MARCH								SEPTEMBER							
S	M	T	W	T	F	S		S	M	T	W	T	F	S		S	M	T	W	T	F	S	
..	..	..	1	2	3	4	..	..	..	1	2	3	4	5	..	..	..	..	1	2	3	4	5
5	6	7	8	9	10	11	..	6	7	8	9	10	11	12	..	6	7	8	9	10	11	12	..
12	13	14	15	16	17	18	..	13	14	15	16	17	18	19	..	11	12	13	14	15	16	17	..
19	20	21	22	23	24	25	..	20	21	22	23	24	25	26	..	18	19	20	21	22	23	24	..
26	27	28	29	30	..	..	..	27	28	29	30	31	..	..	..	25	26	27	28	29	30	..	..
OCTOBER								APRIL								OCTOBER							
S	M	T	W	T	F	S		S	M	T	W	T	F	S		S	M	T	W	T	F	S	
..	..	..	..	1	2	..	..	..	..	..	..	..	1	2	..	..	..	..	..	..	..	1	2
3	4	5	6	7	8	9	..	3	4	5	6	7	8	9	..	3	4	5	6	7	8	9	..
10	11	12	13	14	15	16	..	10	11	12	13	14	15	16	..	10	11	12	13	14	15	16	..
17	18	19	20	21	22	23	..	17	18	19	20	21	22	23	..	17	18	19	20	21	22	23	..
24	25	26	27	28	29	30	..	24	25	26	27	28	29	30	..	24	25	26	27	28	29	30	..
31	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	31	..	..	..	..	..	..
NOVEMBER								MAY								NOVEMBER							
S	M	T	W	T	F	S		S	M	T	W	T	F	S		S	M	T	W	T	F	S	
..	1	2	3	4	5	6	..	1	2	3	4	5	6	7	..	..	1	2	3	4	5	6	..
7	8	9	10	11	12	13	..	8	9	10	11	12	13	14	..	7	8	9	10	11	12	13	..
14	15	16	17	18	19	20	..	15	16	17	18	19	20	21	..	14	15	16	17	18	19	20	..
21	22	23	24	25	26	27	..	22	23	24	25	26	27	28	..	21	22	23	24	25	26	27	..
28	29	30	..	..	..	..	..	29	30	31	..	..	..	..	..	27	28	29	30	..	..	..	..
DECEMBER								JUNE								DECEMBER							
S	M	T	W	T	F	S		S	M	T	W	T	F	S		S	M	T	W	T	F	S	
..	..	..	1	2	3	4	..	..	..	..	1	2	3	4	..	..	..	..	..	1	2	3	..
5	6	7	8	9	10	11	..	5	6	7	8	9	10	11	..	4	5	6	7	8	9	10	..
12	13	14	15	16	17	18	..	12	13	14	15	16	17	18	..	11	12	13	14	15	16	17	..
19	20	21	22	23	24	25	..	19	20	21	22	23	24	25	..	18	19	20	21	22	23	24	..
26	27	28	29	30	31	..	..	26	27	28	29	30	..	..	..	25	26	27	28	29	30	31	..

CALENDAR FOR 1948-1949

Autumn Quarter

Reception for Students and Parents.....	Sunday, September 26
Orientation and Registration of New Students.....	
.. Monday, Tuesday, Wednesday, Thursday, September 27, 28, 29, 30	
Registration of Former Students.....	Wednesday, September 29
Instruction Begins	Friday, October 1
Last Day to Register With Late Fee or to Add a Course.....	
.....	Wednesday, October 13
Last Day to Drop a Class Without Penalty....	Wednesday, October 20
Thanksgiving Recess	
.... Wednesday, November 24, 1:00 p. m. to Monday, November 29	
Autumn Quarter Closes, Noon.....	Friday, December 17

Winter Quarter

Registration of All Students.....	Monday, January 3
Instruction Begins	Tuesday, January 4
Last Day to Register With Late Fee or to Add a Course.....	
.....	Friday, January 14
Last Day to Drop a Class Without Penalty.....	Friday, January 21
Washington's Birthday, Holiday.....	Tuesday, February 22
Winter Quarter Closes, Noon.....	Friday, March 18

Spring Quarter

Registration of All Students.....	Monday, March 28
Instruction Begins	Tuesday, March 29
Last Day to Register With Late Fee or to Add a Course.....	
.....	Friday, April 8
Last Day to Drop a Class Without Penalty.....	Friday, April 15
Memorial Day, Holiday	Monday, May 30
Baccalaureate Services	Sunday, June 5
Commencement Exercises.....	Sunday, June 5
Spring Quarter Closes, Noon.....	Thursday, June 9

Summer Quarter

Registration of All Students.....	Wednesday, June 15
Instruction Begins	Thursday, June 16
First Term Closes.....	Friday, July 15
Second Term Begins.....	Monday, July 18
Second Term Closes.....	Tuesday, August 16

OFFICIAL DIRECTORY

BOARD OF TRUSTEES

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DON M. TUNSTALL.....	Yakima

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WAYNE S. HERTZ.....	Music
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A. J. FOY CROSS.....	Extension Training and Visual Education

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ROBERT G. FISK.....	Dean of Men
BARBARA HOFFMAN.....	Director of Dormitories

FRANCES NORQUIST.....	College Nurse
ETHEL SEARS.....	Supervisor of Alford Hall
MABEL CRUM.....	Supervisor of Carmody Hall
To be appointed.....	Supervisor of Elwood Hall
VELMA PRATER.....	Supervisor of Kamola Hall
BERNICE CUTLER.....	Supervisor of Montgomery Hall
MAE BARTH.....	Supervisor of Munro Hall
ALICE PRATER.....	Supervisor of Munson Hall
ALBERTA WALTERS.....	Supervisor of Sue Lonbard Hall

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CLYO WEBBER.....	Secretary to the Director of Instruction
LUCILLE WEYRAUCH.....	Secretary to the Registrar
LORENE ISAACS.....	Secretary to the Director of Personnel
J. A. CLEMAN.....	Assistant Accountant
RUTH SKIFFINGTON.....	Secretary to the Business Manager
JESSIE WILSON.....	Secretary to the Director of Extension and Visual Education
LEONA CONLEE.....	Secretary to the Dean of Women
BETTY IRELAND.....	Secretary to the Dean of Men
LILLIAN JONGEWARD.....	Secretary to the Librarian
PEGGY PARKER.....	Student Housing Secretary
DON JONGEWARD.....	Superintendent of Buildings
E. A. RANHEIM.....	Chief Engineer

THE FACULTY, 1948-49

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ERNEST L. MUZZALL.....	Director of Instruction B.A. (Ed.), M.A. (Ed.), State College of Washington; Graduate Stu- dent, Stanford University.
EMIL E. SAMUELSON.....	Director of Student Personnel B.A., Milton College; M.A., Ph.D., University of Wisconsin; Graduate Student, Teachers College, Columbia University.
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A. J. FOY CROSS.....	Director of Extension Teaching and Audio-Visual Aids A.B., Nebraska State Teachers College, Wayne; M.A., Ph.D., Univer- sity of Nebraska.
BERT C. CROSS.....	Director of Publications B.A., University of Washington.

Education and Psychology

- CHARLES W. SAALE.....Professor of Education
A.B., A.M., Colorado State College of Education; Ph.D., State University of Iowa.
- MABEL T. ANDERSON.....Associate Professor of Education
B.A., State College of Washington; M.A., Teachers College, Columbia University; Graduate Student, University of California.
- LILLIAN M. BLOOMER.....Assistant Professor of Education
B.A. (Ed.), Central Washington College of Education; Graduate Student, Ohio State University.
- LEWIE W. BURNETT.....Assistant Professor of Education
B.A. (Ed.), Central Washington College of Education; M.A., Stanford University; Graduate Student, Stanford University.
- A. J. FOY CROSS.....Professor of Education
A.B., Nebraska State Teachers College, Wayne; M.A., Ph.D., University of Nebraska.
- ROBERT G. FISK.....Assistant Professor of Psychology
B.A., Ph.M., University of Wisconsin.
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B.A., M.A., Teachers College, Columbia University; Ed.M., Michigan State Normal College.
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B.A., Whitman College; M.A., Stanford University; Graduate Student, University of California, University of Oregon, and Teachers College, Columbia University.

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B.A., Eastern Washington College of Education; M.A., Teachers College, Columbia University; Graduate Student, University of Washington and University of Oregon.
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B.S., University of Oregon; Graduate Student, University of Oregon.

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B.S., Stout Institute; M.A., Ohio State University; Graduate Stu-
dent, Cranbrook Academy.
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B.A., M.A., State University of Iowa; Graduate Student, Harvard
University, and Grand Central School of Art, New York.

Home Economics

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B.S., M.S., University of Washington; Graduate Student, Iowa State
College.
- BARBARA J. ADAM.....Instructor in Home Economics
B.S., Oregon State College; M.S., Iowa State College.
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B.S., M.A., University of Washington; Graduate Student, University
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LL.B., University of Washington; Graduate Student, University of
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California.
- MARY O. BOWMAN.....Instructor in Physical Education
B.A. (Ed.), Central Washington College of Education; M.S., Uni-
versity of Oregon.
- ARNOLD H. FAUST.....Assistant Professor of Physical Education
B.A., University of Washington; Graduate Student, University of
Oregon, and University of Washington.
- DELORES GARRISON.....Assistant Professor of Physical Education
B.A., University of Washington; M.A., New York University.
- SHELTON D. KEM.....Instructor in Physical Education
B.A., University of Washington; Graduate Student, University of
Washington.
- SHIRLEY NELSON.....Instructor in the Dance
B.A., University of Washington; M.S., Wellesley College.
- FRANCES NORQUIST.....Instructor in Nursing
Minor Hospital, Seattle, R.N.; Certificate of Public Health, Univer-
sity of Washington.
- JESSE L. PUCKETT.....Associate Professor of Physical Education
B.A., M.S., University of Oregon; Graduate Student, University of
California.
- LINWOOD E. REYNOLDS.....Assistant Professor of Physical Education
B.A., University of Montana; M.A., Stanford University; Graduate
Student, University of Washington.

*Central Washington College***Language, Literature and Speech**

- CATHARINE BULLARD**.....Professor of English
A.B., Rio Grande College; B.S., M.A., Ph.D., University of Minnesota.
- HAZEL BRAIN**.....Assistant Professor of English
B.A., Central Washington College of Education; M.A., Northwestern
University; Graduate Student, Maholy Nagy School of Design,
Chicago.
- BERT C. CROSS**.....Instructor in Journalism
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- SIDNIE M. DAVIES**.....Assistant Professor of English
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B.A., M.A., University of Washington; Graduate Student, Univer-
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B.A., University of North Dakota; M.A., Teachers College, Columbia
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Columbia University; Graduate Student, Teachers College, Colum-
bia University.
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A.B., Brigham Young University; M.A., Columbia University; Ph.D.,
University of Michigan.

Music

- WAYNE S. HERTZ**.....Professor of Music
B.S. (Mus.Ed.), University of Illinois; M.M., Northwestern Univer-
sity; Graduate Student, New York University.
- HERBERT A. BIRD**.....Assistant Professor of Music
Mus.B., Oberlin Conservatory of Music; M.A., Teachers College,
Columbia University.
- A. BERT CHRISTIANSON**.....Assistant Professor of Music
B.S. (Ed.), University of North Dakota; M.S. (Mus.Ed.), University
of Idaho.
- JUANITA DAVIES**.....Associate Professor of Music
B.M., M.M., Chicago Conservatory of Music; Student, Ripon College,
and MacPhail School of Music.
- STEPHEN G. HOBSON**.....Assistant Professor of Music
B.A., Iowa State Teachers College; M.A., Northwestern University.
- LAWRENCE H. MOE**.....Associate Professor of Music
B.M.E., M.M., Northwestern University; Graduate Student, Harvard
University.
- MARGARET E. SCRUGGS**.....Assistant Professor of Music
B.S., Oberlin College; M.M., Northwestern University.

Science and Mathematics

- EDMUND L. LIND.....Professor of Chemistry
B.A., Wabash College; Ph.D., University of Chicago; Post-doctoral Student, Johns Hopkins University; Polytechnic Institute of Brooklyn; University of Chicago.
- GEORGE F. BECK.....Professor of Geology
B.S., State College of Washington; Graduate Student, University of Washington, and University of California.
- DOROTHY DEAN.....Associate Professor of Biological Science
B.S., Montana State College; M.S., University of Chicago.
- CARL G. JOHNSON.....Instructor in Science and Mathematics
B.S., University of Washington; Graduate Student, University of California, and University of Washington.
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A.B., Washburn University; M.A., Ph.D., University of Kansas.
- H. RUSSELL McARTHUR.....Assistant Professor of Physics
B.S., University of British Columbia; M.A., University of Washington; Graduate Student, University of British Columbia.
- WILFRED W. NEWSCHWANDER. Associate Professor of Physical Science
B.A., Whitman College; Ph.D., University of Washington; Post-doctoral Student, University of California, Berkeley.
- HAROLD W. QUIGLEY.....Professor of Zoology
B.S., University of Oregon; M.A., University of Chicago; Graduate Student, University of Oregon, and University of Illinois.
- BRUCE ALAN ROBINSON.....Assistant Professor of Mathematics
B.S., M.S., University of Washington; Graduate Student, University of Washington.

The Social Sciences

- HAROLD S. WILLIAMS.....Professor of Economics
B.A., M.A., Ph.D., State University of Iowa.
- HAROLD E. BARTO.....Professor of History
B.S., University of Oregon; M.S. (Ed.), University of Idaho.
- ALICE BROWN.....Instructor in Commercial Education
B.A., State College of Washington; Graduate Student, State College of Washington.
- ROBERT S. FUNDERBURK.....Assistant Professor of Geography
B.A., Furman University, South Carolina; M.A., University of North Carolina; Ph.D., George Peabody College for Teachers.
- RUEBEN ARTHUR HALL.....Instructor in Economics
B.A., M.A., University of Washington.
- SAMUEL R. MOHLER.....Associate Professor of History
A.B., Manchester College; B.D., Yale University; M.A., University of Washington; Ph.D., University of Chicago.
- ELWYN H. ODELL.....Associate Professor of Political Science
A.B., Albion College; Ph.D., University of Southern California.
- REGINALD M. SHAW.....Professor of Geography
B.A., M.S., Ph.D., University of Wisconsin.

ALVA E. TREADWELL . . . Associate Professor of Commercial Education
B.A., M.A., State College of Washington; C.P.A.

J. RICHARD WILMETH . . . Associate Professor of Sociology
B.A., M.A., University of Iowa; Ph.D., Cornell University.

Library Staff

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B.A., Macalester College; Library Certificate, University of California; Graduate Student, Columbia University.

MARY G. GREENE . . . Catalog Librarian
A.B., Kansas Wesleyan University; M.A., Radcliffe College; B.S. in L.S., University of Denver.

MARGARET MILLER . . . Circulation and Reference Librarian
B.A., College of Puget Sound; B.A. in Librarianship, University of Washington.

ISABEL TULLIS . . . Reference Librarian
A.B., Wittenberg College; M.A., University of Michigan; B.S. in L.S., Western Reserve University.

ANNETTE WALKER . . . Children's Librarian
B.S., Eastern Tennessee Teachers College; B.S. in L.S., George Peabody College for Teachers.

College Elementary School

AMANDA K. HEBELER . . . Director of Student Teaching
B.S., M.A., Teachers College, Columbia University; Ed.M., Michigan State Normal College.

RUTH L. WOODS . . . Instructor in Education, Nursery School
B.A. (Ed.), Central Washington College of Education.

ALICE MARIE JENSEN . . . Assistant Professor of Education, Kindergarten
B.S., M.A., Northwestern University.

BARBARA E. KOHLER . . . Assistant Professor of Education, First Grade
B.A. (Ed.), Central Washington College of Education; M.A., Teachers College, Columbia University.

RUBY McINNES . . . Assistant Professor of Education, Second Grade
B.A., University of Washington; M.A., Teachers College, Columbia University.

MARGARET ANKENNEY . . . Assistant Professor of Education, Third Grade
A.B., M.A., Colorado State College of Education.

H. IRENE HALLBERG . . . Assistant Professor of Education, Fourth Grade
B.S., State Teachers College, Milwaukee, Wisconsin; M.A., Northwestern University.

GLADYS M. HUNTER . . . Assistant Professor of Education, Fifth Grade
B.A., State Teachers College, Valley City, North Dakota; M.A., Teachers College, Columbia University; Graduate Student, Colorado State College of Education, and State College, San Jose.

FRANCES S. SHUCK . . . Assistant Professor of Education, Sixth Grade
B.S. (Ed.), Central Missouri State Teachers College; A.M., Colorado State College of Education.

EVELYN PIPER . . . Assistant Professor of Education, General
B.S., Maryville State Teachers College; M.A., Teachers College, Columbia University.

FACULTY COMMITTEES

1948-49

The President is ex-officio a member of all committees.

Academic Affairs—President McConnell, Miss Bullard, Miss Hebel, Mr. Hertz, Mr. Hogue, Mr. Lind, Miss Michaelson, Mr. Muzzall, Mr. Nicholson, Mr. Rogel, Mr. Saale, Mr. Samuelson, Mr. Williams.

Administrative Council—President McConnell, Mr. Courson, Mr. Muzzall, Mr. Rogel, Mr. Samuelson.

Assemblies and Programs—President McConnell, Mr. Hertz, Mr. Howell, A.W.S. President, S.G.A. President.

Faculty Council—Mr. Wilmeth, Miss Burley, Mr. Courson, Mr. A. J. F. Cross, Miss Dean, Mr. Funderburk, Miss Kohler, Mr. Lind, Miss Miller, Mr. Samuelson, Mr. Sogge.

Graduate Study—Mr. Muzzall, Miss Bullard, Mr. Lind, President McConnell, Miss L. Miller, Mr. Saale, Mr. Samuelson.

Memorials—Miss Hebel, Miss Anderson, Miss Mount, Mr. Quigley, Mr. Stephens.

Scholarships Committee—Mr. Muzzall, Miss Dean, Mr. Samuelson, Miss Simpson, Mr. Rogel.

Student Activity Advisers—Athletics, Mr. Sogge; Budget and Accounting, Mr. Courson; Campus Crier, Mr. Bert Cross; Dramatics, Mr. Howell; Hyakem, Mr. Hogue; Music, Mr. Hertz; Social Affairs, Mrs. Hitchcock; Women's Athletics, Miss Puckett.

Student Employment—Mr. Courson, Mr. Fisk, Mrs. Hitchcock, Mrs. Shelton.

Student Health—Mr. Nicholson, Miss Norquist, Miss Puckett, Mr. Samuelson.

Student Loan Fund—Mr. Muzzall, Mr. Courson, Mrs. Hitchcock, Mr. Samuelson.

Student Personnel—Mr. Samuelson, Miss Hebel, Mr. Fisk, Mrs. Hitchcock, Mr. Muzzall, Mr. Rogel.

Student Teaching Committee—Mr. Saale, Mr. Burnett, Miss Hebel.

Student Welfare—Miss Miller, Mr. Kem, Mr. Partridge, Miss Shuck, Mr. Thompson.

Veterans' Advisory Committee—Mr. Muzzall, Mr. Fisk, Mr. Rogel, Mr. Samuelson.

Part II

GENERAL INFORMATION

The Central Washington College of Education at Ellensburg is an integral part of the system of higher education maintained by the State of Washington. It is governed by a board of trustees appointed by the governor of the state and is supported almost entirely by legislative appropriations. No tuition is charged and students pay only such fees as are used in their own activity.

HISTORICAL STATEMENT

The first state legislature which met in 1890 passed a law establishing the Washington State Normal School at Ellensburg. The institution was known by that name until the legislature of 1937 changed the name to the Central Washington College of Education. In 1933 the legislature authorized the college to grant the Bachelor of Arts degree. In 1947 the legislature authorized the college to grant the Bachelor of Arts degree in the Arts and Sciences and the Master of Education degree. The college received the first appropriation for its maintenance in 1891. The college opened September 6, 1891, and will complete the fifty-sixth year of its service to the citizens of the state at the close of the school year 1947-48.

The first president of the institution was Benjamin F. Barge, who served from 1891 to 1894. He was followed by P. A. Getz, 1894-1898. W. E. Wilson was president from 1898 to 1916; George Black from 1916 to 1930. Selden F. Smyser was acting-president for the year 1930-1931. Robert E. McConnell was appointed in 1931.

BUILDINGS AND EQUIPMENT

The college plant includes the Administration Building, the College Elementary School, Science Building, Library, Classroom Building, Industrial Arts Building, Music Building, College Auditorium, Gymnasium, Heating and Power Plant, and the residence of the college president. The college maintains nine residence halls including Sue Lombard, Kamola, and Ellwood halls for women and Munson, Carmody, Alford, Montgomery and Munro halls for men. A new women's dormitory is now under construction and should be ready for occupancy in the fall of 1948.

All this equipment has been set aside for educational purposes. It comprises a portion of the rapidly increasing public wealth. It belongs to all the people of the state and the people who contributed to the erection of the plant, through their contributions in the form of taxes, expect no money return, but they do expect that this equipment will be used, free of charge, by the young people of the state. The state not only presents this physical equipment to the use of all citizens, but pays for the instruction for all who wish to come. This is a heritage that is worthy of the foresight which characterized the pioneers who established this institution in 1890.

GEOGRAPHICAL FEATURES, CLIMATE AND ACCESSIBILITY

Ellensburg is located near the geometrical center of the state. If one were to take a map of Washington and draw a line from Vancouver to the extreme northeast corner of the state and then another line from Neah Bay to the southeast corner of the state, the lines would cross just a few miles to the northeast of the city.

The city, which lies at an elevation of fifteen hundred feet above sea level, is in the center of the beautiful Kittitas Valley on the eastern slope of the Cascade Mountains. Mount Stuart of the Wenatchee Range can be seen to the north and Mount Rainier to the southwest.

The floor of the valley slopes to the east and south. Since the Highline Irrigation Project was completed, practically all the tillable land can be irrigated. Little rain falls from the first of March to the first of November, and yet as one enters the valley on either of the trunk railroads or any of the highways, one sees thousands of acres of productive land. The appearance of the entire valley gives one the impression of a well-watered and very fertile plain. It is difficult to realize that this section was once a part of the great American desert.

Ellensburg is thirty-six miles from Yakima, seventy miles from Wenatchee, one hundred ten miles from Seattle, and one hundred twenty-three miles from Tacoma. The main lines of the Northern Pacific and the Milwaukee railroads cross the valley. Paved highways connect Ellensburg with Yakima and give easy access to all points to the east, through the Blewett Pass to Wenatchee and the Okanogan country, and through the Snoqualmie Pass to the Puget Sound area. The Greyhound Lines maintain a terminal in Ellensburg and operate coaches over all highways.

The climate is of the inland type. The winters are mild with an occasional period of zero weather when skating, skiing, and sleighing are popular sports. In the spring, windy days are followed by weather most invigorating. The summers are moderate. The few warm days are forgotten when the breezes again blow over the Cascades. The autumn is the most perfect season of the year. The days are clear and calm. The climate, as a whole, conforms to that recommended by geographers as the type most stimulating to intellectual endeavor and to physical well-being.

EDUCATIONAL, CULTURAL, SOCIAL, AND RELIGIOUS OPPORTUNITIES AFFORDED BY THE COMMUNITY

Seven thousand people reside within the corporate limits of the city of Ellensburg, though it is the trade center of a much larger population. In addition to the College, the educational institutions consist of three elementary schools, a junior high school, a senior high school, and the Lourdes Academy.

Ellensburg and the Kittitas Valley were settled by a vigorous, well-educated, and cultured people. Many of the social customs and

traditions of the pioneers have persisted. Among these is the famous Ellensburg Rodeo, a colorful annual event. Members of the faculty take an active part in the service clubs and other organizations. The business men of the city help finance the school publications.

There are nine churches in which many students and faculty members actively participate. The ministers and members welcome students to the denomination of their choice and the opportunity is thus presented for the development of leadership ability in religious work and for service to the community.

LECTURES, ENTERTAINMENTS, AND ASSEMBLIES

The Student Government Association holds assemblies at the call of and under the direction of student officers.

Regular all-college assemblies are held weekly. Programs are planned to include entertainment features and lectures by members of the faculty and by visitors of note brought to the school especially for this purpose.

Under the auspices of both the College and the Associated Students, a broad program of entertainment and instruction is planned each year as a type of supplementary education. Nationally and internationally known lectures and entertainers are selected.

PART TIME EMPLOYMENT

The College will aid students in finding opportunities for self-help. Inquiries regarding employment should be addressed to the office of the Director of Student Employment. Work in private homes for board and room constitute a large field of employment for women. Clerical work in offices and stores is available to those who have skill in typing and stenography. A limited number of women are employed in the kitchen and dining room service, and the library.

Means of self-support for men are: part-time janitor service, clerical work in offices and stores, garden and lawn work, caring for furnaces, garage work, hotel work, tending stock, assisting in laboratories, and odd jobs by the hour.

All students attempting to earn the entire amount of their college expenses should reduce their study programs proportionately.

STUDENT LOAN FUNDS

The student loan fund is a revolving fund administered by the College. Each year the fund is augmented by the fee of \$1.00 which is paid by each applicant for a diploma. Applications for loans may be made at the office of the Director of Instruction. All applicants must have had a residence at the College of at least one quarter and attained an acceptable scholastic record before asking for financial assistance.

The Kiwanis Club of Ellensburg established a Loan Fund of \$100.00 October 3, 1931. The club maintains ownership of the fund

but turns the power of distribution over to the committee on student loans both as to the amount to be loaned per student and the purpose of the loan. The Kiwanis Club desires to keep this loan fund an active and revolving fund indefinitely.

The Ellensburg Rotary Club, in November, 1931, created a fund of \$500.00. Loans are made available for short periods to men students of proved ability who give promise of becoming successful teachers. Requests for loans from this fund should be made to the committee on student loans of the College.

The local chapter of the P.E.O. organization, the national P.E.O. organization, and the Ellensburg Study Club all have loan funds available to students. Application is made to the special committees of these organizations upon the recommendation of the Student Loan Committee of the College.

The Lee A. Paul Fund was established in 1943 for the purpose of making small, short-time, non-interest bearing loans to students. Applications should be made to the chairman of the student loan committee.

The Association for Childhood Education, an organization of those interested in primary and kindergarten teaching, contributes each year to the Student Loan Fund.

There are two emergency loan funds for women. One is provided by the Junior Federation of Women's Clubs of Washington and the other by the Associated Women Students of the College. Loans are limited to ten dollars per student for a period of two weeks. No interest is charged. Applications should be made to the Dean of women.

HONOR AWARDS

The following awards are made yearly at the time of the June commencement:

Associated Students' Award. Three plaques are awarded annually at the close of the year to three outstanding seniors. The award will be made on the basis of scholastic achievement, contribution to college life, leadership ability, and character.

Associated Women Students Scholarship Plaque. This plaque will be awarded each year to the women's residence group which has the highest general scholarship average. All women residence groups and Off-campus women compete for the award.

Elks Club Captains' Plaque. A placque upon which is placed the names of captains of the major sports.

Balcom and Moe Plaque. A plaque upon which is placed the name of the individual baseball player who has been of greatest inspiration to his teammates.

Lee Scott Award. This trophy is awarded to the individual basketball player elected by the team as its greatest inspiration.

Rotary Club Medal. This medal is awarded to the individual football player who has been of greatest inspiration to his teammates.

Junior Chamber of Commerce Track Trophy. This is a plaque on which the names of Conference Record holders in track are placed.

SCHOLARSHIPS

Associated Women Students Recognition Award. Two scholarships of twenty-five dollars are offered each year to two members of the Associated Women Students, one an off-campus girl and one a dormitory girl, who though almost wholly self-supporting, have at the same time maintained a high average scholarship and whose leadership ability, character, and personality have been outstanding.

Altrusa Club Scholarship. A scholarship of fifty dollars is offered each year to a girl of the Ellensburg High School having qualities which the club recognizes as desirable for a student seeking a higher education.

Jennie Moore Memorial Scholarship. This scholarship of fifty dollars is awarded on the basis of personality traits and professional promise.

The John P. Munson Scholarships. These are awarded annually to several students who manifest creative qualities during their college study. The awards for 1948-1949 will be for amounts of \$150.00 and will be granted to eleven students who will be juniors and seniors. They are selected on the basis of superior scholarship, initiative, character, originality, need, self-confidence and the ability to do independent thinking.

These scholarships were provided for in the will of Mrs. Sophia Munson as a memorial to her husband Professor John P. Munson who was for many years an eminent member of the staff of the Central Washington College of Education.

The Helen Clarke Wilson Memorial Scholarship. In 1947 the Washington Congress of Parents and Teachers established a scholarship of \$100.00 to be awarded to an outstanding high school senior who has chosen teaching as a career. The selection is made in May each year by the Scholarship Committee and is based upon the high school record, including both scholarship and activities; health and vitality; social adjustment; general culture; need; and professional promise.

The Effie I. Raitt Memorial Scholarship. This scholarship of twenty-five dollars was established in 1946 by Miss Helen Michaelsen. It is awarded annually to a sophomore or junior Home Economics major or minor who has maintained a 3 point grade average or better, and who has shown professional interest in home economics through the work of the department and participation in Home Economics Club activities.

The Ralph Wilson Memorial Scholarship. A scholarship of fifty dollars will be offered at the end of each scholastic year to the most

deserving freshman music student who has maintained a high scholarship record throughout his freshman year. This scholarship is a memorial to Mr. Ralph Wilson, offered by Mrs. Ralph Wilson, in remembrance of his lifelong interest in music.

Student Housing

Central Washington College is well-equipped to house its students. There are three residence halls for women, Kamola Hall, Sue Lombard Hall, and one other, and five for men. All first-year students are expected to live in the dormitories. However, if one enters with a good high school record and appears able to carry regular school work, special arrangements may be made with the Dean of Men or Dean of Women. All students entered on condition must live in one of the halls. Three college dining rooms serve the students living in the dormitories.

Sixty college housing units are provided for married students.

STUDENT HEALTH SERVICE

The college maintains a complete health service under the direction of the Department of Health and Physical Education. The college employs a full-time registered nurse who is available for consultation and, by special arrangement, the local clinic is available for expert medical service to all students. The college cooperates with the State Department of Health in providing an annual tuberculosis check-up.

A thorough health examination by the school physician is required of all students at the beginning of the first quarter of residence and thereafter at least once a year. **Students who fail to comply with this regulation will be dropped from college.** Medical advice and office treatment are free to all students. Prevention of disease and health education are an essential part of the health service. A late fee of \$5.00 will be imposed for failure to keep health examination appointment.

THE LIBRARY

The College Library is housed in a separate building. On the main floor are located the offices of the President, the office of the Librarian, reading and reference rooms. The Library Science classroom and the Northwest History reading rooms are on the second floor.

The library contains 44,000 volumes. The main lending collection of books and pamphlets is shelved in a four-tiered stack room. There are the following special collections: The Herbert C. Fish Memorial Library of 500 volumes on Pacific Northwest history; exhibit collection of textbooks; exhibit collection of children's books; a juvenile library of 5,200 volumes housed in the College Elementary School; and in addition to an extensive file of unbound periodicals, 5,000 volumes of bound magazines.

PLACEMENT SERVICE

The College maintains an active placement service. This office renders valuable service to graduating students and alumni who are seeking teaching positions. A record of the work and qualifications of each graduate is kept on file in the placement office; it is thus possible for the placement office to submit accurate and complete data on each candidate recommended to school officials. The placement director endeavors to become acquainted with all graduating students and alumni desiring placement service. When teaching vacancies are reported to the placement office, the Director is able to recommend candidates whose qualifications meet the requirements of the vacancy reported.

ACCREDITATION

The Central Washington College of Education is a member of the American Association of Teachers Colleges and the Northwest Association of Secondary and Higher Schools, and is accredited by all schools which are members of these associations. It is also accredited by all standard universities and colleges in the Northwest. This means that a student may pursue work at this college and the credits earned will be accepted by the other higher institutions either as meeting a portion of the requirements in the institution to which the transcript of record has been issued, or will be accepted by that institution as elective credits. This institution has a reciprocal relationship with other accredited institutions. Credits earned at any of these will be accepted in so far as the work taken articulates with the elements of the required curriculum.

Because of the sequence of required professional courses, a student who transfers to Central Washington College cannot hope to be certified for teaching in less than four quarters unless a portion of the professional work has been taken elsewhere. In no case can one be certified in less than three quarters of residence study.

This College has also been approved by the United States Attorney General as an institution for non-quota immigrant students.

VETERANS' EDUCATION

The College has made numerous adjustments to assist veterans who wish to continue their education. Curriculum adjustments and provisions for the housing of both married and single veterans have been made as rapidly as circumstances have permitted.

Veterans will find Central Washington College a desirable place in which to continue their education. Living accommodations on the campus are low in cost and excellent in quality. The location of the College in Ellensburg, a city of 7,000 population situated near the great Cascade Range and in a highly developed and prosperous agricultural area, is attractive to those who wish to study under favorable conditions.

A complete professional program in teacher education leading to the Bachelor's and Master's Degrees in Education, the Bachelor of Arts Degree in the Arts and Sciences, pre-professional courses in many fields, general college courses and terminal courses varying from one to two years are available. Small classes make possible the associations and experiences so essential to a successful college life.

Admission of Veterans

1. Veterans who are graduates of accredited high schools are admitted on the same basis as other graduates.
2. Veterans who are not graduates of accredited high schools may be admitted by either or both of the following methods:
 - a. By taking the General Educational Development Examination of the Armed Forces Institute (this may be taken at the College) or
 - b. By earning forty-five quarter credits, exclusive of physical education activities, with a minimum grade point average of "C," plus the recommendation of the personnel committee. Non-high school graduates who can show a reasonable expectancy of doing successful college work will be permitted to enroll under this provision.

Credit for Military Experience

College credit for educational experience in military service:

- a. Credit will be allowed on the usual transcript basis for credits that are submitted on an official transcript from the college or university where the work was taken so far as such credit may be applicable to the program chosen by the student.
- b. The recommendations of the American Council on Education as outlined in, "A Guide to the Evaluation of Educational Experience in the Armed Service," will be followed in evaluating other educational experiences gained in military service.
- c. Credit up to 12 quarter hours will be granted for the completion of basic military training and 18 quarter credits for officers' training regardless of how the commission was attained.
- d. Varying amounts of college credit will be allowed veterans for ratings earned in the armed services.
- e. No credit will be granted for military service until the student has completed satisfactorily one quarter of college work.
- f. The official discharge and/or service record or copy thereof or official statement of military experience shall be the basis for granting credit for ratings or commissions.

For further information address the Veterans' Adviser.

OFF-CAMPUS SERVICE

The Central Washington College serves the state in many ways in addition to that of conducting classwork on the campus. Provid-

ing speakers, in-service training of teachers, education conferences, and professional consultation services are a few of the off-campus functions of the College.

Extension Courses

Extension classes are maintained in several centers in Central and Western Washington. The work is planned to meet the needs of those who are working for standard certificates or who wish to complete certain of the requirements for graduation. Extension courses do not count as residence courses in meeting the requirements for a degree. Those interested in extension courses should write to the Director of Extension.

Correspondence Courses

Correspondence courses are provided for those who are unable to take residence work. They include courses required for graduation and for standard certification. Courses are not accepted as meeting the requirements for the Master of Education degree or for residence. Address the Director of Extension.

In-Service Education

The College, in cooperation with the State Superintendent of Public Instruction, provides professional services for school systems wishing to carry on projects for the improvement of teaching and learning. Address the Director of Instruction.

Other Off-Campus Services

In addition to the extension classwork and the correspondence work, members of the administration and the faculty appear upon programs of the Inland Empire Education Association, regional meetings of the Washington Education Association, and county institutes. The College music organizations have been heard on radio broadcasts from Yakima, Seattle, and Spokane stations. Correspondence relating to programs by the Music Department and for speakers at club and civic meetings should be addressed to the President of the Central Washington College of Education.

Film Service

A large library of motion picture films and other visual aids are available for rental by schools and other organizations. Erpi, Eastman, Office of War Information, Encyclopedia Britannica and numerous other film producers are represented in the College library. Address the Director of Visual Education.

Part III

EXPENSES

REFUNDABLE FEES AND DEPOSITS

Payment of Fees. All fees except course fees are payable in full at the time of registration.

Deposits. A \$10.00 room deposit is made to the Business Office at the time of making room reservations by all students living in college residence halls.

A \$5.00 damage deposit is made by each student at registration time.

Refunds. Students who withdraw during the first two weeks after enrollment are entitled to the return of the deposits if not subject to forfeit because of damage to college property, \$7.50 from the Student Government Association Fee, \$1.50 from the Library Fee, and \$1.50 from the Health Fee. **There are no other refunds on fees.**

Health Fee. The health fee is \$3.00 per quarter. This fee entitles each student to a thorough health examination at the time of entrance, to the services of the school nurse and infirmary in case of illness, and to the service of the school physician upon the recommendation of the school nurse. Students living off-campus are charged \$1.00 per day during the time they are confined in the infirmary.

Library Fee. The library fee is \$2.00 for each of the autumn, winter, and spring quarters, and \$3.00 for the summer quarter.

Miscellaneous Fee. This fee of \$2.00 per quarter is used for the support of special lectures, assemblies, and other services.

Student Government Association Fee. The Associated Students' Fee is \$11.25 per quarter for the autumn, winter, and spring quarters, and \$8.75 for the summer quarter.

NON-REFUNDABLE FEES

There are no refunds on the following fees:

Appointment Fee. All applicants for certificates pay \$1.00. This amount goes to the support of the Appointment Service.

Associated Women Students. All women students pay a fee of \$.50 per quarter to the support of social activities of the College in which women are primarily interested. A portion of the fund so obtained also supports the yearly scholarships offered by this organization. In addition, the Associated Women Students sponsors certain entertainment features each school year.

Audit Fee. Students who wish to audit any classwork pay a fee of \$1.00 per credit hour, but not more than \$3.00 per course, nor more than a total of \$5.00. Laboratory courses cannot be audited.

Change of Schedule Fee. Students changing their schedule of classes after the initial registration pay a fee of \$.50.

Correspondence Study Fee. The fee for all correspondence work is \$3 per credit hour. A special bulletin on correspondence work will be mailed upon request.

Course Fees. Students enrolled in certain courses pay a fee which varies with the nature of the course. The courses which require a fee are listed in their respective departments.

Extension Fee. The fee for all extension class work is \$3.00 per credit hour. Students wishing to audit an extension class pay the regular audit fee as listed above.

Graduation Fees. A fee of \$1.00 is required by law for each certificate issued. This fee is forwarded to the county superintendent of the county in which the certificate is first registered. The degree fee is \$5.00. The degree is not a certificate to teach, consequently all who are candidates for the degree pay the certificate fee also.

Health Fee and Late Examination. Students who fail to meet their physical examination appointments will be required to pay a fee of \$5.00.

Hyakem Fee. All students who enroll for the autumn and winter quarters pay a fee of \$5.00 which entitles them to a copy of the Hyakem, the College yearbook.

Late Registration Fees. A fee of \$2.00 is charged all who pay fees or file registration booklets subsequent to certain dates in each quarter.

Special Student Fees. Students who register for five hours or less are considered to be special students and pay \$2.50 per credit hour. Such students also pay the library deposit fee of \$5.00 which is refunded upon withdrawal.

Student Benefit Fee. All students who apply for a degree pay the fee of \$1.00 at the time of application. This fee goes to augment the Student Benefit Fund.

Test Fee. A fee of \$1.00 is charged all students who enroll for the first time. This fee is used to purchase the test material and to pay for such help as may be necessary to grade the papers and to tabulate the test scores.

Transcript Fee. One transcript of record is furnished the student without charge. A fee of \$1.00 is charged for each additional transcript.

X-Ray Fee. All applicants for a teaching certificate must have had an X-Ray examination. Arrangements have been made with the local clinic for reduced rates for this service.

BOARD AND ROOM

Board in the college dining hall is charged at the rate of \$7.00 per week. Conditions make this item subject to change.

Rooms are \$3.00 per week. All rooms are double with single beds. Students who wish to make a room reservation should send a \$10.00 deposit to the Business Manager, specifying the quarter for which the reservation is desired: namely, autumn, winter, spring, or summer. **Failure to notify the Business Manager of non-occupancy at least one month prior to the opening of any term will result in the forfeiture of the deposit.**

Upon receipt of the deposit by the Business Manager the reservation will then be made by the Dean of Men or Women. Reservations should be made early to insure accommodations. The applicant should designate the term for which he is applying.

ROOM EQUIPMENT AND FURNISHING

Each room is furnished with bed, mattress, mattress cover, two blankets, bed spread, pillow, dresser, and window curtains. Each individual is supplied with two hand towels, one bath towel, one pillow cover, and two sheets. Laundering of room linen is included in the charge for room rent.

Part IV

GUIDANCE AND ACTIVITIES

FUNDAMENTAL PRINCIPLES AND POLICIES

The following aims and principles control the organization and development of the College.

1. The physical equipment, the administrative organization, and the instructional staff constitute a portion of the social wealth of the State of Washington and as such are dedicated to the education of the youth of the commonwealth and to the preparation of teachers for the elementary and junior high schools.

2. It is the belief of the administration and faculty that teaching is a privilege and not a right. Therefore, candidates for teacher preparation are selected through guidance and high standards of conduct and of scholarship are required of those who are admitted to professional work.

3. The relative value of curriculum material used in a teachers' college should be judged by the nature and needs of the schools and communities which it serves.

4. Teacher preparation should be differentiated and specialized according to the grade level to be taught.

5. The student should acquire a rich background of general culture, including a knowledge of present-day problems.

6. Professional scholarship should be sound. A teacher should be thoroughly familiar with educational theory and with the implications of psychology for educational procedure.

7. In all its activities, the College seeks to maintain high standards of excellence together with the practical concept of usefulness.

PERSONNEL SERVICES AND ACTIVITIES

Student Counseling Program

The College has long cherished the ideal of friendly and sympathetic relationships between students and faculty. From the very beginning, freshmen and transfer students become aware that faculty members are interested in their problems and desire to help them make a successful adjustment to college life. Certain faculty members perform specific personnel functions; for example, the Dean of Women, the Dean of Men, the Director of Personnel, the Registrar, and the faculty members assigned as freshmen advisers, all give much time to helping freshmen make a favorable start on their college programs. Heads of divisions in which the major and the minor have been chosen serve as counselors for upper classmen.

The school nurse and other members of the Division of Health and Physical Education are available for counseling on personal problems affecting health and physical fitness. The Dean of Women and Dean of Men help students in the administration of the college

social program and counsel with students on personal and social problems.

All entering students, freshmen and transfers, take one or more tests at the time of college entrance. The purpose of these tests is to provide useful information concerning the educational background of entering students. This information is then available to faculty counselors and is employed in personal conferences with students for planning a study schedule, selection of courses, and meeting other college study problems.

Orientation and Guidance

The first week of the Autumn Quarter is designated as Freshman Week and during the first two days only freshmen and transfer students are present on the campus. During these days activities are planned to acquaint new students with the college program—studies, personnel services, and student government and activities.

During the entire first week faculty members assigned as freshmen advisers, the Dean of Men and Women, and the Director of Personnel are active in gaining necessary information for class assignments, in acquainting students with the library, their new living arrangements, college traditions, and in helping them to get the right kind of start in college life.

The Dean of Men and the Dean of Women are responsible for the social life of the college. First-year students usually reside in one of the dormitories. There each individual is under the direct supervision of a housemother.

The Registrar of the College acts as a guide in matters of choice of curriculum and of the specific groups of courses to be carried each quarter. When the student has chosen a major, the head of that department becomes co-adviser with the Registrar in matters pertaining to the curriculum.

There are numerous occasions, also, when a student needs help in order to make a satisfactory adjustment to his college work. Problems relating to study load, methods of study, daily time-budgeting, and overcoming subject deficiencies face the individual. The personnel office has been established to diagnose the scholastic difficulties of students and to help each one to solve his particular problem.

All freshmen are assigned to certain faculty members who serve as advisers. Advisory groups are limited to twenty students in order that the advisers may become well-acquainted with each student. Every freshman student, therefore, has the assurance that a faculty member is available to help him with his problems.

The college plans to give each student as much personal freedom as he is capable of using to his advantage. Faculty guidance, therefore, is always for the purpose of assisting students to become self-reliant. Freedom is granted every student to direct and manage his own social and academic program. Restrictions operate only at times when

personal freedom interferes with the best development of the individual himself or of others in the social group.

STUDENT CONDUCT

No definite set of rules and regulations has been formulated for the conduct of students. It is assumed that all students are responsible men and women who are aware of what constitutes acceptable conduct. The officers of the personnel division are constantly alert to assist students in the conduct of their personal affairs and in the organization and orderly procedure of group functions. Conduct below that which should be expected of college students becomes a problem for the personnel division.

Students who reside in one of the residence halls are subject to the house rules which have been formulated by the members of the group.

INSTITUTIONAL AND LIVING REGULATIONS

In order that students may know what obligations are incurred when they plan to live in one of the dormitories, and for the protection of the school and the students housed in the school residences, the following regulations are in force:

1. Any student who has reserved room and board and has taken up residence on the campus may remove therefrom by submitting a formal petition to the Dean of Men or Dean of Women **at least ten days prior to the date of contemplated removal.**

2. If a student wishes to withdraw from the dormitory, the consent of the dean must be obtained, as in number 1; a withdrawal slip must be obtained from the Housemother and from the Director of Dormitories; also, the student must satisfy the college authorities that all college property has been returned and that no unusual damage has been done to the room or its furnishings before the room deposit is returnable.

3. All students living off-campus must be in a residence in living quarters operated by and cared for by a responsible landlord or landlady, and all living arrangements must be approved by the Dean of Men or the Dean of Women.

4. Not more than three or four students may live together and maintain housekeeping quarters in an off-campus residence.

5. Students who reside in one of the halls are expected to board in the college dining hall.

STUDENT ORGANIZATIONS

Student Government Association. For a number of years the students of the College have had an organization called the Associated Students. During the school year 1941-42, student leaders expressed a desire to organize a student government association including what is commonly called the Honor System. Student leaders together with a faculty committee worked out a constitution embody-

ing the idea of democracy in student government. The constitution was adopted during the spring quarter of 1941-42.

The membership fee for the regular school year is \$10.25 a quarter, and for the summer season, \$7.75. The executive board of the Student Government Association is composed of the president, vice-president, secretary, treasurer, three representatives from the following precincts: the residence halls, veterans' village, off-campus men and off-campus women, and the editor of the campus weekly, the *Campus Crier*. The funds provided by membership fees are used to supplement the Student Government Association Building Fund, to subsidize the athletic and social activities of students, and to provide lectures, music, and entertainment. At the time of registration, each student is presented with a membership card which gives admission to all college functions to which funds of the Student Government Association have been budgeted.

Social Organizations

Participation in one or more of the following clubs is for the purpose of personal development as well as a means of service to fellow students and the college. The ability to enter into this group activity in a creative way will be a large factor in the student's enjoyment of school life and will determine, to a considerable degree, success in community life after graduation.

Associated Women Students is an organization of all women of the College.

Off-Campus Clubs. There are two organizations of students living off-campus, the **Off-Campus Men's Club** and the **Off-Campus Women's Club**.

Departmental Clubs include: in Art, **Kappa Pi** (chapter of national art society), and **Home Economics Club**; in Drama, **The Maskers and Jesters**; in History, **The Herodoteans**; in Geography, **The Whitbeck Club**; in Health and Physical Education, **Woman's Recreation Association**, **Dance Club** (women), **Do-Si-Do Club** (men and women), and **The Crimson W Club** (men); in Music, **Sigma Mu Epsilon**; in Science, **Isomers**, Chemistry Club; and **Sigma Tau Alpha**, campus organization of Rainbow Girls.

Association for Childhood Education (The A. C. E.) is a professional organization of all students who are preparing to teach in the kindergarten or primary grades.

The Intercollegiate Knights is a service club for men. **The Iyopians** is a sophomore service society to which sophomore women are chosen to membership on the basis of high scholarship and participation in college activities.

Kappa Delta Pi is a national honorary society of students preparing for teaching or other professional work. Membership is determined on the basis of scholarship and promise of success in teaching.

School Publications

There are two periodicals, the publication of which rests largely with students: The Campus Crier, the college weekly; and the Hyakem, the college annual.

Music Organizations

Central Washington College of Education musical organizations include an a cappella choir, orchestra, band, and numerous small ensembles. Each of these organizations prepare standard classical literature for concert use. In addition to regular quarterly campus concerts, each group tours somewhere within the State of Washington each year. These performances give the music student ample opportunity to develop skill in his particular field, and in addition add to the cultural life of the college community.

The a capella choir is an organization of sixty picked voices. A chorus is maintained to serve as a training group for the concert choir.

The orchestra is selected from the instrumentalists of the school and is devoted to the performance of works of symphonic caliber, as well as of educational materials. Works for string orchestra are also presented.

The band is an organization of fifty pieces which appears both as a concert group and a marching band.

Part V

THE CURRICULUM

ADMISSION

1. **High School Graduates.** Graduation from an accredited high school is required of all who apply for admission to candidacy for the degree of Bachelor of Arts.

Graduates from non-accredited high schools are admitted on condition; the condition to be removed after the student has successfully met the minimum academic standards during the first term in residence. They may then become candidates for the degree of Bachelor of Arts.

Students attending high schools in Washington should apply to their high school principal or superintendent for the uniform application blank that is used in this state. It should be filled out according to directions and forwarded to the office of the Registrar. Graduates from out-of-state high schools may write to the Registrar for one of the application forms. All applications should be filed two weeks prior to the registration date given for the quarter in which the student plans to enroll.

2. **Non-high School Graduates.** Mature students who have not completed a full four-year high school course may be admitted. If such students wish to become candidates for the degree of Bachelor of Arts, they must satisfy the full entrance requirement. This may be done by obtaining credit in fifteen high school units by examination or substituting college credits for high school courses not completed. The basis for this substitution of credit is ten quarter credits of college work for each high school unit.

Credit for college work completed is not allowed until high school graduation requirements have been met. College credit is not allowed for post graduate work taken in high school.

3. **Veterans of World War II.** See page 17.

ADMISSION WITH ADVANCED STANDING

1. **Other Colleges That Grant Degrees.** Credits earned in accredited colleges will be evaluated and advanced standing allowed on the basis of the official transcript submitted. Credit toward the fulfillment of graduation requirements will be allowed only in so far as the courses satisfactorily completed meet the requirements of the basic course pattern of Central Washington College. All official transcripts should be filed two weeks prior to the registration date given for the quarter in which the student plans to enroll.

2. **Junior Colleges.** Credits earned in accredited junior colleges will be evaluated in accordance with the following provisions:

- a. Not more than ninety-six quarter hours of work (including six in physical education) may be allowed for credit.
- b. No credit may be allowed for professional courses.

All official transcripts should be filed two weeks prior to the registration date given for the quarter in which the student plans to enroll.

3. Non-accredited Colleges. Credits earned in non-accredited colleges may be accepted as a basis for advanced standing only after the applicant has successfully met the minimum academic standards during one term of residence. All official transcripts should be filed two weeks prior to the registration date given for the quarter in which the student plans to enroll.

STUDENT LOAD

The standard load is 16 credits per quarter. A student may enroll for 17 credits without permission.

Class loads above 17 credit hours will be permitted on the basis of a student's cumulative grade point averages for the three preceding quarters or any portion thereof when a student has been in school less than three quarters.

Overloads will be permitted in accordance with the following schedule:

<i>Cumulative G.P.A.</i>	<i>Maximum Load</i>
2:00 to 2:49.....	18 credits
2:50 to 2:99.....	19 credits
3:00 and above.....	20 credits

Approval for overloads on the above basis will be granted by the Registrar's Office after a check of the student's record has been made.

First quarter freshmen are not permitted to enroll in more than 17 credit hours.

First quarter transfer students may enroll for no more than 18 credit hours. Any load above 17 hours requires a grade point average of 2.00.

Any exceptions to the above procedure will be made only upon the approval of the Personnel Committee.

STUDENT RESPONSIBILITY FOR RECORDS

All students entering this college for the first time, whether from high school or another college, should arrange to have their transcripts filed in the office of the registrar at least two weeks before the date of registration. (See procedures under Requirements for Admission.)

When a student has completed registration, his official study schedule is filed in the office of the registrar. Since this schedule is the basis for official reports and records, the student must assume the responsibility for keeping it accurate at all times.

Students will be given credit only for the courses for which they are officially registered.

Students must assume the responsibility for meeting all general and departmental requirements and total credit for graduation.

NUMBERING OF COURSES

Lower division courses are numbered from 1 to 99. Lower division courses are those which are designed primarily for first and second year students. Upper division courses are numbered from 100 to 199. Upper division courses are those which are designed primarily for third and fourth year students and graduate students. Courses numbered from 200 and above are for graduate students only.

REGISTRATION PROCEDURES

Students should plan to complete their registration on the day or days designated in the college calendar.

Registration should proceed as follows:

1. Fill out and file housing cards
Dean of Women's Office A-304
Dean of Men's Office A-101
2. Pay fees in Business Office A-203
3. Report to the college library
4. Secure registration materials at information table
5. Read and follow the directions which will be a part of the registration materials.

CLASSIFICATION OF STUDENTS

Class rank is based upon the number of quarter hours earned, as follows: Freshman, 0-45 quarter hours; Sophomore, 45-90 quarter hours; Junior, 90-135 quarter hours; Senior, 135-192 quarter hours.

MARKING AND POINT SYSTEM

The five-point grading system is used. "A" means distinctly superior work. "B" means positively good work, well above average. "C" means average work. "D" is passing but represents work below average. "E" indicates a quality of work not entitled to credit. "I" incomplete, may be given if a student has attended up to within two weeks of the close of the quarter and has done satisfactory work. Incomplete work must be completed before the closing date of the first quarter the student is in residence following the one in which the incomplete was given, or the "I" will be changed to an "E." "W," withdrawn, is given only in case of withdrawal in good standing.

In order to facilitate the averaging of grades to determine the scholarship rank of students, "Quality Points" are assigned to each mark as follows:

- For each hour with a grade of "A," 4 quality points.
- For each hour with a grade of "B," 3 quality points.
- For each hour with a grade of "C," 2 quality points.
- For each hour with a grade of "D," 1 quality point.
- For each hour with a grade of "E," 0 quality points.
- For each hour with a grade of "I," 0 quality points (until removed).

SCHOLARSHIP STANDARDS

Any student applying for admission whose grade point quotient (number of honor points divided by the number of units presented) on the high school record is less than 1.75 will be given conditional classification. Any student whose grade point quotient for any quarter is less than 1.75 becomes a problem for the Personnel Committee to be dealt with as the case seems to warrant.

Preliminary estimates are given in all courses at the end of the first six weeks of each quarter and students who are doing unsatisfactory work are given personal attention and advice by the Director of Personnel.

ABSENCES

Regular attendance at classes is essential to good work and irregular attendance usually proves a serious handicap and is likely to lower the quality of the student's work.

The following attendance regulations controlling classroom attendance have been formulated by the Faculty committee on personnel procedures: (1) every student is responsible for regular attendance in all classes for which he is enrolled; (2) daily attendance is to be kept by each member of the faculty and reported to the registrar at the end of each quarter; (3) students are expected to do full work for the quarter. They are responsible for arranging for make-up work. Instructors or departments will formulate their own policies regarding arrangements for make-up work; (4) if poor attendance affects the quality of the work of a student, lower grades will be given; (5) consecutive absence of three days, irregular attendance, or absences before and after vacations shall be reported to the dean of women or the dean of men, who will check on the causes of absence and counsel the student; (6) the Personnel Committee will review student cases involving questionable attendance records when they are referred to the committee by the deans.

Part VI

THE COLLEGE OF EDUCATION

The College of Education has a major responsibility for the preparation of teachers, supervisors, principals and superintendents for the elementary and junior high schools of the State of Washington. Upon the completion of the prescribed curriculum and four years of work, the student may be granted the Bachelor of Arts degree in Education. The Master of Education degree may be secured by the successful completion of an additional year of work beyond the Bachelor's degree.

PROGRAM FOR THE BACHELOR OF ARTS DEGREE IN EDUCATION

Admissions and Standards

Students are admitted to the College of Education on the same basis as all others. However, prospective teachers are expected to maintain average or better than average records.

To be assigned to directed teaching, a student must have made a grade point quotient of at least 2.00 for each of the two quarters preceding the assignment. To be recommended for a certificate or for a degree the cumulative grade point quotient must be at least 1.75 for all credits accepted toward graduation and at least 2.00 for the last three quarters of work.

Degrees and Certificates

The three Colleges of Education are authorized by the State Board of Education of the State of Washington to grant teaching certificates. They are authorized by the State Legislature to issue the Degree of Bachelor of Arts in Education to those who satisfactorily complete the curriculum required of those who would teach in the elementary and junior high schools of the State of Washington.

Types of Certificates

Types of certificates issued by the State Department of Public Instruction are:

Three-Year Elementary Certificate. This certificate will be issued to those who complete the four-year curriculum or the *five-year curriculum. This certificate is valid in the elementary and junior high schools of the State of Washington for a period of three years.

*The five-year curriculum is for those who have earned the Degree of Bachelor or Arts or Bachelor of Science at a liberal arts college and who transfer to complete their preparation for teaching in the elementary school.

Six-Year Elementary Certificate. This certificate will be issued to those who have taught for two years during the life of a three-year certificate. This six-year certificate may then be renewed by the completion of at least nine quarter credits of work in an accredited institution of higher learning sometime during the life of the certificate.

Emergency Certificates for Class of 1949.

A War Emergency Certificate shall be issued by the State Superintendent of Public Instruction upon the recommendation of teacher-training institutions in the State for the Class of 1949 (a) on the basis of four years and fifteen quarter hours of training including practice teaching in a secondary teacher-training institution for teaching in the secondary school, or (b) on the basis of three years and fifteen quarter hours of training including practice teaching in an elementary teacher-training institution for teaching in an elementary school. This certificate may be renewed once upon presentation of an additional record of fifteen quarter hours of college credit applicable toward completion of regular certification requirements. One year (forty-five credits) of the above training must have been completed in the institution recommending the certificate.

Special Education Credential (Remedial Certificate). This certificate may be obtained upon the completion of 30 hours of work as outlined in this catalog.

Conversions, Renewals and Reinstatements. All conversions, renewals, and reinstatements of teaching certificates are made by the State Superintendent of Public Instruction. Application forms for renewals should be secured from county superintendents and these applications should be filed with the State Superintendent of Public Instruction well in advance of the expiration date of the certificate.

CERTIFICATE AND DEGREE REQUIREMENTS

General Requirements

1. Graduation from a four-year accredited high school or its equivalent.
2. Age of eighteen years at the date of granting certificate.
3. A total of 192 credits is required for graduation.
4. Residence study of at least one academic year (thirty-six weeks) with a minimum of fifteen credits per quarter. Credits earned by correspondence or in extension classes do not serve as meeting the residence requirement.
5. The final quarter preceding graduation shall be in residence.
6. Cumulative grade point quotient of 1.75 with at least a grade point quotient of 2.00 for the last three quarters of residence.
7. Not more than one-fourth of any curriculum leading to the Bachelor of Arts degree shall be taken in extension classes and/or correspondence.
8. Good moral character and personal and physical fitness for teaching.
9. Citizenship in the United States or the holder of an alien permit.

Special Requirements

In addition to the general requirements listed above, a candidate for the degree of Bachelor of Arts in Education must have credits in each of the courses listed as basic requirements, or an equivalent, and also the special requirements of the divisions in which the major and minor or 3 minors have been chosen.

**DETAIL OF REQUIREMENTS FOR NURSERY SCHOOL, KINDERGARTEN,
PRIMARY, AND INTERMEDIATE EDUCATION**

I. GENERAL EDUCATION AND SERVICE COURSES	71
Art 1, Art Structure.....	5
Education 2, Career Planning.....	1
① English 1, English Composition.....	5
English 2, English Composition.....	3
English 20, Literary Backgrounds.....	5
Geography 1, World Geography.....	5
Health Education 1, Health Essentials.....	3
② History 21, Growth of American Democracy.....	5
History 110, History and Government of Washington.....	3
Home Economics 2, General Nutrition.....	3
③ Music 1, 2, Fundamentals of Music.....	5
Physical Education, Activity Courses.....	6
Psychology 1, General Psychology.....	5
Science 1, Survey of Physical Sciences.....	5
Science 2, Survey of Biological Sciences.....	5
Sociology 20, Development of Social Institutions.....	5
Speech 1, Fundamentals of Speech.....	2
 II. PROFESSIONALIZED SUBJECT MATTER COURSES	 8
④ Education 50, Cursive and Manuscript Writing.....	1
⑤ Education 51, Mathematics for Teachers.....	2
Education 107, School Law.....	1
Health Education 103, School Health.....	2
Physical Education 100, Physical Education Activities for the Elementary and Junior High School.....	2
 III PROFESSIONAL COURSES	 39
Education 100, Introduction to Teaching.....	3
Education 104a, b or c, Directed Teaching.....	5
Education 105, Curriculum and Methods.....	5
Education 106a, b or c, Directed Teaching.....	10
Education 119, Modern Educational Problems.....	3
Education 145, Helping the Exceptional Child.....	2
Education 117, The Teaching of Reading.....	3
Psychology 3, Child Development.....	5
Psychology 102, Educational Psychology and Measurement.....	3

① On the basis of the English Placement Test, students who show marked proficiency are excused from English 1.

② Those who have had History 50 and 51, or their equivalent, should not enroll in this course.

③ The Music course required of all students is differentiated according to the musical experience and ability of the students. Music 1 is for those who plan to major in Music. Students not planning to major or minor in music may take Music 1 if, upon test, they seem to possess the requisite ability. Music 2 is for students who plan to teach in the primary or intermediate grades of the elementary school.

④ Education 50 is required for primary teachers but is an elective for intermediate teachers.

⑤ Education 51 is required only for those who fail to make a satisfactory score on the mathematics test.

IV MAJOR AND MINOR

45

Primary and intermediate teachers may complete a major of 30 hours and a minor of 15 hours, or three minors of 15 hours each.

The major may be chosen from one of the following:

Commercial Education	Home Economics
English	Industrial Art
Fine Arts	Mathematics
Geography	Music
Geology and Geography	Science
Health and Physical Education	Social Science
History	Speech and Drama

The minor may be chosen from any of the areas listed for the major, and, in addition, Biology, French, Geology, Health Education, Library Science, Physical Science, and Recreation.

V. ELECTIVES

29

Electives to bring the total to 192 credit hours may be chosen from any of the current offerings.

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Total 192

DETAILS OF MAJOR AND MINOR IN ELEMENTARY EDUCATION

Commercial Education

Major (30 credit hours):

Commercial Education 54, Advanced Typing.....	1
Commercial Education 59, Advanced Shorthand.....	5
Commercial Education 61, Business Law.....	3
Commercial Education 62, Business Law.....	3
Commercial Education 65, Principles of Accounting 1.....	5
Commercial Education 105, Principles of Accounting 2.....	5
Elective	8

Minor (15 credit hours): 54, 59, 61, 64, and elective.

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English

Major (30 credit hours):

English 50, Language and Reading.....	3
English 51, Approach to Poetry.....	3
English 52, Advanced Composition.....	3
English 119, Children's Literature.....	2
English Literature	10
American Literature	5
Speech 54, Oral Reading.....	3
Elective in English.....	1

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Minor (15 credit hours): Select at least one of English 50, 51 or 52 and electives to complete the requirement.

Fine Arts

Major (30 credit hours):	
Fine Art 50, Elementary Drawing.....	5
Fine Art 51, Lettering.....	3
Fine Art 52, Beginning Painting.....	5
Fine Art 53, Art History and Appreciation.....	3
Fine Art 100, Figure Construction and Composition.....	2
Fine Art 101, Creative Design.....	5
Fine Art 107, Layout and Design.....	5
Fine Art 130a, Art Education.....	2
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Minor (15 credit hours): 50, 51, 52, and elective to complete requirement.	

Geography

Major (30 credit hours):	
Geography 50, Economic Geography.....	5
Geography 110, Geography of North America.....	5
Geography 112, Geography of Europe.....	3
Geography 118, Geography of Asia.....	3
Geography 121, Practical Aids in Teaching Geography.....	2
Geography 122, Geography of Pacific Northwest.....	3
Geography 123, Geography of Soviet Union.....	2
Electives to complete requirement.....	7
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	30

Minor (15 credit hours): Students, with the advice of the instructor, will select 15 credit hours from the following courses: Geography 50, 110, 111, 112, 118, 121, and 122.

Geology - Geography

Major (30 credit hours):	
Science 60, Earth Science.....	5
Science 61, Historical Geology.....	5
Geography 83, Weather and Climate.....	5
Geography 110, Geography of North America.....	5
Geography 112, Geography of Europe.....	3
Geography 114, Conservation of Natural Resources.....	3
Elective.....	4
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**Health and Physical Education
* Women Students**

Major (30 credit hours):	
Physical Education 56, Introduction to Physical Education.....	3
Health Education 109, First Aid.....	2
Health Education 116, Program Planning.....	5
Physical Education 117, Theory and Practice in Sports.....	3
Physical Education 118, Theory and Practice in Dance.....	3
Health Education 119, Theory and Practice of Health.....	3
Science 80, Physiology and Anatomy.....	5
Electives to complete requirement.....	6
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Minor (15 credit hours): 56, 117, 118, 119 and 59.

* See note on next page.

*** Men Students**

Major (30 credit hours):	
Physical Education 56, Introduction to Physical Education.....	3
Health Education 101, Kinesiology.....	3
Health Education 109, First Aid.....	2
Physical Education 110, Organization and Administration of Physical Education	3
Health Education 119, Theory and Practice of Health.....	3
Physical Education 121, Theory and Practice in Physical Education.....	3
Physical Education 122, Theory and Practice in Physical Education.....	3
Physical Education 123, Theory and Practice in Physical Education.....	3
Science 80, Physiology and Anatomy.....	5
Electives to complete requirement.....	2
Minor (15 credit hours): 56, 119, 121, 122, and 123.	—
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History

Major (30 credit hours):	
History 50, History of the United States I.....	5
History 51, History of the United States II.....	5
History 58, Ancient and Medieval History.....	5
History 59, Modern World History.....	5
History 104, The Latin American Republics.....	5
Elective	5
	30
Minor (15 credit hours): 50, 51, 58 or 59.	

Home Economics

Major (30 credit hours):	
Home Economics 21, Nutrition (in addition to Home Economics 2).....	2
Home Economics 50, Food Preparation.....	5
Home Economics 60, Fundamentals in Textiles.....	2
Home Economics 65, Home Furnishing.....	2
Home Economics 70, Clothing Selection and Construction.....	5
Home Economics 105, Household Management.....	3
Home Economics 106, Consumer Problems.....	2
Home Economics 110, Family Relations.....	3
Home Economics 115, Child Care in the Home.....	3
Home Economics 120, Advanced Nutrition or	
Home Economics 171, Advanced Clothing Construction or	
Home Economics 63, Weaving or	
Home Economics 121, School Lunch.....	3
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Minor (15 credit hours): 50, 70, 105 and 110.	

*Majors and minors in Physical Education are expected to complete three activity credits in addition to the six required of all students. These are substituted for P. E. 100.

Industrial Arts

Major (30 credit hours):	
Industrial Arts 70, Creative Crafts.....	5
Industrial Arts 71, Woodworking.....	5
Industrial Arts 74, Pottery.....	5
Industrial Arts 79, Mechanical Drawing.....	3
Industrial Arts 130b, Industrial Arts Education.....	2
Elect from among the following to complete requirement:	
Fine Art 50, Elementary Drawing.....	5
Fine Art 51, Lettering.....	3
Fine Art 53, Art History and Appreciation.....	3
Industrial Art 73, Photography.....	3
Industrial Art 104, Advanced Photography.....	2
Industrial Art 110, General Metals II.....	5
Industrial Art 83, General Metals I.....	5
Industrial Art 85, Elementary Electricity and Sheet Metal.....	5
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Minor: (15 credit hours): Courses for the minor will be elected under the direction of the chairman of the Industrial Arts Division.

Mathematics

Major (30 credit hours):	
Mathematics 50, College Algebra or Mathematics 54.....	5
Mathematics 51, Trigonometry or Mathematics 55.....	5
Mathematics 52, Analytic Geometry and Calculus or Mathematics 56.....	5
Mathematics 101, 102, 103, Calculus.....	15
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Minor (15 credit hours): Mathematics 50, 51, and 52 or 53.

Music

Major (30 credit hours):	
Music 50, Elementary Harmony.....	3
Music 54c, Vocal and Instrumental Class Instruction (Strings).....	1
Music 54d, Vocal and Instrumental Class Instruction (Woodwind).....	1
Music 54e, Vocal and Instrumental Class Instruction (Brass).....	1
Music 64, Intermediate Harmony.....	3
Music 103a, Music Education for the Elementary Grades.....	3
Music 111, Advanced Harmony.....	3
Music 104, Form Analysis.....	3
Music 107, Choral and Instrumental Conducting.....	3
Music 112, Music History and Appreciation.....	3
Music 113, Music History and Appreciation.....	3
Applied Music.....	3
	<hr/>
	30

Minor (15 credit hours): Music 50, 103a, 107, 113, Applied Music 3 credit hours.

Science

Major (30 credit hours):

Select 10 hours from 50, 51, 52, 55 and 56:

Science 50, 51, Invertebrate Zoology.....	}	Elect two	10
Science 52, Vertebrate Zoology.....			
Science 55, Botany			
Science 56, Botany			
Science 60, Earth Science.....			5
Geology Elective			3
Select 10 hours of Chemistry or Physics from:			
Science 70, 71, General Inorganic Chemistry. }	}	Elect two	10
Science 27, 28, 29, Elementary Physics.....			
Science 133a, Science Education in the Elementary School.....			2
			<hr/> 30

Social Science

Major (30 credit hours):

Sociology 120, The Community.....	2
History 50, History of the United States I.....	5
History 51, History of the United States II.....	5
History 58, Ancient and Medieval History.....	5
Geography 50, Economic Geography.....	5
Elective	8
	<hr/> 30

Minor (15 credit hours): Social Science 52, Geography 50, or History 58, or History 59, and elective to complete requirement.

Speech and Drama

Major (30 credit hours):

Speech 50, Voice and Articulation.....	2
Speech 54, Oral Reading.....	3
Speech 55, Dramatic Production.....	5
Speech 119, Introduction to Speech Correction.....	5
Speech 120, Teaching Speech in the Elementary and Junior High School....	3
Speech 130, Problems in Speech and Drama.....	2
Electives to complete requirement.....	10
	<hr/> 30

English 104 may be counted as an elective in Speech and Drama Minor (15 credit hours): Speech 50, 54, and electives to complete requirement.

ADDITIONAL MINORS**Biology**

Minor (15 credit hours):

Science 50, 51, Invertebrate Zoology.....	10
Science 52, Vertebrate Zoology.....	5
	<hr/> 15

or

Science 55, 56, Botany.....	10
Science 67, Taxonomy of Plants.....	5
	<hr/> 15

French

Minor (15 credit hours); for those students who enter with two years or more of high school French):

French 53, Advanced French.....	3
French 54, Advanced French.....	3
French 55, Advanced French.....	3
French 101, Survey of French Literature.....	3
French 102, Survey of French Literature.....	3
	<hr/> 15

Geology

Minor (15 credit hours):

Science 60, Earth Science.....	5
Elective hours in Geology.....	10
	<hr/> 15

Health Education

Minor (15 credit hours):

Science 80, Physiology and Anatomy.....	5
Science 92, Bacteriology.....	5
Health Education 119, Theory and Practice of Health.....	3
Electives to complete requirement.....	2
	<hr/> 15

Library Science

Minor (15 credit hours):

Library 102, Classification and Cataloging.....	3
Library 103, School Library Administration.....	3
Library 101, Book Selection.....	2
Library 150, Library Service.....	3
Art 51, Lettering.....	3
Library 154, Library Seminar.....	1
	<hr/> 15

Physical Science

Minor (15 credit hours):

Science 70, General Inorganic Chemistry.....	5
Science 71, General Inorganic Chemistry.....	5
Elect 5 hours from Science 27, 28, 29, General Physics.....	5
	<hr/> 15

Recreation

Minor (15 credit hours):

Physical Education 59, Introduction to Community Recreation.....	3
Physical Education 124, Organization and Administration of Community Recreation.....	5
Physical Education 125, Program Planning in Community Recreation.....	5
Physical Education 126, Public Relations in Community Recreation.....	2
	<hr/> 15

REQUIREMENTS FOR THE TEACHER EDUCATION CURRICULUM**Curriculum by Years****PRIMARY AND INTERMEDIATE PROGRAM****First Year**

Art 1, Art Structure.....	5
Education 2, Career Planning.....	1
① English 1, English Composition.....	5
English 2, English Composition.....	3
Health Education 1, Health Essentials.....	3
② History 21, Growth of American Democracy.....	5
Physical Education, one credit each quarter.....	3
Science 1, Survey of Physical Sciences.....	5
Science 2, Survey of Biological Sciences.....	5
Sociology 20, Development of Social Institutions.....	5
Elective.....	8

48

Second Year

Education 50, Cursive and Manuscript Writing.....	1
Education 51, Mathematics for Teachers.....	2
English 20, Literary Backgrounds.....	5
Geography 1, World Geography.....	5
Home Economics 2, General Nutrition.....	3
③ Music 1 or 2, Fundamentals of Music.....	5
Physical Education, one credit each quarter.....	3
Psychology 1, General Psychology.....	5
Psychology 3, Child Development.....	5
Speech 1, Fundamentals of Speech.....	2
Major, Minor and Elective.....	12

48

Third Year

Education 100, Introduction to Teaching.....	3
Education 104a or b, Directed Teaching.....	5
Education 105a or b, Curriculum and Methods.....	5
Education 117, The Teaching of Reading.....	3
Health Education 103, School Health.....	2
History 110, History and Government of Washington.....	3
Physical Education 100, Physical Education Activities for the Elementary and Junior High School.....	2
Science 133a, Science for the Elementary School.....	2
Major, Minor and Elective.....	23

48

Fourth Year

Education 106a or b, Directed Teaching.....	10
Education 107, School Law.....	1
Education 119, Modern Educational Problems.....	3
Education 145, Helping the Exceptional Child.....	2
Psychology 102, Educational Psychology and Measurement.....	3
Major, Minor and Elective.....	29

48

① See page 38 for note on English requirement.

② See page 38 for note on History requirement.

③ See page 38 for note on Music requirement.

**REQUIREMENTS FOR STUDENTS PREPARING FOR UPPER
GRADE OR JUNIOR HIGH SCHOOL TEACHING**

I. GENERAL EDUCATION AND SERVICE COURSES	71
Art 1, Art Structure.....	5
Education 2, Career Planning.....	1
① English 1, English Composition.....	5
English 2, English Composition.....	3
English 20, Literary Backgrounds.....	5
Geography 1, World Geography.....	5
Health Education 1, Health Essentials.....	3
② History 21, Growth of American Democracy.....	5
History 110, History and Government of Washington.....	3
Home Economics 2, General Nutrition.....	3
③ Music 1 or 3, Fundamentals of Music.....	5
Physical Education, Activity Courses.....	6
Psychology 1, General Psychology.....	5
Science 1, Survey of Physical Sciences.....	5
Science 2, Survey of Biological Sciences.....	5
Sociology 20, Development of Social Institutions.....	5
Speech 1, Fundamentals of Speech.....	2
 II. PROFESSIONALIZED SUBJECT MATTER COURSES	 8
④ Education 51, Mathematics for Teachers.....	2
Education 107, School Law.....	1
Health Education 103, School Health.....	2
Select a special methods course in one of the following:	
Art	Language Arts
Biological Science	Mathematics
Commercial Education	Modern Foreign Language
Health, Physical Education and Recreation	Music
Home Economics	Physical Science
Industrial Arts	Social Science
	3

① See page 38 for note on English requirement.

② See page 38 for note on History requirement.

③ The music course required of all students is differentiated according to the musical experience and ability of the students. Music 1 is for those who plan to major in music. Students not planning to major or minor in the music department may take Music 1 if, upon test, they seem to possess the requisite ability. Music 2 is for students who plan to teach in the primary or intermediate grades of the elementary schools. Music 3 is for those students who plan to teach in the upper grades or the junior high school.

④ Required for those making low scores on mathematics test.

III. PROFESSIONAL COURSES 40

Education 100, Introduction to Teaching.....	3
Education 104b or c, Directed Teaching.....	5
Education 105, Curriculum and Methods.....	5
Education 106b or c, Directed Teaching.....	10
Education 119, Modern Educational Problems.....	3
Education 117, The Teaching of Reading.....	3
Psychology 3, Child Development.....	5
Psychology 102, Educational Psychology and Measurement.....	3
Psychology 108, The Psychology of Adolescence and Guidance.....	3

IV. MAJOR 45

Upper grade and junior high school teachers will complete a major of 45 credit hours. The major may be chosen from one of the following divisions:

Commercial Education	Mathematics
English	Music
Fine Art	Recreation
Health and Physical Education	Science
Home Economics	Social Science
Industrial Arts	Speech and Drama

V. MINOR 15

A minor of 15 credit hours may be chosen from the following divisions:

Commercial Education	Industrial Art
English	Library Science
Fine Art	Mathematics
French	Music
Geography	Recreation
Health and Physical Education	Science
History	Social Science
Home Economics	Speech and Drama

VI. ELECTIVES 13

Electives of 13 credit hours to bring the total to 192 credit hours may be chosen from any of the current offerings. These should be selected from upper division courses whenever possible. Total credits for graduation, 192.

DETAILS OF MAJORS FOR UPPER GRADE AND JUNIOR HIGH SCHOOL PROGRAM

Commercial Education

Major (45 credit hours):	
Commercial Education 3, Business Arithmetic.....	3
Commercial Education 53, Elementary Typing.....	1
Commercial Education 61, Business Law.....	3
Commercial Education 62, Business Law.....	3
Commercial Education 65, Principles of Accounting I.....	5
Commercial Education 105, Principles of Accounting II.....	5
History 50, History of the United States I.....	5
History 51, History of the United States II.....	5
Social Science 52, American Government.....	5
Economics 70, Principles of Economics.....	5
Geography 50, Economic Geography.....	5
	45

Minor (15 credit hours): 54, 59, 61, 64, and elective.

English

Major (45 credit hours):	
English 50, Language and Reading.....	3
English 51, Approach to Poetry.....	3
English 52, Advanced Composition.....	3
English 129, Junior High School Literature.....	2
English Literature.....	10
American Literature.....	5
Speech 54, Oral Reading.....	3
Electives to complete requirement.....	16
(Speech 105 may be counted as an elective in English).	
	45

Minor (15 credit hours): Select at least one of English 50, 51, 52 and electives to complete the requirement.

Fine Art

Major (45 credit hours):	
Fine Art 50, Elementary Drawing.....	5
Fine Art 51, Lettering.....	3
Fine Art 52, Beginning Painting.....	5
Fine Art 53, Art History and Appreciation.....	3
Fine Art 54, Modeling and Sculpturing.....	5
Industrial Arts 70, Creative Crafts.....	5
Fine Art 100, Figure Construction and Composition.....	2
Fine Art 101, Creative Design.....	5
Fine Art 107, Layout and Design.....	5
Fine Art 130a, Art Education.....	2
Electives to complete requirement.....	5
	45

Minor (15 credit hours): 50, 51, 52 and elective to complete the requirement.

Health, Physical Education, and Recreation Women Students

Major (45 credit hours):	
Physical Education 56, Introduction to Physical Education.....	3
Health Education 109, First Aid.....	2
Physical Education 110, Organization and Administration of Physical Education	3
Health Education 116, Program Planning in Health and Physical Education..	5
Physical Education 117, Theory and Practice in Sports.....	3
Physical Education 118, Theory and Practice in Dance.....	3
Health Education 119, Theory and Practice of Health.....	3
Science 80, Physiology and Anatomy.....	5
Science 90, Human Physiology	5
Education 106 H. and P. E. Directed Teaching.....	5
*Physical Education Activities.....	3
Electives to complete requirement.....	5

45

*Majors and minors in Physical Education must earn three activity credits, including American Dance, in addition to the six required of all students.

Minor (15 credit hours): 56, 59, 117, 118, 119.

Men Students

Major (45 credit hours):	
Physical Education 56, Introduction to Physical Education.....	3
Health Education 101, Kinesiology.....	3
Health Education 106, Physiology of Exercise.....	3
Health Education 109, First Aid.....	2
Physical Education 110, Organization and Administration of Physical Education	3
Health Education 119, Theory and Practice of Health.....	3
Physical Education 121, Theory and Practice in Physical Education.....	3
Physical Education 122, Theory and Practice in Physical Education.....	3
Physical Education 123, Theory and Practice in Physical Education.....	3
Science 80, Physiology and Anatomy.....	5
Education 106 H. and P. E.....	5
*Physical Education Activity.....	3
Electives to complete requirement.....	6

45

*Majors and minors in Physical Education must earn three activity credits, including American Dance, in addition to the six required of all students.

In the 45 hour major, the five hours of required directed teaching in health and physical education is in addition to the general requirement of 15 hours.

Minor (15 credit hours): 56, 119, 121, 122, 123.

Recreation

Major (45 credit hours):	
Physical Education 59, Introduction to Community Recreation.....	3
Physical Education 124, Organization and Administration of Community Recreation	5
Physical Education 125, Program Planning in Community Recreation.....	5
Physical Education 126, Public Relations in Community Recreation.....	2
Education 106 Rec., Field Work in Community Recreation.....	5
Elect 25 hours, with guidance, from three of the following fields:	
Physical Education, Music, Art, Industrial Art, Drama.....	25

45

Minor (15 credit hours): 59, 124, 125, 126.

Home Economics

Major (45 credit hours):

Home Economics 21, Nutrition (in addition to Home Economics 2).....	2
Home Economics 50, Food Preparation.....	5
Home Economics 60, Fundamentals of Textiles.....	2
Home Economics 63, Weaving.....	2
Home Economics 70, Clothing Selection and Construction.....	5
Home Economics 105, Household Management.....	3
Home Economics 106, Consumer Problems.....	2
Home Economics 110, Family Relations.....	3
Home Economics 115, Child Care in the Home.....	3
Home Economics 120, Advanced Nutrition.....	3
Home Economics 121, School Lunch.....	2
Home Economics 151, Meal Planning and Service.....	5
Home Economics 165, Home Planning and Furnishing.....	5
Home Economics 171, Advanced Clothing Construction.....	3

45

Minor (15 credit hours): 50, 70, 110 and elective approved by the Division.

Industrial Arts

Major (45 credit hours):

Industrial Arts 70a, Creative Crafts—Wood and Leather.....	2
Industrial Arts 70b, Creative Crafts—Metal and Plastics.....	3
Industrial Arts 71, Woodworking.....	5
Industrial Arts 74, Pottery.....	5
Industrial Arts 79, Mechanical Drawing.....	3
Industrial Arts 83, General Metals I.....	5
Industrial Arts 85a, Elementary Electricity.....	2
Industrial Arts 85b, Sheet Metalwork.....	3
Industrial Arts 113, Advanced Furniture Construction.....	5
Industrial Arts 130b, Industrial Arts Education.....	2
Industrial Arts 131, General Shop Planning and Organization.....	2

Electives from the following to complete requirements:

Fine Art 50, Elementary Drawing.....	5
Fine Art 51, Lettering.....	3
Fine Art 53, Art History and Appreciation.....	3
Industrial Art 73, Photography.....	3
Industrial Art 103, Advanced Photography.....	3
Industrial Arts 110, General Metals II.....	5
Industrial Art 111, Engineering Drawing.....	3
Industrial Art 114, Advanced Pottery.....	5

45

Minor (15 credit hours): Courses for the minor will be selected with the approval of the head of the Division.

Mathematics

Major (45 credit hours):

Mathematics 50, College Algebra, or Math. 54.....	5
Mathematics 51, Trigonometry, or Math. 55.....	5
Mathematics 52, Analytic Geometry and Calculus, or Math. 56.....	5
Mathematics 101, 102, 103, Calculus.....	15
Electives, from Mathematics or Physics offerings.....	15

45

Minor (15 credit hours): 50, 51, 52.

Music

Major (45 credit hours):

Music 50, Elementary Harmony	3
Music 54c, Vocal and Instrumental Class Instruction (Strings)	1
Music 54d, Vocal and Instrumental Class Instruction (Woodwind)	1
Music 54e, Vocal and Instrumental Class Instruction (Brass)	1
Music 55c, Vocal and Instrumental Class Instruction (Strings)	1
Music 55d, Vocal and Instrumental Class Instruction (Woodwind)	1
Music 56c, Vocal and Instrumental Class Instruction (Strings)	1
Music 56d, Vocal and Instrumental Class Instruction (Woodwind)	1
Music 64, Intermediate Harmony	3
Music 103a, Music Education for the Elementary Grades	3
Music 103b, Music Education for the Junior High School	3
Music 104, Form Analysis	3
Music 107, Choral and Instrumental Conducting	3
Music 111, Advanced Harmony	3
Music 112, Music History and Appreciation	3
Music 113, Music History and Appreciation	3
Applied Music	11
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	45

Minor (15 credit hours): 50, 103a, 107, 113, and Applied Music (3 credits).

Science

Major (45 credit hours):

Science 50, 51, Invertebrate Zoology }	15
Science 52, Vertebrate Zoology } or	
Science 55, 56, Botany }	15
Science 67, Taxonomy of Plants }	15
Science 70, 71, General Inorganic Chemistry }	15
Science 72, Qualitative Analysis ' } or	
Science 27, 28, 29, Elementary Physics	15
Science 60, Earth Science	5
Science 133b, Science Education in the Junior High School	3
Elective to complete requirement	7
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	45

Minor (15 credit hours): 70, 71 and one of 27, 28, 29.

Social Science

Major (45 credit hours):

Sociology 51, Principles of Sociology	5
Political Science 52, American Government	5
Economics 70, Principles of Economics	5
History 50, History of the United States I	5
History 51, History of the United States II	5
History 59, Modern World History	5
Geography 110, Geography of North America	5
Elective	10
<hr/>	
	45

Minor (15 credit hours): 52, Geog. 50, or History 58 or 59, and elective to complete requirement.

Speech and Drama

Major (45 credit hours):	
Speech 50, Voice and Articulation.....	2
Speech 54, Oral Reading	3
Speech 55, Dramatic Production	5
Speech 119, Introduction to Speech Correction.....	5
Speech 130, Problems in Speech and Drama.....	2
Electives to complete requirement.....	28
	<hr/>
	45

English 104 may be counted as an elective in Speech and Drama.

Minor (15 credit hours): 50, 54, and electives to complete requirement.

ADDITIONAL MINORS**French**

Minor (15 credit hours): for those students who enter with two years or more of high school French:

French 53, Advanced French.....	3
French 54, Advanced French.....	3
French 55, Advanced French.....	3
French 101, Survey of French Literature.....	3
French 102, Survey of French Literature.....	3
	<hr/>
	15

Geography

Minor (15 credit hours): Students, with the advice of the instructor will select 15 credit hours from the following courses:

Geography 50, Economic Geography.....	5
Geography 110, Geography of North America.....	5
Geography 111, Geography of Latin America.....	3
Geography 112, Geography of Europe.....	3
Geography 118, Geography of Asia.....	3
Geography 121, Practical Aids in Teaching Geography.....	2
Geography 122, Geography of the Pacific Northwest.....	3

History

Minor (15 credit hours):

History 50, History of the United States I.....	5
History 51, History of the United States II.....	5
History 53, Ancient and Medieval History	} Elect one.....
History 59, Modern World History		5
	<hr/>
	15

Library Science

Minor (15 credit hours):

Library 102, Classification and Cataloging.....	3
Library 103, School Library Administration.....	3
Library 101, Book Selection.....	2
Library 150, Library Service.....	3
Art 51, Lettering.....	3
Library 154, Library Seminar.....	1
	<hr/>
	15

**REQUIREMENTS FOR UPPER GRADE AND JUNIOR
HIGH SCHOOL PROGRAM**

Curriculum by Years

UPPER GRADE OR JUNIOR HIGH PROGRAM

First Year

Art 1, Art Structure.....	5
Education 2, Career Planning.....	1
① English 1, English Composition.....	5
English 2, English Composition.....	3
Health Education 1, Health Essentials.....	3
② History 21, Growth of American Democracy.....	5
Physical Education, one credit each quarter.....	3
Science 1, Survey of Physical Sciences.....	5
Science 2, Survey of Biological Sciences.....	5
Social Science 20, Development of Social Institutions.....	5
Elective	8
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	48

Second Year

English 20, Literary Backgrounds.....	5
Geography 1, World Geography.....	5
Home Economics 2, General Nutrition.....	3
③ Music 1 or 3, Fundamentals of Music.....	5
Physical Education, one credit each quarter.....	3
Psychology 1, General Psychology.....	5
Psychology 3, Child Development.....	5
Speech 1, Fundamentals of Speech.....	2
Major, Minor and Elective.....	15
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	48

Third Year

Education 100, Introduction to Teaching.....	3
Education 104b or c, Directed Teaching.....	5
Education 105, Curriculum and Methods.....	5
Education 117, The Teaching of Reading.....	3
Health Education 103, School Health.....	2
History 110, History and Government of Washington.....	3
Major, Minor and Elective.....	27
	<hr/>
	48

Fourth Year

Education 106b or c, Directed Teaching.....	10
Education 107, School Law.....	1
Education 119, Modern Educational Problems.....	3
Psychology 102, Educational Psychology and Measurement.....	3
Psychology 108, The Psychology of Adolescence and Guidance.....	3
Special Methods in Major Field.....	3
Major, Minor and Elective.....	25
	<hr/>
	48

① See page 38 for note on English requirement.

② See page 38 for note on History requirement.

③ See page 38 for note on Music requirement.

STUDENT TEACHING EXPERIENCE

Adequate facilities are maintained for offering a comprehensive teaching-experience program. In the directed teaching courses each student is given two quarters of supervised teaching. Assignments for teaching, made with reference to student needs and abilities, provide broad, varied, and valuable experience. There is differentiation of responsibilities in first and second quarter teaching to insure the greatest possible growth on the part of each student teacher. The student teaching is organized under the direction of supervisors with special reference to the needs of the children as well as to the teaching-experience needs of college students.

As a part of the fifteen-credit practice teaching requirements in the kindergarten-primary, intermediate, or junior high school departments, students with special interests and abilities are given opportunity to teach music, art, science, health and physical education.

Facilities for student teaching are provided in the College Elementary School on the campus, and in the public schools of Ellensburg, including the Washington School and the Morgan Junior High School.

NURSERY SCHOOL, KINDERGARTEN-PRIMARY EDUCATION

A grasp of the development and educational needs of young children is provided through courses in observation and theory. The course in Child Development gives a survey of the continuous development of children from birth through the first six years. A period of teaching in the nursery school, kindergarten and primary grades gives students direct experience in working with young children.

ADVANCED TEACHING

Teachers who were certified below the level of the three-year curriculum will, in general, be required to take some advanced teaching before being granted higher certification. Exemption from this requirement may be granted only upon petition to the Personnel Committee.

THE GRADUATE SCHOOL OF EDUCATION

The Legislature in 1947 authorized the Colleges of Education to grant the Master of Education degree. The Master's program is designed for the professional preparation of master teachers, principals, superintendents, supervisors, and specialists in a number of fields. One college year beyond the Bachelor's degree is the minimum residence requirement for the Master's degree.

Admission Requirements

Admission to courses for graduate credit shall be restricted to:

1. Students who hold an earned degree from teachers college, college, or university that is accredited by the appropriate regional accrediting agency.
2. Students who hold earned bachelor's degrees from institutions not on the accredited lists or approved lists. They may be ad-

mitted to graduate courses but graduate status will be withheld until the ability to do acceptable graduate work has been demonstrated during at least one quarter.

3. Students who require for a bachelor's degree less than the work of a quarter. Students in this group should not be permitted to earn graduate credit for more work than the difference between the amount required to complete the requirements for the Bachelor's degree and the amount considered a normal full-time program.

Admission to candidacy for the master's degree shall be restricted to students who meet the requirements for admission to graduate courses and who have satisfactorily completed one quarter of work. The Graduate Committee in passing upon an application will consider the following:

1. The candidate's academic record including his undergraduate record and his work in basic required courses in education. The average for the final undergraduate year and for the first quarter of graduate study must be B or higher.
2. The candidate's professional experience and other experiences indicating his ability to pursue graduate study.
3. The candidate's rating on a standardized test of general ability.
4. The candidate's ability to define his goal and plan a program of study.
5. The candidate's general maturity and professional promise.

At least one year of successful teaching experience is required before admission to candidacy for the degree of Master of Education.

The candidate should apply for admission to candidacy by the end of his first quarter of graduate work and his application must be acted upon by the end of the second quarter of graduate study. This requires that the candidate be notified of his acceptance or rejection for graduate candidacy by the beginning of his third quarter of graduate study.

If the candidate is not admitted to graduate candidacy on application at the end of his first quarter of graduate study he may be permitted to take another quarter on a probationary basis. If his work during the second quarter does not meet the required standards he shall be notified of his failure to qualify for graduate candidacy.

General Requirements

A grade average of B is required. No grade below C will be accepted as graduate credit.

A total of forty-five quarter credits is required.

Courses taken subsequent to admission to candidacy and five years before the time of graduation shall be reviewed to determine whether or not credit shall be granted.

One academic year in residence is required except for graduates of this college, who may do one-third of their graduate work in another institution.

Not more than nine credits of extension work may be counted for the Master's degree. For such courses, the standard of work must be equal to that of courses offered on the campus. No credit shall be given for courses taken by correspondence.

Students holding what would ordinarily be considered a full-time position shall not be permitted to register for more than six quarter hours. Twelve quarter credits so earned shall be accepted as a quarter in residence.

Courses included in the graduate program which were taken by the student prior to the time of authorization of the Master of Education program shall not be counted for graduate credit. However, there should be no repetition of such courses for the purpose of fulfilling requirements.

A research project or projects shall be completed and acceptably reported to a faculty committee before the awarding of the Master of Education degree.

A single six-hour project may be completed in one quarter or may be extended over two quarters for three credits each. If a student chooses to do two projects, for three credits each, these shall be done in different quarters.

Not more than half of the number of hours required for the degree may be earned by a candidate in courses open to undergraduates.

Candidates for the Master of Education degree must complete all oral and written examinations required by the Graduate Committee. The time, place, and nature of these examinations shall be determined by the Graduate Committee.

PROGRAM FOR MASTER OF EDUCATION DEGREE

I. Courses Required of All

Education 201, Educational Foundations	3	
Education 202, Educational Statistics and Research.....	3	
Education 250, Research Problems and/or		
Education 251, Field Problems	6	
Psychology 200, Human Growth and Development.....	3	
TOTAL		15

Students may elect to work in one of the areas listed below. A student who has a special interest in an area not represented may present a program for approval by the Graduate Committee. The student is expected to select fifteen quarter credits in courses directly related to his field of specialization.

II. Specialization

Audio-Visual and Teaching Aids		
Education 139, Visual Instruction	5	
Education 144, Radio and Recordings in the Classroom 2		
Education 150, Visual Education Workshop.....	5	
Education 151, Administration of the Instructional Aids Program	3	15
Curriculum Directors' Courses		
Education 116, Diagnostic Techniques and Measurements	3	
Education 215, Elementary and Junior High School Curricula	3	
Education 216, Principles and Techniques of Curriculum Making	5	
OR		
Education 217, Procedures and the Program of Curriculum Improvement	3	
Education 220, Seminar in Curriculum.....	2	
Social Science 120, The Community.....	2	13-15
General Supervision and Improvement of Instruction		
Education 109, The Elementary School Principal.....	5	
Education 110, School Supervision	5	
Education 116, Diagnostic Techniques and Measurements	3	
Guided Electives	2	15
Master-Teacher Courses		
Education 116, Diagnostic Techniques and Measurements	3	
Education 205, Implications of Research for the Classroom Teacher	5	
Psychology 105, Clinical Psychology	2	
Elective	5	15
Students will select courses from the fields of Science, Social Science, Language Arts or other fields according to their needs.		
Organization and Administration (Principals)		
Education 109, The Elementary School Principal.....	5	
Education 110, School Supervision	5	
Education 116, Diagnostic Techniques and Measurements	3	
Elective	2	15

Personnel and Guidance Courses	
Psychology 103, Psychology of Adjustment.....	5
Education 116, Diagnostic Techniques and Measurements	3
Education 146, Introduction to Guidance.....	3
Education 210, Administration of the Guidance Program	4 15
Public School Art	
Art 140, The School Art Program.....	5
Art 141, Art and Modern Living.....	2
Art 200, Administration of the School Art Program....	3
Art 201, Seminar in Art Education.....	5 15
Public School Health and Physical Education	
Health Education 116, Program Planning in Health and Physical Education	5
Health Education 130, School and Community Health..	3
Health Education 135, Seminar in Health and Physical Education	5
Social Science 120, The Community.....	2 15
Public School Music	
Music 108, Advanced Choral and Instrumental Conducting	3
Music 112, Music History and Appreciation (3rd quarter)	3
Music 200, Supervision of Public School Music.....	3
Elective	6 15
*Remedial Education Courses	
Education 116, Diagnostic Techniques and Measurements	3
Education 125, Remedial Reading	2
Education 126, Remedial Arithmetic	2
Education 127, Sight Saving	2
Education 206, Reading Clinic	1
Education 250, Research Problem OR	
Education 251, Field Problem	6
Psychology 103, Psychology of Adjustment.....	5
Speech 124, Speech Correction Clinic.....	5 31
Teacher-Librarian Courses	
Library Science 120, Historical Survey of Books of Libraries	2
Library Science 103, School Library Administration...	3
Library Science 200, Reference and Bibliography.....	2
Library Science 101, Book Selection	3
Library Science 102, Classification and Cataloging....	5 15
Total Credit Required for One Area	
III. Electives (Free Choice by Student)	15
TOTAL	15

* Set up to meet with State Board of Education requirements for Remedial certification.

Part VII

THE COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences was established in 1947 subsequent to enabling legislation passed by the 1947 Legislature.

Students who enroll in the arts and sciences program will need to complete work in three broad areas in order to qualify for the Bachelor of Arts degree. These areas include: (1) 73 credits in general education subjects, common to all students; (2) 45 credits in a major field; and (3) 74 credits in elective subjects.

Admissions, advanced standing, student load and other regulations are described on pages 31 to 34. Upon completing the four-year program and satisfying all other requirements, the student will be granted the Bachelor of Arts degree.

GENERAL REQUIREMENTS

1. Graduation from a four-year accredited high school or its equivalent.
2. Residence study in this institution of at least three quarters with a minimum of forty-five credits. Additional credits necessary may have been earned in some other institution.
3. The final quarter preceding graduation shall be in residence.
4. Cumulative grade point quotient of 1.75 with at least a grade point quotient of 2.00 for the last three quarters of residence.
5. A minimum of sixty credits must be earned in upper division courses.

SPECIAL REQUIREMENTS

Those students who wish to earn a second Bachelor's degree (B.A. and B.A. in Education) may do so if he meets the requirements for the second degree and has completed a minimum of one additional quarter of work (fifteen quarter credits) in residence.

ARTS AND SCIENCES PROGRAM

Bachelor of Arts Degree

I. General Education Subjects (Required)	73
Education and Psychology	
Education 2, Career Planning.....	1
Psychology 1, General Psychology.....	5
Fine Arts, Literature and Music	
Art 1, Art Structure and Appreciation.....	5
English 20, Literary Backgrounds.....	5
① Music 1, Fundamentals of Music, or 3, Introduction to Music.	5
Health	
Health Education 1, Health Essentials.....	3
Home Economics 2, Nutrition.....	3
Physical Education Activity (6 quarters).....	6

① See page 38 for note on Music requirement.

Language	
②English 1 and 2, English Composition.....	8
Speech 1, Fundamentals of Speech.....	2
Natural Science	
Survey of biological or physical science.....	5
Laboratory science (in physical if survey is biological and vice versa)	10
Social Science	
③History 21, The Growth of American Democracy.....	5
Sociology 20, Development of Social Institutions.....	5
Social Science Elective: economics, sociology, government, geography, history	5
(Note: Students who are uncertain of their choice of a major should choose courses from the above groups.)	
II. Major Field (45 credits).....	45
Biology	
④Chemistry	
Economics	
English	
Fine Arts	
Geography	
Health and Physical Education	
History	
Home Economics	
Industrial Arts	
Mathematics	
⑥Music	
Physics	
Recreation	
Social Science	
Speech and Drama	
III. Electives (20 quarter hours limit in any field other than the major; however, in mathematics or foreign language 30 hours may be elected)	74
TOTAL	192

② See page 38 for note on English requirement.

③ See page 38 for note on History requirement.

④ Students needing to meet the requirement of the American Chemical Society for a degree in Chemistry will be permitted to do so.

⑥ Students who have selected Music as a major may take up to 20 additional hours in music and/or music activities as electives.

THE MAJOR FIELDS

BIOLOGY

Science 50, 51, Invertebrate Zoology.....	10	
Science 52, Vertebrate Zoology	5	
Science 55, 56, Botany	10	
Science 67, Taxonomy of Plants.....	5	
① Elective (from Upper Division Biology courses).....	15	
		45

CHEMISTRY

② Science 70, 71, General Inorganic Chemistry.....	10	
Science 72, Qualitative Analysis.....	5	
Science 110, Quantitative Analysis.....	5	
Science 113, 114, Organic Chemistry.....	10	
Science 135, 136, 137, Physical Chemistry.....	15	
		45

ECONOMICS

Lower Division:

Economics 68, Economics of Production.....	5	
Economics 69, Economics of Distribution.....	5	
Commercial Education 65, Principles of Accounting I.....	5	15

Upper Division:

Economics 105, Money and Banking.....	5	
Economics 110, Public Finance and Taxation.....	5	
Economics 115, Economics of Labor.....	5	
Commercial Education 106, Business Statistics.....	5	
History 116, Economic History of the United States.....	5	
Upper Division elective from Economics, Geography, History, Sociology, or Commercial Education.....	5	30
		45

ENGLISH

English 50, Language and Reading.....	3	
English 51, Approach to Poetry.....	3	
English 52, Advanced Composition.....	3	
English Literature	10	
American Literature	5	
Electives to complete requirement.....	21	
		45

Speech 105 may be counted as an elective in English.

① Pre-Medical students will need to elect Comparative Anatomy.

② If elected in fulfillment of General Educational requirement, choose 10 hours of Upper Division Chemistry courses instead.

FINE ARTS

Fine Art 50, Drawing	5	
Fine Art 51, Lettering	3	
Fine Art 52, Painting	5	
Fine Art 53, Art History and Appreciation.....	3	
Fine Art 54, Modeling and Sculpturing.....	5	
Fine Art 56, Water Color.....	5	
Fine Art 100, Figure Construction and Composition.....	2	
Fine Art 101, Creative Design.....	5	
Fine Art 107, Layout and Design.....	5	38
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Plus 7 hours to be selected from Industrial Arts 70, 73, and 74 or from Fine Arts 102, 108, 109, 113, and 116.....		7
		<hr/> 45

GEOGRAPHY

Lower Division:		
③ Geography 50, Economics Geography.....	5	
Geography 81, Physical Geography.....	5	
Geography 83, Weather and Climate.....	5	15
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Upper Division:		
Geography 110, Geography of North America.....	5	
Geography 111, Geography of Latin America.....	3	
Geography 112, Geography of Europe.....	3	
Geography 114, Conservation of Natural Resources.....	3	
Geography 115, Cartography	2	
Geography 118, Geography of Asia.....	3	
Geography 120, Geography of China.....	2	
Geography 122, Geography of the Pacific Northwest.....	3	
Geography 123, Geography of the Soviet Union.....	2	
Geography 125, Field Studies of Washington Areas.....	4	30
		<hr/> 45

HEALTH AND PHYSICAL EDUCATION

Since most major students in the field of Physical Education must find employment in the public schools they are required to complete the training for certification at the elementary or junior high school level. They should follow one of the programs outlined on pages 40, 41, and 49.

③ If Geography 50 is elected in fulfillment of the General Education requirement, substitute one of the following courses:

Science 61, Historical Geology.....	5
Science 60, Earth Science.....	5

HISTORY

Lower Division:

* History 50, History of the United States I.....	5	
* History 51, History of the United States II.....	5	
History 54, Modern Europe or History 58 Ancient and Medieval History or History 59 Modern World History.....	5	15

Upper Division:

History 104, The Latin American Republics.....	5	
History 109, The West in American History.....	5	
Electives from Upper Division.....	20	30
		45

HOME ECONOMICS

Lower Division:

Home Economics 21, Nutrition (taken with Home Economics 2)....	2	
Home Economics 50, Food Preparation.....	5	
Home Economics 63, Weaving.....	2	
Home Economics 70, Clothing Selection and Construction.....	5	

Upper Division:

Home Economics 105, Household Management.....	3	
Home Economics 106, Consumer Problems.....	2	
Home Economics 110, Family Relations.....	3	
Home Economics 115, Child Care in the Home.....	3	
Home Economics 120, Advanced Nutrition.....	3	
Home Economics 151, Meal Planning, Preparation and Service.....	5	
Home Economics 161, Textiles.....	5	
Home Economics 165, Home Planning and Furnishing.....	5	
Home Economics 171, Advanced Clothing Construction.....	3	

46

INDUSTRIAL ARTS

Industrial Arts 70, Creative Crafts.....	5	
Industrial Arts 71, Wood Work.....	5	
Industrial Arts 73, Photography.....	3	
Industrial Arts 74, Pottery.....	5	
Industrial Arts 83, General Metals.....	5	
Industrial Arts 85, Sheet Metal and Electrical Construction.....	5	
Industrial Arts 113, Advanced Furniture Construction.....	5	
Fine Arts 101, Creative Design.....	5	41
Plus 5 hours elective in field of Fine or Industrial Arts and subject to approval of the major adviser.....	4	4

45

MATHEMATICS

Mathematics 50, College Algebra, or Math. 54.....	5	
Mathematics 51, Trigonometry, or Math. 55.....	5	
Mathematics 52, Analytic Geometry and Calculus, or Math. 56.....	5	
Mathematics 101, 102, 103, Calculus.....	15	
Mathematics 105, 106, Differential Equations.....	10	
Elective (from Upper Division Mathematics Courses).....	5	

45

* If History 50 and 51 or either is elected in fulfillment of the General Education Requirement, other History courses may be taken from Upper or Lower Division upon approval of the department.

PHYSICS

Science 5, Physics Problems.....	3
Science 77, 78, 79, General Physics.....	15
Science 117, Electricity, Magnetism and Radiations.....	5
Science 118, Optics	5
Science 119, Mechanics and Wave-motions.....	5
Elective (at least 5 hours from Upper Division Physics Courses or from Mathematics courses numbered above 103).....	12
	—
	45

MUSIC

Music 20, Ear Training and Sight Singing.....	3
Music 50, 64, 111, Harmony.....	9
Music 116, 117, 118, Counterpoint.....	9
Music 104, Form Analysis.....	3
Music 112, 113, 120, Music History and Appreciation.....	9
Music 107, Choral and Instrumental Conducting.....	3
Elective	9
	—
	45

RECREATION

Those desiring to complete a major in Recreation should complete the basic requirements for teacher training at the elementary or junior high school level as specified on pages 38 and 45. In addition they complete the major in Recreation as follows:

Physical Education 59, Introduction to Community Recreation.....	3
Physical Education 124, Organization and Administration of Community Recreation	5
Physical Education 125, Program Planning in Community Recreation	5
Physical Education 126, Public Relations in Community Recreation	2
Education 106 Rec. Field Work in Community Recreation.....	5
	20
	—

Elect 25 hours with guidance from three of the following fields:

Physical Education, Music, Art, Industrial Art, Drama.....	25	25
	—	—
		45

SOCIAL SCIENCE**Lower Division**

* Sociology 50, Anthropology or Sociology 51	
Principles of Sociology	5
* Economics 70, Principles of Economics.....	5
* Political Science 52, American Government.....	5
	15
	—

Upper Division

Sociology 111, Contemporary Social Thought or Social Science 119, Social Problems.....	5
History 116, Economic History of the United States.....	5
Political Science 100, International Relations.....	5
	15
	—

Elective credits—Upper Division—from Commercial Education, Economics, Geography, History, or Sociology.....	15	15
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* If any or all of these courses are taken in fulfillment of the General Education Requirement, other courses from the Division of Social Science and History—either upper or lower division—may be substituted upon approval of the department.

SPEECH AND DRAMA

Speech 50, Voice and Articulation.....	2
Speech 54, Oral Interpretation.....	3
Speech 130, Problems in Speech and Drama.....	2
Electives to complete requirement.....	38
	<hr/>

45

English 104 may be counted as an elective in Speech and Drama

JUNIOR COLLEGE AND PRE-PROFESSIONAL PROGRAMS

These programs are planned for two groups of students: those who wish one or two years of college work prior to entering an occupation; and those who wish to do pre-professional work for one or to years before entering a professional school, university or college.

COMMERCIAL ART

This is a suggested schedule especially arranged for those interested in an intensive commercial art program. It gives adequate preparation for many positions in the field of art.

FIRST YEAR

Autumn

English 1, English Composition.....	5
Art 1, Art Structure.....	5
Art 51, Lettering.....	3
Elective.....	2
Physical Education.....	1
	<hr/>

16

Winter

Art 50, Freehand Drawing.....	5
Art 101, Creative Design.....	5
Art 117, Advanced Lettering.....	2
Elective.....	3
Physical Education.....	1
	<hr/>

16

Spring

Art 52, Beginning Painting.....	5
Art 100, Figure Construction and Composition.....	2
Art 107, Layout and Design.....	5
Elective.....	3
Physical Education.....	1
	<hr/>

16

SECOND YEAR

Autumn

Art 53, Art History and Appreciation.....	3
Art 56, Water Color.....	5
Art 109, Advanced Layout and Design.....	5
Elective.....	2
Physical Education.....	1
	<hr/>

16

Winter

Art 118, Production Techniques in Advertising Art.....	5
Art 121, Fashion Illustration.....	5
Art 141, Art and Modern Living.....	2
Elective	3
Physical Education	1
	—
	16

Spring

Art 55, Print Making.....	3
Art 112, Advanced Figure Construction and Composition.....	3
Art 126, Interior Design	4
Elective	5
Physical Education	1
	—
	16

BACTERIOLOGY

The pre-medical courses may be taken for the first two years by those desiring to major in bacteriology. Later specialization could lead to medical bacteriologist, dairy bacteriologist, dairy inspector, clinical diagnostician, sanitary inspector, hygiene and public health.

HOME ECONOMICS

Two years of college work in home economics may be taken for transfer to another college by those who wish to teach in high school. (For Home Economics major requirements in this college see pages 41 and 50.)

FIRST YEAR**Autumn**

Science 70, General Inorganic Chemistry.....	5
English 1, English Composition.....	5
Art 1, Art Structure.....	5
Physical Education	1
	—
	16

Winter

Science 71, General Inorganic Chemistry.....	5
English 2, English Composition.....	3
Science 80, Physiology and Anatomy.....	5
Elective	2
Physical Education	1
	—
	16

Spring

Home Economics 161, Textiles.....	5
Science 92, Bacteriology.....	5
Home Economics 50, Food Preparation.....	5
Physical Education	1
	—
	16

SECOND YEAR

Autumn

Home Economics 70, Clothing Selection and Construction.....	5
Science 114, Elementary Organic Chemistry.....	5
Literature or History.....	5
Physical Education	1
	<hr/>
	16

Winter

Science 78, General Physics.....	5
Science 113, Elementary Organic Chemistry.....	5
Social Science 51, Principles of Sociology.....	5
Physical Education	1
	<hr/>
	16

Spring

Home Economics 151, Meal Planning, Preparation and Service.....	5
Science 77, General Physics.....	5
Psychology 1, General Psychology.....	5
Physical Education	1
	<hr/>
	16

LIBRARY ADMINISTRATION

Students interested in becoming librarians may qualify for entry into a graduate library school by completing the requirements for a Bachelor of Arts Degree in Education, providing they have a reading knowledge of one modern foreign language.

The following elective courses are helpful in preparing for library work:

- Commercial Education 51, Elementary Typing
- Art 51, Lettering
- Art 107, Layout and Design
- Any course offered in Library Administration

METEOROLOGY

The following two-year course includes the requirements which, with a college degree, will enable one to qualify for a civil service position as junior meteorologist.

FIRST YEAR

Autumn

Science 27, General Physics.....	5
English 1, English Composition.....	5
Mathematics 50, College Algebra.....	5
Physical Education	1
	<hr/>
	16

Winter

Geography 110, Geography of North America.....	5
Mathematics 51, Trigonometry.....	5
Science 28, General Physics.....	5
Physical Education	1
	<hr/>
	16

Spring

English 2, English Composition.....	3
Mathematics 52, Analytical Geometry and Calculus.....	5
Science 29, General Physics.....	5
Elective	2
Physical Education	1
	<hr/>
	16

SECOND YEAR**Autumn**

Mathematics 101, Calculus.....	5
Geography 1, World Geography.....	5
Elective	5
Physical Education	1
	<hr/>
	16

Winter

Mathematics 102, Calculus.....	5
Geography 118, Geography of Asia.....	3
Geography 123, Geography of the Soviet Union.....	2
Elective	5
Physical Education	1
	<hr/>
	16

Spring

Mathematics 103, Calculus.....	5
Geography 83, Weather and Climate.....	5
Elective	5
Physical Education	1
	<hr/>
	16

MUSIC

This program is designed to provide the opportunity for the music student to do intensive work in the field of his choice. The satisfactory completion of this program should make it possible for the student to continue his study in a conservatory of music.

FIRST YEAR**Autumn**

English 1, English Composition.....	5
Music 1, Fundamentals of Music.....	5
* Music 76a, Piano	1½-3
* Music 76b, Voice; 76c, Strings; 76d, Woodwind; 76e, Brass, or 76f, Organ	1½-3
Physical Education	1
	<hr/>
	15½

Winter

English 2, English Composition.....	3
Music 50, Elementary Harmony.....	3
* Music 77a, Piano.....	1½-3
* Music 77b, c, d, e, or f.....	1½-3
Music 55d, Woodwind Class.....	1
Elective	2
Physical Education	1
	<hr/>
	14½

* See note on next page.

Spring

Psychology 1, General Psychology.....	5
Music 64, Intermediate Harmony.....	3
* Music 78a, Piano.....	1½-3
* Music 78b, c, d, e, or f.....	1½-3
Music 56e, Brass Class.....	1
Elective	3
Physical Education	1
	<hr/>
	17½

SECOND YEAR**Autumn**

Music 111, Advanced Harmony.....	3
Music 104, Form Analysis.....	3
* Music 100a, Applied Piano—Advanced.....	1½-3
* Music 100b, c, d, e, or f.....	1½-3
Music 54c, String Class.....	1
Elective	5
Physical Education	1
	<hr/>
	17½

Winter

Music 112, Music History to 1800.....	3
Music 116, Counterpoint	3
* Music 101a, Applied Piano—Advanced.....	1½-3
* Music 101b, c, d, e, or f.....	1½-3
Elective	5
Physical Education	1
	<hr/>
	16½

Spring

Music 113, Music History from 1800.....	3
Music 106, Composition	3
* Music 102a, Applied Piano—Advanced.....	1½-3
* Music 102b, c, d, e, or f.....	1½-3
Elective	5
Physical Education	1
	<hr/>
	16½

A music student is required to participate in one of the campus musical organizations each quarter, with or without credit.

* A student must choose a major and minor applied subject. If his major is piano, he will choose his minor from (b) voice, (c) string, (d) woodwind, (e) brass, or (f) organ. If his major is other than piano, he must choose piano as his minor. In his major subject, the student will receive two half-hour lessons per week and his credit will be 3 credit hours. The minor subject will receive 1 half-hour lesson per week and 1½ credit hours. Fees: \$15.00 per quarter (ten lessons) for voice and all instruments except organ, which is \$25.00 per quarter (ten lessons).

PRE-ENGINEERING

The following one-year course in pre-engineering is designed to fit the needs of those students who are interested in some branch of the engineering field. This one-year pre-engineering course may be used as the first year of any branch of the engineering field, including chemical engineering, civil engineering, mechanical engineering, electrical engineering, and aeronautical engineering.

Autumn

Science 70, General Inorganic Chemistry.....	5
Mathematics 50, College Algebra.....	5
English 1, English Composition.....	5
Physical Education	1
	<hr/>
	16

Winter

Science 71, General Inorganic Chemistry.....	5
Mathematics 51, Trigonometry.....	5
English 2, English Composition.....	3
Elective	2
Physical Education	1
	<hr/>
	16

Spring

Science 72, Qualitative Analysis.....	5
Mathematics 52, Analytical Geometry and Calculus.....	5
Economics 70, Principles of Economics.....	5
Physical Education	1
	<hr/>
	16

PRE-FORESTRY**Autumn**

English 1, Composition.....	5
Science 70, General Inorganic Chemistry.....	5
Mathematics 50, College Algebra.....	5
Physical Education	1
	<hr/>
	16

Winter

English 2, Composition.....	3
Science 71, General Inorganic Chemistry.....	5
Science 55, Botany	5
Industrial Arts 79, Mechanical Drawing.....	3
Physical Education	1
	<hr/>
	17

Spring

Mathematics 51, Trigonometry.....	5
Science 56, Botany	5
Industrial Arts 111, Engineering Drawing.....	3
Elective	2
Physical Education	1
	<hr/>
	16

PRE-JOURNALISM

English 1, English Composition.....	5
English 60, Introduction to Journalism.....	2
Commercial Education 61, Business Law.....	3
Geographp 50, Economic Geography.....	5
Physical Education	1
	<hr/>
	16

Winter

English 2, English Composition.....	3
English 65, Newswriting.....	2
Sociology 51, Principles of Sociology.....	5
Art 51, Lettering or Industrial Arts 73, Photography.....	3
Elective	2
Physical Education	1
	<hr/>
	16

Spring

English 67, Editing.....	2
Psychology 1, General Psychology.....	5
Economics 70, Principles of Economics.....	5
English 55, Approach to Literature or English 70, Modern Literature.....	3
Physical Education	1
	<hr/>
	16

PRE-LAW

Students desiring to prepare for the study of law may take the following program for two years. It is advisable for the student to check carefully the requirements of the law school to which he proposes to transfer his credits, before entering the second year of pre-law work.

FIRST YEAR

Autumn

History 50, The History of the United States I.....	5
Sociology 20, Development of Social Institutions.....	5
English 1, English Composition.....	5
Physical Education	1
	<hr/>
	16

Winter

History 51, The History of the United States II.....	5
English 2, English Composition.....	3
Sociology 51, Principles of Sociology.....	5
Elective	2
Physical Education	1
	<hr/>
	16

Spring

Speech 1, Fundamentals of Speech.....	2
English 52, Advanced Composition.....	3
Sociology 52, American Government.....	5
Psychology 1, General Psychology.....	5
Physical Education	1
	<hr/>
	16

SECOND YEAR

Autumn

Economics 68, Economics of Production.....	5
English 100, English Literature.....	5
Elective—Business Law, Mathematics, Laboratory Science, Foreign Language	5
Physical Education	1
	<hr/> 16

Winter

Economics 69, Economics of Distribution.....	5
Philosophy 129, Introduction to Philosophy.....	5
Elective—Business Law, Mathematics, Laboratory Science, Foreign Language	5
Physical Education	1
	<hr/> 16

Spring

Sociology 119, Social Problems.....	5
History 59, Modern World History.....	5
History 60, English Constitutional History.....	5
Physical Education	1
	<hr/> 16

PRE-MEDICINE AND PRE-DENTISTRY

The first two years are devoted to general education—social science, the humanities, elementary physical and biological sciences. For entrance into medical school three years of work or a degree are required, depending upon the school.

The following two-year program consisting of courses acceptable for transfer is suggested.

FIRST YEAR

Autumn

Science 70, General Inorganic Chemistry.....	5
Science 50, Invertebrate Zoology.....	5
English 1, English Composition.....	5
Physical Education	1
	<hr/> 16

Winter

Science 71, General Inorganic Chemistry.....	5
Science 51, Invertebrate Zoology.....	5
English 2, English Composition.....	3
Elective	2
Physical Education	1
	<hr/> 16

Spring

Science 72, Qualitative Analysis.....	5
Science 52, Vertebrate Zoology.....	5
Psychology 1, General Psychology.....	5
Physical Education	1
	<hr/> 16

SECOND YEAR

Autumn

Science 27, General Physics.....	5
Science 110, Quantitative Analysis.....	5
Elective	5
Physical Education	1
	<hr/>
	16

Winter

Science 113, Elementary Organic Chemistry.....	5
Science 28, General Physics.....	5
Elective	5
Physical Education	1
	<hr/>
	16

Spring

Science 29, General Physics.....	5
Science 114, Elementary Organic Chemistry.....	5
Economics 70, Principles of Economics.....	5
Physical Education	1
	<hr/>
	16

Suggested Electives Science 90 and 91, Human Physiology
 Science 80, Physiology and Anatomy
 Sociology
 History

PRE-NURSING

One Year Program

By agreement with the State Supervisor of Nursing, the Central Washington College of Education has been designated as the school in Central Washington where the preliminary courses in preparation for nursing may be taken. The curriculum consists of four quarters of work and, because some of the required courses are offered only once a year, one can pursue the curriculum to best advantage by enrolling in the autumn quarter and remaining throughout four quarters. **This program is for those who plan to go directly into hospitals for training after one year.**

Autumn

Science 70, General Inorganic Chemistry.....	5
Science 90, Human Physiology.....	5
Health Education 52, Nursing Education.....	3
Health Education 1, Health Essentials.....	3
Physical Education	1
	<hr/>
	17

Winter

English 1, English Composition.....	5
Science 71, Inorganic Chemistry.....	5
Science 91, Human Physiology.....	5
Physical Education	1
	<hr/>
	16

Spring

English 2, English Composition.....	3
Science 92, Bacteriology.....	5
Science 93, Human Anatomy.....	5
Elective	2
Physical Education	1
	<hr/>
	16

Summer

Home Economics 90, Nutrition (for Nurses).....	5
Psychology 1, General Psychology.....	5
Social Science 51, Sociology.....	5
	<hr/>
	15

PRE-NURSING**Two Year Program**

This two-year nursing education program is designed to give the student a broad background in the arts and sciences, and to prepare young women who are interested in the profession of nursing for admission to a school of nursing as juniors, where they may do additional work, including their hospital training, for the bachelors degree and registration as a nurse.

A scholarship average of 2.5 together with the necessary physical education requirements is usually required. Following is a suggested schedule for these first two years:

FIRST YEAR**Autumn**

English 1, English Composition.....	5
Science 70, General Inorganic Chemistry.....	5
Elective	5
Physical Education	1
	<hr/>
	16

Winter

English 2, English Composition.....	3
Science 71, Inorganic Chemistry.....	5
Elective	7
Physical Education	1
	<hr/>
	16

Spring

Psychology 1, General Psychology.....	5
Home Economics 50, Food Preparation.....	5
Elective	5
Physical Education	1
	<hr/>
	16

SECOND YEAR

Autumn

Health Education 1, Health Essentials.....	3
Home Economics 21, Nutrition.....	5
Elective	7
Physical Education	1
	<hr/>
	16

Winter

Science 113, Organic Chemistry.....	5
Sociology 51, Sociology.....	5
Elective	5
Physical Education	1
	<hr/>
	16

Spring

Science 114, Organic Chemistry.....	5
Science 92, Bacteriology.....	5
Elective	5
Physical Education	1
	<hr/>
	16

Suggested electives: Courses in the departments of psychology, sociology, history, literature, speech.

Elective science credits should be limited to a maximum of 10 quarter credits, preferably in the field of Zoology.

PRE-OCCUPATIONAL THERAPY

Occupational therapy is a profession closely allied with nursing and teaching. It consists of remedial treatment for the physically and mentally ill and of crippled or injured patients. Persons in this profession are employed in general and orthopedic hospitals, psychiatric hospitals, community workshops, in schools and hospitals for handicapped children and adults such as those for the crippled, war-injured, blind, deaf, feeble-minded and tubercular.

Training for Occupational Therapy includes one year of academic college work, two years of professional courses and one year of clinical training. The following curriculum meets the requirements for the first year and includes a number of courses which can be used to meet some of the professional requirement of the second and third years in those colleges which offer a complete four year program.

FIRST YEAR

Autumn

English 1, English Composition.....	5
Science 2, Survey of Biological Sciences.....	5
Art 1, Art Structure.....	5
Physical Education	1
	<hr/>
	16

Winter

English 2, English Composition.....	3
Ind. Art 71, Woodworking.....	5
Sociology 51, Sociology.....	5
Elective	2
Physical Education	1

16

Spring

Speech 1, Fundamentals of Speech.....	2
Ind. Art 100, Arts and Crafts.....	5
Psychology 1, General Psychology.....	5
Art 55, Print Making.....	3
Physical Education	1

16

SECOND YEAR**Autumn**

Psychology 3, Child Development.....	5
Speech 119, Introduction to Speech Correction.....	5
Home Economics 63, Weaving.....	2
Elective	3
Physical Education	1

16

Winter

Psychology 103, Psychology of Adjustment.....	5
Science 80, Physiology and Anatomy.....	5
Suggested Elective—Pottery, Mechanical Drawing, Photography, Lettering	5 or 6
Physical Education	1

16 or 17

Spring

Education 100, Introduction to Teaching.....	3
Health Education 101, Kinesiology.....	3
Psychology 111, Abnormal Psychology.....	3
Library 103, School Library Administration.....	3
Elective	3
Physical Education	1

16

The above curriculum is based on the requirement for a certificate in Occupational Therapy. Students who intend to qualify for a degree in Occupational Therapy must select additional courses usually requiring one more year of study. Any student wishing to follow such a program should consult the Registrar before enrolling.

PRE-PHARMACY

The following courses lead to the degrees of Pharmaceutical Chemist and Bachelor of Science in Pharmacy. It is possible to combine pharmacy with business courses, other science courses, or pre-medicine, which would determine the electives and later specialization.

FIRST YEAR

Autumn

English 1, English Composition.....	5
Science 70, General Inorganic Chemistry.....	5
Elective in Social Sciences.....	5
Physical Education	1
	<hr/>
	16

Winter

English 2, English Composition.....	3
Science 71, General Inorganic Chemistry.....	5
Science 55, Botany.....	5
Elective	2
Physical Education	1
	<hr/>
	16

Spring

Commercial Education 64, Business Correspondence.....	3
Science 72, Qualitative Analysis.....	5
Elective	7
Physical Education	1
	<hr/>
	16

SECOND YEAR

Autumn

Science 50, Invertebrate Zoology.....	5
Science 110, Quantitative Analysis.....	5
Science 53, Comparative Anatomy.....	5
Physical Education	1
	<hr/>
	16

Winter

Science 51, Invertebrate Zoology.....	5
Science 113, Elementary Organic Chemistry.....	5
Elective	5
Physical Education	1
	<hr/>
	16

Spring

Science 114, Elementary Organic Chemistry.....	5
Economics 70, Principles of Economics.....	5
Elective	5
Physical Education	1
	<hr/>
	16

PRE-PHYSICAL THERAPY

Physical therapy is the treatment of disability, injury and disease by non-medical means comprising the use of massage, exercise, and the physical, chemical and other properties of heat, light, water, and electricity (except x-ray, radium, and electro-surgery).

Prerequisites for specialization in physical therapy call for two or three years of college or university study including work in physical and biological sciences. The following curriculum is recommended by the American Physiotherapy Association and will serve as a basic foundation to prepare students for further specialized work in this field.

FIRST YEAR**Autumn**

English 1, English Composition	5
Science 50, Invertebrate Zoology.....	5
Science 70, General Inorganic Chemistry.....	5
Physical Education	1
	<hr/>
	16

Winter

English 2, English Composition.....	3
Science 51, Invertebrate Zoology.....	5
Science 71, General Inorganic Chemistry.....	5
Elective	2
Physical Education	1
	<hr/>
	16

Spring

Science 52, Vertebrate Zoology.....	5
Psychology 1, General Psychology.....	5
Elective	5
Physical Education	1
	<hr/>
	16

SECOND YEAR**Autumn**

Health Education 1, Health Essentials.....	3
Speech 1, Fundamentals of Speech.....	2
Psychology 3, Child Development.....	5
Science 27, General Physics.....	5
Physical Education	1
	<hr/>
	16

Winter

Psychology 111, Abnormal Psychology.....	3
Health Education 109, First Aid.....	2
Science 80, Physiology and Anatomy.....	5
Science 28, General Physics.....	5
Physical Education	1
	<hr/>
	16

Spring

Health Education 101, Kinesiology.....	3
Psychology 102, Educational Psychology and Measurement.....	4
Science 93, Human Anatomy.....	5
Health Education 106, Physiology of Exercise.....	3
Physical Education	1

16**PRE-SOCIAL SERVICE**

A two-year basic foundation course may be taken by students interested in the field of social work—those social services rendered by governmental-public and voluntary-private agencies. These courses will provide the required background for the specific professional courses, such as family and child welfare, medical and psychiatric social work, community organization and social group work, and will be transferable with full credit.

FIRST YEAR**Autumn**

English 1, English Composition.....	5
Science 50, Invertebrate Zoology.....	5
Elective	5
Physical Education	1

16**Winter**

English 2, English Composition.....	3
Science 51, Invertebrate Zoology.....	5
Social Science 51, Principles of Sociology.....	5
Elective	2
Physical Education	1

16**Spring**

English 55, Introduction to Literature.....	3
Science 52, Vertebrate Zoology.....	5
Political Science 52, American Government.....	5
Elective	2
Physical Education	1

16**SECOND YEAR****Autumn**

Sociology 50, Anthropology.....	5
Psychology 1, General Psychology.....	5
Philosophy 129, Introduction to Philosophy.....	5
Elective	3
Physical Education	1

19

Winter

Psychology 3, Child Development.....	5
Home Economics 2, General Nutrition.....	3
Home Economics 105, Home Management.....	3
Speech or History.....	3
Physical Education	1
	<hr/>
	15

Spring

Economics 70, Principles of Economics.....	5
Psychology 102, Educational Psychology and Measurement.....	4
Home Economics 110, Family Relations.....	3
English 52, Advanced Composition or Health Education 107, Home Care of the Sick or History or Economics.....	3
Physical Education	1
	<hr/>
	16

Electives should be chosen under careful guidance to insure a full year of transferable credit in the essential background courses of English, sociology, biology, psychology, history and economics.

SECRETARIAL SCIENCE

Those who wish to prepare for positions as secretaries, accountants, and general office workers may take the one-year course in secretarial science.

Autumn

English 1, English Composition.....	5
* Commercial Education 56, Shorthand.....	5
* Commercial Education 51, Elementary Typing.....	1
Commercial Education 3, Business Arithmetic.....	3
Physical Education	1
	<hr/>
	15

Winter

English 2, English Composition.....	3
Commercial Education 57, Shorthand.....	5
Commercial Education 52, Typing.....	1
Commercial Education 65, Principles of Accounting I or Commercial Education 60, Secretarial Practice (2), and Commercial Education 4, Office Machines (3).....	1
Physical Education	1
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	15

Spring

Commercial Education 64, Business Correspondence.....	3
Commercial Education 58, Shorthand.....	5
Commercial Education 53, Typing.....	1
Commercial Education 105, Principles of Accounting II or Commercial Education 106, Business Statistics.....	5
Commercial Education 109, Civil Service Training.....	2
Physical Education	1
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	17

* Those students who have had shorthand and typing in high school may take electives here the first quarter.

Part VIII

DESCRIPTION OF COURSES

EDUCATION, PHILOSOPHY, AND PSYCHOLOGY

A major or minor in Education and Psychology is accepted only of experienced teachers who may have returned for advanced certification and who had a portion of their work before a major and minor in academic departments were required. A major or a minor in this department is recommended in the case of experienced teachers who are planning to qualify for supervisory or administrative positions.

A major is 30 hours and a minor, 15 hours. The major or minor requirement is in addition to the regularly required courses in this department.

DEPARTMENTAL COURSES

Education

1. Introduction to Education. The major emphasis in this course is that of guiding students who wish to know about the teaching profession and to learn what personal abilities and qualifications are necessary for success. Supervisors and classroom teachers in the College Elementary School will often assist. Observation of teaching on various grade levels and in various types of schools will correlate the classroom work with actual teaching procedures. Three credits.

2. Career Planning. A course designed to orient the student with the necessary abilities and aptitudes leading toward various professions. One credit.

50. Cursive and Manuscript Writing. A course for prospective teachers to develop legible writing. Attention is given to the psychological bases of writing with suggestions for teaching in the elementary schools. One unit of the course gives the fundamentals of simple manuscript writing and uses in the primary, intermediate and upper grades. One credit.

51. Mathematics for Teachers. An academic course based on the mathematical skills and abilities which are needed by the teacher of arithmetic. Two credits.

100. Introduction to Teaching. Through observation, class discussions, and related reading, the student will become familiar with materials and procedures used from the kindergarten through the grades of the elementary school and the junior high school. Frequent observation of children, learning under the guidance of experienced teachers, will give meaningful background for the analysis of present-day trends in teaching. Prerequisite, Psychology 3. Three credits.

101. History of Education. The material used in Education 101 involves a study of Greek, Roman, Christian, and modern European educational traditions and practices, with an attempt to define their influences upon western civilization and institutions. Prerequisite, junior standing. Three credits.

102. Contemporary Movements in Education in the United States. A study of the American school system, its ideals, institutions, and practices, from early European influences to the present time. Prerequisite, junior standing. Three credits.

103. Teaching Procedures in the Language Arts. This course is designed for elementary and junior high school teachers, principals and supervisors. Emphasizes curriculum objectives and selection of subject matter content, the materials and methods of instruction, and latest research accomplishments in language and spelling. Three credits.

104a, b or c. Directed Teaching. The aim of the first teaching unit is to induct the individual gradually into the responsibilities of classroom teaching. At first the student assists the room teacher, later takes some responsibility, and toward the close of the quarter may take complete charge of planning, teaching, and evaluating one or more units of work. Students elect to teach in kindergarten-primary, 104a; intermediate, 104b; junior high school, 104c. Prerequisites, Education 1 and 100, Psychology 1 and 3. Five credits.

105a, b, or c. Curriculum and Methods. In this course a thorough study is made of how children learn and of the teaching procedures used in reading, the social studies, science, language, spelling, writing, and arithmetic. The subjects are treated separately and as inter-related parts of activity and experience units. Some analysis is made of relevant recent research studies; of the psychological, sociological, and philosophical principles underlying the selection and development of curricular units. Textbooks and other material of instruction are examined and evaluated. Prerequisites, Education 100 and 104. Five credits.

106a, b, or c. Directed Teaching. Each student will be given a second assignment in directed teaching in which the assignments will be on a half-day basis for one quarter. This assignment will include experiences in the various types of activities connected with the operation of the school. Prerequisites, Education 100 and 104. Education 105 must precede or be taken with 106. Ten credits.

106h. Directed Teaching in a Remedial Class. This course provides directed observation and teaching in a remedial room in order to prepare for remedial teaching in the public schools. Five credits.

107. School Law. A study of those laws of the state of Washington which have a bearing upon the public school education. Required of all students who receive a teaching certificate from the college. Prerequisite, one quarter of student teaching or teaching experience. One credit.

108. Activities in the Junior High School. Underlying principles of the philosophy, organization, and guidance of school and community organizations of the early teen age are studied. Such activities as athletics, assemblies, hobby clubs, dramatics, newspapers, and scouting as they operate in both integrated and extra-class programs are included in this course. A student registering in this class will be expected to serve as adviser or assistant adviser to a children's group in one of the school or community organizations. Prerequisite, junior standing. Three credits.

109. The Elementary School Principal. A practical course dealing with the preparation and training of elementary school principals, problems of organization and administration of a single school, community relations, pupil and teacher problems. Actual and practical problems of the elementary school administrator are studied and discussed. Prerequisite, experience or junior standing. Five credits.

110 School Supervision. The object of this course is to familiarize the student with the problems, responsibilities, privileges, and duties of both teacher and supervisor, and to direct attention to the improvement of teachers in service through a comprehensive program of supervision. Prerequisite, experience or junior standing. Five credits.

112. Philosophy of Education. This course is speculative and is an attempt to develop, through a study of the various sources of knowledge, a positive attitude toward education as basic in the development of human life and institutions. Prerequisites, Education 104, Psychology 1 and 3. Three credits.

116. Diagnostic Techniques and Measurements. The purposes of this course are to consider the problems connected with non-typical child—hard of hearing, partially sighted, speech defectives, mental defectives, and those of low vitality—and to study the methods of diagnosis and the means by which the school may meet the needs of every child. Three credits.

117. Teaching of Reading. This course is designed to acquaint the student with reading techniques, reading in the content fields, the skills and abilities of a good reading program, the function of oral reading, and the place of meaning in reading. Prerequisite, Education 104. Three credits.

118. Nursery School, Kindergarten, and Junior Primary Procedures. This course is designed to give guidance in teaching procedures with young children. It includes a study of desirable equipment, materials and curriculum for Nursery School, Kindergarten, and the Junior Primary. Prerequisite, Education 104 and 105. Three credits.

119. Modern Educational Problems. The purpose of this course is to complete the professional preparation of student teachers. The material will be organized into several units somewhat as follows:

1. Philosophy of education for a democracy, and evaluation of present-day theory and practice.
2. School and community relationships.

3. The organization of instruction, basic issues, techniques, and trends in curricula development.
4. Teaching as a profession, professional ethics, and growth in service. Prerequisites, Education 106 and Psychology 102. Five credits.

120. Directed Observation. An observation course designed primarily for experienced teachers. It may be elected by third and fourth year students who are minors in Education. The student is held responsible for individual investigation and research. Prerequisite, teaching experience or junior standing. Five credits.

121. Unit Course in Teaching. A course which is open to experienced teachers in lieu of Education 104 and to those students who are capable of making an analysis of the larger teaching problems. The course consists of a number of teaching problems or units. Prerequisite, teaching experience or junior standing. Five credits.

122. Education Seminar. This course offers opportunity for research and field work to advanced students capable of doing independent investigation. Approval of instructor is necessary for admission to this course. Credit arranged.

124. Reading Readiness. A study is made of factors in child development which are intimately related to success in beginning reading. Ways of checking readiness include the analysis of physical, mental, and reading-readiness tests and experience in their use. Consideration is given to kindergarten and beginning first grade experiences which build background for reading. Prerequisite, junior standing or teaching experience. Two credits.

125. Remedial Reading. A study is made of the causes of low reading ability and the techniques to be employed in teaching the poor reader. Consideration is given to the mechanics of reading, diagnosis, motivation aids, and problems of the partially sighted and those with other handicaps. Three credits.

126. Remedial Arithmetic. A study of the psychology of learning arithmetic and the difficulties encountered by the slow learner and handicapped child. Two credits.

127. Sight Saving. A study of common eye defects, vision testing, and the problems of sight conservation. Consideration is given to the adjustment of the classroom environment, teaching media, and curricular changes essential to teaching individuals with defective vision. Two credits.

128. Teaching of Arithmetic. The purpose of this course is to acquaint the student with the purposes, principles and methods of instruction. Attention is given to the true nature of the fundamental processes, the "discovery" method as one means of putting the "meaning theory" into practice, the use of proof, the building of number concepts and the purpose of problems. Three credits.

132. The Modern Reading Program. This course deals with the essential elements of a complete reading program. Study will in-

clude the nature of reading, modern trends, broad objectives, methods of instruction on various levels of teaching, mechanics of reading, testing program, diagnosis, techniques of improving reading ability and the analysis of materials. Research studies in all phases will be considered. Prerequisite, junior standing or teaching experience. Three credits.

139. Visual Instruction. This course provides an opportunity for teachers to learn the proper place of visual instruction in the program of the elementary and junior high school. Much time is spent in the study and analysis of the purposes and various uses of all visual instruction media of the classroom. Provision is made for those enrolled in this class to gain practice in the operation of motion picture machines and other types of classroom projection equipment. Five credits.

143. Junior High School Administration. A course for teachers who have administrative responsibilities in the junior high school. The history, philosophy, curriculum and practices of the modern junior high school are studied. The problems of administration pertinent to early adolescence, such as guidance, programming, caring for individual needs, curriculum organization, and co-curricular activities are stressed. The junior high school is evaluated in light of its success and present needs. Prerequisite, experience or junior standing. Five credits.

144. Radio and Recording in the Classroom. This course is designed to assist in the study of radio and educational recordings as a part of the school program. A short time is devoted to the background of radio in American education and research in this field. A greater part of the time is used in the investigation of "Broadcasts for School Use," "How Teachers Use Radio," "Radio in the Curriculum," "Use of Recordings," "Student Broadcasts," "Contribution of Out-of-School Radio," and "Program Discrimination." Students will be given the opportunity to acquaint themselves with modern classroom sound equipment. Two credits.

145. Helping the Exceptional Child (in the Regular Classroom). An orientation course in the field of remedial education. The detection of physical and educational handicaps; the teachers' role in guidance and follow-up procedures; integration of classroom procedures with the remedial program; procedures in the prevention of handicaps. Two credits.

146. Introduction to Guidance. This course considers the philosophy underlying guidance, i.e., the personnel viewpoint and the major areas of guidance—namely, educational, personal-social and vocational adjustments. Consideration is directed toward the tools of guidance such as cumulative records, case studies, tests, observation, rating scales, etc., and their application at various levels of educational and social development. Three credits.

147. Reading Problems in the Junior High School. A course to develop an understanding of the teaching techniques of: (1) the

psychological factors involved in reading; (2) the reading program in the junior high school; (3) the causes of inefficient reading and the techniques of locating and improving disabilities of the poor reader; (4) instructional materials and activities for developing reading abilities and study skills in work-type reading. Three credits.

148. Workshop. This course is designed to give the student an opportunity to share in developing plans for individual and group study of problems. Laboratory facilities will be included as part of the workshop; specialists will lead discussions on various problems concerning elementary education. Six credits.

150. Visual Education Workshop. Here each student works under guidance on problems from the field of audio-visual instruction which are of particular importance to him. Opportunity for developing materials for use in the classroom will be provided. Five credits.

151. Administration of the Instructional Aids Program. Here the student will study the requirements of a particular school or school system and suggest, under guidance, an adequate instructional aids program for this school. Techniques of surveying, planning, providing equipment and materials, and directing an instructional aids program are studied. Prerequisites, Education 139 and Education 150. Three credits.

175. School Building Planning. This course is designed to acquaint the student with the importance of planning a school building with relationship to a sound philosophy of the aims and purposes of education. The school plant is an educational tool and should be designed to provide facilities for national and community needs of our democratic society. Five credits.

201. Educational Foundations. This course is required of all students who are candidates for an advanced degree. Special attention is given in this course to recent programs and problems of post-war adjustment; to an understanding of our social institutions and the part they play in meeting the issues which confront American education. Emphasis is placed upon their educational and philosophical implications. Three credits.

202. Educational Statistics and Research. A basic course for the graduate student intended to give him the preparation needed to conduct research in the field of education. The necessary skills are developed through demonstrations and laboratory work and different types of research methods are explored and tried out. The desired outcomes are two, primarily: (1) preparations in research skills and information which can be applied to the graduate thesis or practical problem; and (2) preparation in research skills and abilities which can be utilized by the educational specialist in his professional work. Prerequisite, graduate standing. Three credits.

205. Implications of Research for the Elementary School Teacher. This course is planned to give advanced students an opportunity to study the findings of recent research in the elementary school sub-

jects and to appraise the newer practices in teaching. Prerequisite, graduate standing. Five credits.

210. Administration of the Guidance Program. A course which seeks to orient guidance into the total school program. The areas of group and individual guidance are considered. Centralized and decentralized administrative organizations and the relationship between class room teacher, administrator, specialists and the guidance worker are examined. Prerequisite, graduate standing. Two credits.

212. Guidance and Community Resources. This course encompasses the area of community planning through which all resources of the community such as recreational programs, summer camps, church and club groups, state services, parents and business are mobilized and coordinated in a positive program for youth. Prerequisite, graduate standing. Three credits.

215. Elementary and Junior High School Curricula. Required of all students who are candidates for the Master of Education Degree. In this course students will study five basic curriculum patterns, which are in use in schools of this country, and the psychological and sociological foundations of each pattern. Special attention will be given to recent trends in major subject matter fields. Three credits.

216. Principles and Techniques of Curriculum Making. Here a student will study the principles and techniques essential to curriculum construction. Practical applications of these principles and techniques will be made to give the students experience in the use of them. Education 215, Elementary and Junior High School Curricula is a prerequisite for this course. Five credits.

217. Procedures and Program of Curriculum Improvement. Here a student will be given actual experience in curriculum improvement. This experience will be based upon (a) basic philosophy, (b) a knowledge of social and community needs, (c) a knowledge of child needs, and (d) results obtained through evaluation programs. Emphasis will be placed upon the over-all program of curriculum improvement in actual school environments. Prerequisite, Education 215, Elementary and Junior High School Curricula; Education 216, Principles and Technique of Curriculum Making. Three credits.

220. Seminar in Curriculum. Students will work on individual curriculum problems. They will (a) discuss and define areas of study, (b) determine methods of work, (c) make progress reports, and (d) evaluate actual accomplishments of each student. Two credits.

250. Research Problems.

251. Field Problems. All graduate students are required to complete and satisfactorily report on some research project. Credit assigned will depend upon the merit of the completed work as judged by a faculty committee, but will not exceed six credits. The graduate student signs up for either Education 250 or Education 251 under his designated adviser and does his work under the direction of his

adviser. The time required to complete the work will vary and may consume more than one quarter, but credit will be assigned when the work is completed and approved.

Research problems will sometimes involve the writing of a thesis (i.e. in cases where a contribution is made to professional literature, in the form of original research) or it may mean investigations done in a field situation which contributes directly to the needs and interests of the graduate student. Maximum, six credits.

Philosophy

129. Introduction to Philosophy. A survey of the main problems of philosophy; materialism, idealism, realism, mysticism, empiricism, rationalism; determinism, freedom of the will; knowledge, its nature and limits; science and religion. Prerequisite, junior standing. Five credits.

130. History of Philosophy. This course includes a study of the history of European thought from Thales to the present time. Prerequisite, junior standing. Five credits.

131. Ethics. This is an effort, through the study of various ethical theories, past and present, to approximate a scientific basis for moral conduct. Prerequisite, junior standing. Five credits.

132. Modern Philosophy. An intensive study of modern and contemporary philosophers with special emphasis upon their contributions to education, and to the arts of present day living. Prerequisite, junior standing. Five credits.

Psychology

1. General Psychology. A survey of the science of Psychology, man's original nature, the way in which nature is altered by use, and the common modes of individual and social behavior are topics for reading and discussion. Five credits.

3. Child Development. The work in this course will survey the physical, mental, social and emotional development of the child from birth through adolescence. Particular emphasis will be placed on those factors of development which have a direct reference to problems in the schoolroom. Observation periods are scheduled at the College Elementary School. Prerequisite, Psychology 1. Five credits.

102. Educational Psychology and Measurement. For this course the student will review educational theories and examine their psychological background. Attention will center on the development of personality and its importance in a democratic society; on educational goals and their valid and comprehensive measurement; and on the new theories and techniques of measurement and evaluation of pupil learning. Prerequisite, Education 106. Three credits.

103. Psychology of Adjustment. A study of the unadjusted or handicapped child to give basic understandings and techniques of individual case study. Some clinical experience is provided. Five credits.

105. Clinical Psychology. For advanced students and teachers who are interested in making a careful study of unadjusted or handicapped children. Specialists in fields closely related to child development will contribute to the course in units of study relating to their special interests. Prerequisites, advanced junior or senior standing; Psychology 3, Education 100 and 104. Fee \$.25 per credit hour. Two to five credits.

106. Guidance and Personnel Procedures. The personnel point of view is always constructive, preventative, educative, or re-educative. Personal techniques and practices, such as testing, interviews, visiting teachers, faculty advisers, orientation, placement, discipline problems, and mental hygiene problems are considered. Prerequisite, Psychology 1 and 102. Three credits.

107. Social Psychology. A course for students who are interested in the general college or pre-social service programs, but also may be taken by students in the professional program. The content of the course emphasizes the importance of an understanding of social factors in the interpretation of human behavior; such topics as the influence of environment on human behavior, the origins of motives, social factors in perception, and influence of the group on the individual, will be studied. Prerequisite, Psychology 1. Three credits.

108. Psychology of Adolescence and Guidance. This course is designed to orient the student with the needs of adolescents, the development of attitudes, development of the adolescent and the organization of personality during the years of adolescence, the guidance of adolescents with emphasis on guidance and control, educational needs, and vocational choice and adjustment. Three credits.

110. Psychological Seminar. Individuals who are ready to make studies along psychological lines are encouraged to take this course. Topics will be chosen to meet the interests of the individuals. By permission of instructors only. Prerequisites, Psychology 1 and 3. Credit arranged.

111. Abnormal Psychology. A study of behavior variations from the normal personality. It includes a survey of symptoms, causes, and treatment of organic and functional mental disorders, as psychoneurosis, psychosis, and general mental deficiency. It covers psychotherapy, as applied to classroom and community problems. Prerequisite, Psychology 1. Three credits.

200. Human Growth and Development. An advance course in child development with emphasis upon the sequential nature of motor and emotional development, the growth of understanding, social adjustments and personality. Opportunity to study children and to analyze special problems. Observations scheduled at College Elementary School. Three credits.

FINE AND INDUSTRIAL ARTS

DEPARTMENTAL COURSES

Fine Arts

1. Art Structure. A background in the main art avenues such as design, painting, figure construction, lettering, modeling, block printing, and murals with experience in the various art media. This aims through actual creative experience to develop appreciations and capabilities for all students, and a foundation for ensuing art courses. In connection with each of these problems, supplementary material affords background in further appreciations through displays of prints, sculpturing, use of library books, and magazines. Fee \$.50. Five credits.

3. Introduction to Art. Exploring drawing, painting, water color and clay. Individual instruction is the basis of the student's development in each media. Two credits.

50. Elementary Drawing. Basic principles of drawing taught through experimenting with various techniques, developing an appreciation of form. In his experimenting with the various media, the student becomes more resourceful and is better able to develop his own individual talent. Prerequisite, Art 1. Fee \$.50. Five credits.

51. Lettering. A practical background in various types of lettering. The use of pen and brush with construction and spacing of modern letter forms. Prerequisite, Art 1. Three credits.

52. Beginning Oil Painting. The development of personal sensitivity to light, form, and color in composition with emphasis on independent growth. Prerequisite, Art 50. Fee \$1.00. Five credits.

53. Art History and Appreciation. Study of the various phases of art as developed in man's environment from the earliest times through the present by lecture, discussion, use of slides, and prints. Special emphasis is placed on contemporary works. Open to all students. Three credits.

54. Modeling and Sculpturing. Development of design in mass, texture, and line through the modeling of abstractions and compositions in clay. Also includes casting, stone cutting, wood carving and experimenting in modern materials. Prerequisite, Art 1. Fee \$2.00. Five credits.

55. Print Making. Through experience a study of print processes: wood cut, linoleum, silk screen, etching and lithography. Prerequisite, Art 1. Fee \$1.50. Three credits.

56. Water Color. Exploring all approaches to water color techniques through composition in sketching, still life, landscape, figure, and abstraction. Prerequisite, Art 1 and 50. Fee \$.50. Five credits.

65. Murals. Aims to give the student an opportunity to work with a variety of media in the many approaches to mural design in the public schools. Prerequisite, Art 1. Fee \$.50. Two credits.

100. Figure Construction and Composition. Construction of the figure from diagram, model, and memory, and action in drawing the figure. The student will also compose figure arrangements using various art media to meet assigned problems. Prerequisite, Art 50. Fee \$1.00. Two credits.

101. Creative Design. This course is planned to develop a feeling for design through creative experience in the various media. Prerequisite, Art 1. Fee \$1.00. Five credits.

104. Art Methods and Materials. The purpose of the course is to give the non-art major a practical understanding of materials, organization of this material for classroom use and a sound basis for a creative art program. Includes visits to public schools. Prerequisite, Art 1 and sophomore standing. Fee \$.50. Two credits.

106. Composition in Oils. Painting in oils with special emphasis upon composition in landscape and figure. Admittance to class upon approval of instructor. Fee \$.50. Two credits.

107. Layout and Design. This course is for students interested in obtaining extensive experience in the techniques and skills used in modern advertising. The designing of packages, label, folders, posters, and other similar problems will constitute the work of the course. Prerequisites, Art 51 and 101. Fee \$1.00. Five credits.

108. Advanced Oil Painting. Continued study in the field outlined in Art 52. Prerequisite, Art 52. Fee \$1.00. Five credits.

109. Advanced Layout and Design. Advanced work according to the outline in course Art 107. Poster design will be stressed as the important part of this course. Prerequisite, Art 107. Fee \$1.00. Five credits.

112. Advanced Figure Construction and Composition. Advanced study in the field described above in Art 100. Also the use of the figure in illustration and mural design. Prerequisite, Art 100. Fee \$.50. Three credits.

113. Advanced Water Color. Continued study as outlined in Art 56. Fee \$.50. Five credits.

115. Sketching. A concentrated course in outdoor sketching of the many phases of local environment. Prerequisite, Art 50. Fee \$.50. Two credits.

116. Advanced Modeling and Sculpturing. Advanced study as outlined in Art 54. Fee \$2.00. Five credits.

117. Advanced Lettering. Advanced work in the techniques and skills in lettering applicable to layout and design. Prerequisite, Art 51. Two credits.

118. Production Techniques in Advertising Art. Actual study of production techniques as applied to advertising, lithography and plate printing. Problems will be designed and executed for plate making. Print shops and plate making industries will be visited and studied. Prerequisite, Art 101, 107, 109. Fee \$1.00. Five credits.

121. Fashion Illustration. A vocational course designed to meet the needs of the student interested in the field of newspaper and magazine illustrations for contemporary fashion designs. Fashion layouts, sketching from models, and the rendering of fabrics and furs will be considered. Prerequisite, Art 1. Fee \$1.00. Five credits.

126. Interior Design. Consideration for the problems of the professional interior decorator in how to: render interiors in elevation, use color, fabrics, floor and wall coverings in domestic and industrial design problems. Special emphasis placed on contemporary interior design. Prerequisite, Art 1. Fee \$1.00. Four credits.

130a. Art Education. A course for the art major dealing with problems and methods in teaching. This is designed as a background for student teaching, as well as future teaching or supervision. Prerequisite, Art 1 and junior standing. Two credits.

140. The School Art Program. Consideration for the entire elementary school program and how art relates to these areas. Actual planning of the art program from nursery school through junior high, standards for evaluation of a sound art program, how to organize materials for classroom, the school, the home, and the community. Five credits.

141. Art and Modern Living. A study of modern living with its art implications: architecture, housing and community life, furnishings of the home, painting, sculpturing, commercial products and other practical aspects of daily living. Two credits.

200. Administration of the School Art Program. Consideration for the problems of the art counselor in how to: order supplies, assist teachers, plan workshop meetings, guidance and conferences with teachers. Three credits.

201. Seminar in Art Education. Observation and participation in an art program from nursery school through junior high school as a means of progressive understanding of children's art work with a practical application for supervisory needs. Conferences on art problems. Five credits.

Industrial Arts

70a. Creative Crafts—Wood and Leather. A craft course to develop skill and appreciation through designing and making articles in wood and leather. Figure carving and chip carving in wood, and tooling and modeling leather. Fee \$1.00. Two credits.

706. Creative Crafts—Metal and Plastics. A craft course to develop skill and appreciation through designing and making articles in metal and plastics. Art metalwork in copper, pewter, etc., and the application of thermoplastic. Fee \$1.50. Three credits.

71. Woodworking. A course in beginning woodwork. Fundamental tool operations, simple construction principles, design, and finishing. The course material has been arranged to meet the needs of

junior high school and intermediate teachers as well as industrial arts majors. Fee \$2.50. Five credits.

73. Photography. The entire field of photography is covered in this course, but special emphasis is placed upon appreciation of the subject as one of the fine arts. Sufficient skill should be acquired to do amateur finishing, enlarging, copying, slide making, and amateur movie work. Fee \$1.50. Three credits.

74. Pottery. Covers the procedures used in schools, including the coil and slab methods of handling clay. Also, all commercial methods such as throwing, casting, pressing, and jigger work will be taught. Good design will be stressed and the whole field of decoration, including the use of colored slips, underglazes and overglazes will be offered. Each student in the class will have an opportunity to pack and fire the kiln as part of the regular class work. Fee \$5.00. Five credits.

79. Mechanical Drawing. The fundamental principles of orthographic projection, isometric drawing, and applied geometry are emphasized. The care and use of drawing instruments, freehand lettering, making of tracings and their reproduction. Fee \$.50. Three credits.

83. General Metals I. A diversified shop course in metalwork consisting of forging, foundry in soft metals, bench metalwork, machine shop, arc and oxy-acetylene welding, and heat treating. Fee \$2.50. Five credits.

85a. Elementary Electricity. Study of the general principles of currents, circuits, resistance, and inductance. Shop practice will include the construction of simple electrical devices such as electromagnets, motors, transformers, and heating appliances. Fee \$1.00. Two credits.

85b. Sheet Metalwork. Fundamental machine and hand tool operations in the construction of sheet metal projects. Designing and developmental drawing involving parallel and radial lines. Fee \$1.50. Three credits.

100. Arts and Crafts (Remedial). A general crafts course designed for teachers in remedial education. Handicrafts in those media most usable in remedial classes—clay, wood, leather, plastics, and metal. Fee \$2.50. Five credits.

103. Advanced Photography. This course is designed to give opportunity to continue in the development of techniques of photography. There will be experimental work in the chemistry of photography with special emphasis upon the production of pictorial work. Topics to be dealt with are: special developers, retouching, spotting, paper negatives, and projection control. Prerequisite, Art 73. Fee \$1.50. Three credits.

105a. Advanced Creative Crafts—Wood and Leather. This course continues the work offered in Ind. Arts 70a. Individual problems assigned. Prerequisite, Ind. Arts 70a. Fee \$1.00. Two credits.

105b. Advanced Creative Crafts—Metal and Plastics. This course continues the work offered in Ind. Arts 70b. Individual problems assigned. Prerequisite, Ind. Arts 70b. Fee \$1.50. Three credits.

110. General Metals II. This is an advanced course continuing the work offered in Ind. Arts 83. Individual problems of design and construction are assigned. Prerequisite Ind. Arts 83. Fee \$2.50. Five credits.

111. Engineering Drawing. An advanced course involving working drawings, sections, auxiliary projection, revolutions, and advanced problems in isometric drawing. Prerequisite Ind. Arts 79. Fee \$.50. Three credits.

113. Advanced Furniture Construction. This course continues the work offered in Ind. Arts 71. Lecture and shop work in the design and construction of contemporary furniture. Individual problems. Fee \$2.50. Five credits.

114. Advanced Pottery. A continuation of 74, with emphasis put upon a higher degree of perfection. Each student will have opportunity to do special work and plan his own pottery if interested in teaching the subject or operating a pottery studio. Fee \$5.00. Five credits.

130b. Industrial Arts Education. Problems and methods of teaching Industrial Arts. Junior Standing. Two credits.

131. General Shop Planning and Organization. The study and planning of shop layouts for the modern junior high school, choice of equipment and machines, course content, and management of classes. Junior standing. Fee \$.50. Two credits.

132. Seminar in Photography. Open to students who have had other advanced work in photography and desire to reach a higher degree of skill in a special field. Credit and schedule time to be arranged. Fee \$.50 per credit hour.

133. Seminar in Pottery. A course to give advanced students a chance to do some original work on glazes, clays, and special skills. Open to people who have done advanced work in the field. Credit and schedule time to be arranged. Fee \$.50 per credit hour.

HEALTH, PHYSICAL EDUCATION AND RECREATION

DEPARTMENTAL COURSES

HEALTH EDUCATION:

1. Health Essentials. Instruction in the principles and habits of living that will conserve and promote health for the individual and the community. Problems of personal and community health are studied and discussed from the viewpoint of the individual. Three credits.

52. History of Nursing. An introduction to nursing including the history and traditions; a survey of modern trends; and professional standards. Three credits.

101. Kinesiology. A study of the physiology of muscular movement, structure, position, and action of large muscle groups. The fundamental techniques of sports are analyzed kinesiologyally, and attention is paid to the relation of muscular development to posture and performance of physical movements. Prerequisites, Science 80. Three credits.

103. School Health. School health problems are discussed with emphasis upon the teacher's responsibility for maintenance of good health; prevention of disease, and control of a healthful school environment. Two credits.

106. Physiology of Exercise. Study of functional physiology and the effects of exercise upon the circulatory, respiratory, digestive and nervous systems. Prerequisite, Science 80. Three credits.

107. Home Care for the Sick. Theory and practice of caring for sick patients in the home. Emphasis given to child care. Prerequisite, junior standing. Two credits.

109. First Aid. The Standard Red Cross First Aid Course for which certificates may be granted. Two credits.

116. Program Planning in Health and Physical Education. The study of the complete health and physical education program for elementary, intermediate, and junior high school. Attention is paid to child development as the basis for the selection of activities and suitable programs are worked out for the atypical child. Prerequisites, Science 80, junior standing. Five credits.

119. Theory and Practice of Health. Current trends in health education in the public schools, with special emphasis upon methods and materials for teaching. Prerequisites, Health Education 1, Health Education 103. Three credits.

130. School and Community Health. A study of community and school health problems with emphasis upon an integrated health program for both school and community. Three credits.

135. Seminar in Health and Physical Education. A seminar dealing with problems in the field of health and physical education with emphasis on programs in supervision. Five credits.

13. Officiating in Women's Sports. A course designed for acquainting major students in physical education with the techniques of officiating in the various women's sports. Practice will be given in the various sports. Two credits.

51. Theory and Practice in Rhythms. An introduction to the fundamentals of rhythms, with two days of dance activity instruction each week, and two days of methods and materials. Emphasis is upon the elementary level. Three credits.

56. Introduction to Physical Education. This course gives the background of physical education and its present-day relationships. The philosophies of education are interpreted in the light of their meaning for physical education. Three credits.

57. The Athletic Program. The history and objectives of the athletic program are studied. The relation of athletics to education is covered along with other subjects including the athletic staff, finances, purchase and care of equipment, interschool relationships, athletic management, and medical control. Three credits.

58. Camp Leadership. Study of modern trends of the camping movement and its relationship to the field of education. Qualifications, duties and relationships of the counselor to the camp, with special emphasis upon opportunities available in Northwest camps. Some units devoted to application of practical camping techniques. Fee \$2.50. Three credits.

59. Introduction to Community Recreation. This course deals with the development of a recreational philosophy, and considers the historical background of recreation in this country. Three credits.

60. Football Coaching (Theory and Practice). This course includes the history of football and thorough instruction in the fundamentals. Special work will be given in organization of practice, schedule, training, and the cultivation of morale. Two credits.

61. Basketball Coaching (Theory and Practice). A careful study of the development of basketball will be made. Considerable time will be devoted to the fundamentals. Two credits.

62. Track and Field Activities (Theory and Practice). Each event will be taken up and thoroughly discussed in regard to different methods used. A course in track training will be included. Two credits.

63. Baseball Coaching (Theory and Practice). A thorough study of the fundamentals of baseball and techniques and methods by which the game may be developed. Two credits.

64. Athletic Training. A course dealing with prevention, treatment and care of athletic injuries. Two credits.

***100m and 100w. Physical Education Activities for the Elementary and Junior High School.** Theory and practice in the selection, organization, and presentation of physical education activities suitable for the elementary and junior high school program. Prerequisites, Basic Skills, Basic Rhythms or Folk Dance, and Sports. Three credits.

103. Tests and Measurements in Physical Education. Instruction in the use of the statistical approach in measurement and its application to physical education. A study of the history of testing in physical education and analysis of tests available in this field. Three credits.

105. Dance Survey. A study of the relationship of dance to other arts, a brief history of dance showing the changes that have taken place in dance development, theories of contemporary dancers, and dance educators. Prerequisites, Dance I and Dance II, Composition. Two credits.

110. Organization and Administration of Physical Education. Considers the complete public school physical education program. Topics covered are: Aims and objectives, plant and facilities, the activity program, equipment, testing, medical control, class procedures, management of games and contests, finances, publicity, legal aspects, health coordination. Prerequisites, Physical Education 56, junior standing. Three credits.

117. Theory and Practice in Sports. Theory and practice in physical education for the intermediate grades and junior high school. Review of sport techniques and their adaptation to different grade levels. Teaching methods evaluated; some time spent in practice. Prerequisites, Basic Skills, Dance I, and one individual and two team sports. Three credits.

118. Theory and Practice in Dance. Construction of a program in basic and creative rhythms for the elementary and junior high school. Study and practice of teaching methods and progressions in rhythmic activities. Prerequisites, Dance I, and Folk Dance or Basic Rhythms. Three credits.

121. Theory and Practice in Physical Education. Theory and practice in physical education activities for the intermediate grades and junior high school with emphasis placed on teaching methods in calisthenics, soccer, speedball, touch football, flag ball, and individual contests. Fee \$1.00. Three credits.

122. Theory and Practice in Physical Education. Theory and practice in physical education activities for the intermediate grades and junior high school with emphasis placed on teaching methods in rhythms, basketball, volleyball, boxing, wrestling, elementary tumbling. Fee \$1.00. Three credits.

123. Theory and Practice in Physical Education. Theory and practice in physical education activities for the intermediate grades

* 100m is for men students, women take 100w.

and junior high school with emphasis placed on teaching methods in stunts and self-testing activities, handball, relays, badminton, tennis, softball, and golf. Fee \$1.00. Three credits.

124. Organization and Administration of Community Recreation.

In this course the following studies are undertaken: Types of organizations for the conduct of recreational programs, legal aspects of programs, finance problems, cooperation with community agencies, problems of area and facilities, publicity, and records and reports. Five credits.

125. Activities and Program Planning in Community Recreation.

A study of the various types of recreation programs, and an evaluation of and experience in recreational activities. Students will have an opportunity to set up daily, weekly, seasonal, and yearly programs. Five credits.

126. Public Relations in Community Recreation. A study of the various measures and means used to create public good will. Two credits.

**PHYSICAL EDUCATION ACTIVITY COURSES
FOR WOMEN STUDENTS**

The following physical education activity courses are offered each year for women students. Each class meets daily for one hour throughout the quarter and one credit is given toward graduation.

Women students are required to take one dance class, one individual activity, a team sport, and a course in basic skills for four of the six required physical education courses. The remaining credits may be earned in any of the current offerings.

All students wear the regulation uniform which consists of navy blue shorts with either white or navy blouses. The dance costume is a leotard.

Adapted Activities. Activities in this class are prescribed according to individual needs. (Students must obtain permission from the health and physical education division before enrolling in this class.) Autumn and winter.

American Dances. Includes square dances, mixers and couple dances and some social dancing. Autumn, winter, spring, and summer.

Archery. Autumn, spring, and summer. Fee \$1.50.

① **Badminton.** Autumn, winter, spring and summer. Fee \$1.00.

Basic Rhythms. Basic steps and forms of folk, modern, social, and square dances. Autumn, spring, and summer.

Basic Skills of Physical Education. This course is designed to give the student instruction and practice in the fundamentals of all physical education activities. Autumn, winter, spring, and summer.

Note: For courses offered in Science, for which credit is given in Health and Physical Education, consult the section on Science, pages 108-114.

① Shuttlecocks are supplied by the student.

Conditioning Exercises. Informal conditioning exercises for promotion of general body development and to improve muscular coordination, posture, and motor skills. Autumn.

Dance I. Introduction to Dance as an Art Form. Discussions of the history and philosophy of dance; practice in body movement and control. Autumn, winter, spring, and summer.

Dance II. Composition. More advanced technique of modern dance study, principles of composition as related to dance; opportunity to create original dances. Prerequisite, Dance I. Winter and spring.

Folk Dance. Old and new dances from many foreign countries. Winter.

① **Golf.** Spring and summer. Fee \$.50.

Recreational Sports (Indoor). Instruction in table tennis, tennis-quoit, shuffleboard, mass badminton, peteca, volleyball, indoor horse-shoes, darts, and other indoor activities. Winter.

Social Dancing. Autumn and winter.

Sports. Seasonal team sports (basketball, field ball, field hockey, soccer, softball, speedball and volleyball). Autumn, winter, and spring.

Stunts and Tumbling. Winter.

Swimming. Instruction for beginners, intermediate, and advanced swimmers. Opportunities for life-saving instruction. Summer.

Tennis. Autumn, spring, and summer.

PHYSICAL EDUCATION ACTIVITY COURSES FOR MEN STUDENTS

The following physical education courses are offered each year for men students. Each class meets daily for one hour throughout the quarter and one credit is given toward graduation.

Men students may elect courses from the current offerings, but the six required credits must include American Dance, individual sport, and one team sport.

Men wear the regulation uniform consisting of tan trunks and white T shirts.

American Dances. Includes square dances, couple dances, such as schottische and polka, and some social dancing. Autumn, winter, spring, and summer.

Archery. Autumn and spring. Fee \$1.50.

② **Badminton.** Autumn, winter, spring, and summer. Fee \$1.00.

Baseball. Spring.

Basketball. Winter.

① Clubs are furnished, but students furnish golf balls.

② Shuttlecocks must be supplied by the student.

- ① **Bowling.** Winter. Fee \$7.50.
Boxing. Autumn and winter.
Fieldsports. (Soccer, speedball, and touch football.) Autumn.
Football. Autumn.
- ② **Golf.** Spring and summer. Fee \$.50.
Individual Exercise. Autumn, winter, and spring.
Social Dancing. Autumn and winter.
Softball. Spring and summer.
Stunts and Tumbling. Winter.
Tennis. Autumn, winter, and summer.
Track. Spring.
Volleyball. Autumn and winter.

HOME ECONOMICS

DEPARTMENTAL COURSES

2. **General Nutrition.** Fundamental principles of human nutrition as applied to the feeding of individuals and groups under conditions of health. Fee \$.50. Three credits.

21. **Nutrition (for Home Economic Majors).** Fundamental principles of human nutrition. Relation of food to health. Nutrition teaching in elementary grades. Fee \$2.50. Five credits.

50. **Food preparation.** Selection and preparation of food for family meals. Sources, manufacture, methods of preservation, marketing practices, economical buying and proper care and storage of foods. Approved methods of cookery. Prerequisite, H. Ec. 2. Fee \$2.50. Five credits.

60. **Fundamentals in Textiles.** Identification, uses, and costs of major textile fibers and fabrics. Prerequisite, Art I. Fee \$1.00. Two credits.

63. **Weaving.** Study of development and trends in American Handweaving as a medium of artistic expression. Problems of color, design, texture. Techniques of weaving. Interpretation of drafts. Prerequisite, Art I. Fee \$1.00. Two credits.

65. **Home Furnishing.** Selection and arranging furniture and furnishings for effective use of color, line and design in interiors. Economic, social, and aesthetic aspects of home furnishing. Prerequisite, Art I. Two credits.

70. **Clothing Selection and Construction.** Color, line and texture appropriate to personality, occasion, and expenditure. Wardrobe planning and budgeting. Construction of garments of cotton or rayon, and wool. Selection, construction and care of children's clothing. Prerequisites, Art I, Home Economics 60. Fee \$2.50. Five credits.

① Shoes must be provided by the student.

② Clubs are furnished, but students provide own golf balls.

90. Nutrition for Nurses. Nutrition and diet in health and disease. Fee \$2.50. Five credits.

105. Household Management. Designed to develop a philosophy of homemaking with an understanding of the principles of management of time, energy, money, and other resources as related to family goals. Housing is studied from standpoint of family needs. Prerequisite, Home Economics 50. Three credits.

106. Consumer Problems. The significance of choice making is emphasized. Analysis of values in choosing and using goods and services. Principles of buymanship and sources of information and aid for consumers. Two credits.

110. Family Relations. Basic principles and desirable attitudes essential for satisfying family life. Economic and social problems confronting the modern family. Factors that foster abiding values. Responsibilities of the family in community life. Three credits.

115. Child Care in the Home. Problems of maternity and infancy. Methods of improving physical, mental and emotional health of children. Prerequisites, Home Economics 2 or 21. Three credits.

120. Advanced Nutrition. Indices of nutrition. Food for pregnant and nursing mothers. Principles of infant feeding. Growth and development in childhood and adolescence. Development of food habits. Prerequisite, Home Economics 21. Three credits.

121. School Lunch. A laboratory course. Study of school lunch and its educational possibilities and implications. Prerequisites, Home Economics 21 and 120. Fee \$1.00. Two credits.

151. Meal Planning and Service. Laboratory course in planning, preparing and serving meals. Emphasis on food budgets, marketing and cost evaluations. Selection, use, and care of table appointments. Prerequisites, Home Economics 2 or 21, and 50. Fee \$2.50. Five credits.

161. Textiles. Identification, uses, cost, and care of textile fabrics. Influence of fiber, finish and construction on quality and cost of fabrics. Project in weaving. Prerequisite, Art 1. Fee \$2.50. Five credits.

165. Home Planning and Furnishing. Study of home planning, and choice and arrangement of furniture and furnishings. Prerequisites, Art 1, Home Economics 60 or 161. Fee \$1.50. Five credits.

171. Advanced Clothing Construction. Includes pattern adapting, advanced construction techniques, simple tailoring. Fee \$1.50. Three credits. Prerequisites, Art 1 and Home Economics 70.

LANGUAGES AND LITERATURE**DEPARTMENTAL COURSES****Composition and Literature**

1. English Composition. Extensive practice in writing, with considerable emphasis upon the fundamentals of grammar. Required of all freshmen except those excused upon the basis of the English Placement Test. Five credits.

2. English Composition. Further work in exposition, with the primary emphasis upon organization and clarity of expression. The training in exposition includes the preparation of documented papers. Prerequisite, English 1 or exemption from English 1. Three credits.

20. Literary Backgrounds. In this course literature is approached as a record of ideas. Selections are taken from many countries and periods. Prerequisite, sophomore standing. Five credits.

50. Language and Reading. Study of the meaning of language and its significance in human affairs, and training in reading by means of analysis of good prose and bad. Includes some study of the methods of propaganda. Three credits.

51. Approach to Poetry. A study of the problems of reading poetry with understanding; critical analysis and intensive reading of poems chosen from English and American writers. Not a chronological or period study. Three credits.

52. Advanced Composition. Advanced work in writing. Expository writing is emphasized. Some attention is given to other forms and to the individual student's needs and interests. Three credits.

55. Approach to Literature. A general study of literary forms, their aesthetics, meanings, methods, and scope; reading, analysis, and discussion of examples of the various types. Prerequisite, English 20. Three credits.

60. Journalism. Training in the writing of news stories, editorials, feature and human interest stories, the column, and headlines. Study of the responsibilities and obligations of the newspaper editor, with some attention given to the history of journalism. Two credits.

61. Practical Journalism. Credit in this course will be given for work on the college newspaper, to be evaluated and recommended to the registrar by the faculty adviser. Maximum of three credits, to be earned at the rate of one credit per quarter.

65. Newswriting. A study of news values, the techniques of reportorial writing, and the methods of collecting news. Two credits.

67. Editing. A study of the techniques of and practice in editing copy, writing headlines, planning page layouts, and proofreading. Two credits.

70. Introduction to Modern Literature. Reading and interpretation of selections of modern literature, including fiction, non-fiction,

poetry, and drama. Special emphasis on twentieth-century and American writers. The purpose of this course is to increase the student's appreciation of the literature of his own time. Prerequisite, English 20. Three credits.

100. English Literature. An historical and critical survey of English literature from beginning to the Restoration period. Five credits.

101. English Literature. An historical and critical survey of English literature, exclusive of the novel, of the eighteenth and nineteenth centuries. Five credits.

102. American Literature. An historical and critical survey of American literature, exclusive of the novel, with primary emphasis upon the major writers of the nineteenth century. Five credits.

104. Shakespeare. Reading of eighteen plays; detailed interpretation of several. Five credits.

105. World Literature. A survey of Oriental and European literature. Examination is made of selections from the writings of the Hebrews, Greeks, and Romans, and of selections from the literature of the Middle Ages, the Renaissance, and modern times. Five credits.

106. The Novel. Study of outstanding English and Continental novels. Five or six novels will be studied in class; others will be read as individual work. Three credits.

107. Literature of American Democracy. The reading of those essays, short stories, novels, and poems which have given clearest expression to the ideals of democracy and the distinguishing qualities of the American character. Three credits.

110. American Fiction. Consideration of the most important American novels, with detailed interpretation of such masterpieces as *The Scarlet Letter*, *The Adventures of Huckleberry Finn*, *The Red Badge of Courage* and others. Three credits.

111. American Poetry. Study of the work of American poets from Whitman and Dickinson to the present. Two credits.

119. Children's Literature. A study of the types of literature best suited to children of grades 1-6. Includes reading and evaluation of material from early folklore to present-day books for children. Prerequisite, junior standing. Two credits.

120. Story Telling, Poetry Reading, and Dramatization. A course designed to guide prospective teachers in the choice of stories and poetry for children of grades 1-6; and to teach the theory and practice of the reading of poetry and stories, and the technique of dramatization. Prerequisite, junior or senior standing. Two credits.

129. Junior High School Literature. A course designed to assist students in the selection and presentation of literature suitable for the junior high school. Two credits.

132. Modern British Poetry. Study of the work of British poets from Thomas Hardy to the present. Two credits.

154. The Short Story. Extensive reading and analysis of short stories, including both older and modern writers. Three credits.

170. Literary Criticism. Includes both a study of various theories of criticism and the application of a set of principles to selections of literature. Three credits.

Speech and Drama

1. Fundamentals of Speech. This course has the following general objectives: To develop in the student the ability to project his ideas to an audience in a forceful, conversational manner; to train the student to present ideas through carefully selected material and in an orderly manner; to help the student develop a good vocabulary, oral sentence sense, and the ability to control his bodily activity in a speaking situation so that his appearance is pleasing, relaxed, and natural. Two credits.

2. Corrective Practice. Remedial work for college students who need such help with their individual speech problems. Two credits.

50. Voice and Articulation. Development and use of the speaking voice with attention to social and professional needs of the students; techniques of good speech such as correct phrasing, intonation, and stress patterns; a clear, pleasing, and well-modulated voice; distinct and acceptable pronunciation. Consideration given to the elimination of such difficulties as nasality, extremes of pitch and rate, indistinctness, monotony, and mispronunciations. Two credits.

54. Oral Reading. The oral interpretation of literature. Prerequisite, for majors and minors, Speech 53. Three credits.

55. Dramatic Production. Stage scenery design and construction, stage lighting, makeup and elementary directing. Students will assist with college productions. Five credits.

57. Public Discussion. Considers the distinguishing features and characteristics as well as the principles of effective presentation and argument as applied to the various forms of public discussion: round table, panel, symposium. Prerequisite, Speech 1. Three credits.

70. Advanced Public Speaking. Provides further study and application of the principles of effective public speaking introduced in Speech 1. Emphasis upon longer speeches for a greater variety of situations. Study of parliamentary procedure and critical analysis of some masterpieces from the world's public speaking literature. Prerequisite, Speech 1. Three credits.

105. Modern Drama. Reading and discussion of plays written since 1890. Five credits.

106. History of Drama. Study of the history of drama with consideration of its influence on modern plays. Five credits.

119. Introduction to Speech Correction. The first course in speech correction, dealing with common speech defects and remedial measures for problems in lisping, indistinct pronunciation, foreign accent, delayed speech, stuttering, and inappropriate use of the voice. The

purpose of this course is to help teachers to deal adequately with the speech defects found in the classroom. Five credits.

120. Teaching Speech in the Elementary and Junior High School. Methods of stimulating speech growth among children. Three credits.

121. Advanced Dramatic Production. Consists of a detailed study of the techniques of the theater with special attention to plays of various periods and the acting and directing techniques applicable to each. Practical directing experience will be included in the course. Prerequisite, Speech 55. Three credits.

122. Speech Pathology. This is the advanced course in speech correction. It deals with the speech involvements of pathologies of the larynx, mouth, ears, and brain. Disorders such as pathological voice defects, cleft palate, hard of hearing and deafness, aphasia, and spastic speech are given particular attention. Prerequisite, Speech 119. Three credits.

124. Speech Correction Clinic. Definite consideration is given to the mechanics of speech and hearing. Included are demonstrations in testing, diagnosing, and treating children with speech and hearing defects. Actual experience with speech cases is provided. This course should be taken only by the Remedial Education majors. Five credits.

125. English Phonetics. The study of American-English speech sounds. Practice in reading phonetic texts for individual improvement in pronunciation. Ear training through dictation and transcription of the student's own speech and that of others from phonograph records. Two credits.

130. Problems in Speech and Drama. Problems of research and practice assigned to advanced students. Prerequisite, consent of Instructor. Two credits.

131. Clinical Practice. Actual work with speech cases in the clinic. Prerequisite or co-requisite, Speech 119. The course may be taken one, two or three quarters. A total of six credits may be earned, two credits per quarter. Two to six credits.

French Language and Literature

50, 51, 52, First Year French. Training in the fundamentals of the language, with work in reading, speaking, and composition, but with primary emphasis upon effective, ready reading in French. All three quarters of this first year course must be taken if credit is to be received. Five credits each quarter.

53, 54, 55. Advanced French. For students who have had one year or more of French. Continued study of the fundamentals of the language; emphasis upon rapid and effective reading in French. Three credits each quarter.

100, 101, 102. Survey of French Literature. Reading of the great French writers in prose, poetry, and drama with lectures and discussion. Prerequisite, 53, 54, 55, or equivalent. Three credits each quarter.

Spanish

50, 51, 52. First Year Spanish. Training in the fundamentals of the language, with work in reading, speaking, and composition. All three quarters of this first year course must be taken if credit is to be received. Five credits each quarter.

53, 54, 55. Advanced Spanish. For students who had had one year or more of Spanish. Continued study of the fundamentals of the language; emphasis upon rapid and effective reading in Spanish. Three credits each quarter.

LIBRARY SCIENCE

50. Use of Books and Libraries. A course designed to give the student acquaintance with library materials and tools useful in his college courses, particularly in the preparation of themes and term papers. Instruction is given in the use of the college library, the classification and arrangement of books, and in the use of the card catalog and indexes. Problems are assigned for the purpose of familiarizing the students with reference manuals, yearbooks, and periodicals. Open to all students. Three credits.

101. Book Selection. A study of the principles of book selection in the elementary and junior high school library with emphasis on measured demand, anticipated use, and available resources. Criteria for the choice of individual books in factual, reference and informational fields are given. The student uses standard aids, writes reviews and annotations and selects periodicals. For graduate credit, application is made of these principles to the reading interests, habits and abilities of boys and girls. The evaluation of books and other related materials such as pictures, clippings, and pamphlets is also studied. Undergraduate, two credits. Graduate, three credits.

102. Classification and Cataloging. The theory and principles of simplified classification and cataloging necessary for organization and maintenance of elementary and junior high school libraries; the use of printed cards, the form of typed cards, public and official records; filing; subject headings. For undergraduates, three credits.

For graduate students: Five additional hours of laboratory per week, including: advanced classification and cataloging of books, typing of cards, the use of bibliographical tools and authorities; factors determining choice and form of subject headings and their definitions. Prerequisites, Library Science 50 and 101. Ability to type recommended. Five credits.

103. School Library Administration. Designed to teach the objectives, organization, and administration of modern elementary and junior high school libraries, this course includes the discussion of library standards, equipment, budgets, routines, and instruction in the care and repair of books and pamphlets. For graduate credit, students will be brought into touch with actual library conditions through practice work in the College Elementary school library.

Special attention will be given to the place of the school library in the school and in the community and its relation to other social agencies concerned with the welfare of children and young people. Three credits.

120. Historical Survey of Books and Libraries. To include:

a. History of Books and Printing. Historical survey emphasizing the evolution and the art of the book, printers and printing, analysis of contemporary book designs and bookmaking.

b. History and Organization of Libraries. Historical survey of modern library developments. Two credits.

150. Library Service. Students are given an opportunity to gain practical knowledge of library service by participating in the work of the College Library and the Library of the College Elementary School under the supervision of the librarian. Special problems are assigned and individual and group conferences are held with the librarian. Prerequisites, Library 50, 51, 52, 101. Three credits.

154. Library Seminar. Students who are interested in further study not represented in the formal courses, may be assigned research problems and practical work when justified by background of experience and special ability, upon consultation with the head of the department. Credit and hours to be arranged.

200. Reference and Bibliography. Intensive study and critical examination of basic reference books most frequently used to answer reference questions in school and public libraries; some attention to reference methods, organization, devices and bibliographic form. Open to all graduate students. Two credits.

MUSIC

DEPARTMENTAL COURSES

1. Fundamentals of Music. For music majors and minors. Preparation for harmony. Fundamental: notation, scales, syllables, ear-training, sight-singing, dictation, intervals, and triads. Five credits.

2. Fundamentals of Music. For non-majors and non-minors in the elementary and intermediate teaching fields who might be expected to teach music in their rooms. Instruction in fundamentals of music, ear-training and sight-singing; voice problems, part-singing, experience with musical score, with projects in creation and performance. Five credits.

3. Introduction to Music. A music appreciation course for non-music majors and minors in the Junior High curriculum. The course is a chronological study of the works of classical composers from Bach (1685-1750) to the present. Fundamental musical concepts, such as rhythm, melody, form, and harmony, are presented as a basis for the study of recordings of work of outstanding composers. Five credits. Fee \$1.00.

20. Ear Training and Sight-Singing. Continuation of sight-singing study. Development of tone feeling through both harmonic and

melodic dictation. Recognition and analysis of modulation both by ear and sight. Prerequisite, Music 1. Three credits.

50. Elementary Harmony. A course designed to familiarize the student with the construction and manipulation of simple chord progressions using primary and secondary chords and their inversions in major and minor. Prerequisite, Music 1. Three credits.

52. Song Literature for the Elementary Grades. Designed to familiarize the student with the best songs for children and to develop skill in interpretation. Open to all students. Three credits.

54, 55, 56. Vocal and Instrumental Class Instruction. Beginning class instruction in voice, instruments of the orchestra, or piano. Class teaching pedagogy. The letter following the number will indicate the type of work in which credit will be allowed. Fee \$3.00 each course. One credit.

A. Piano

B. Voice

C. Strings

D. Woodwind

E. Brass

64. Intermediate Harmony. Continuation of the study of harmony. Seventh chords in both major and minor keys are presented. Prerequisite, Music 50. Three credits.

66, 67, 68. A Cappella Choir. Open to all students interested in singing. Selected voices chosen from entire chorus membership by audition for concert choir. One credit.

69, 70, 71. Orchestra. Open to students who are proficient in the use of some instrument of the modern orchestra. One credit.

72, 73, 74. Band. The band serves a dual purpose; for athletic events and for symphonic concerts. Membership is open to all students. One credit.

***76, 77, 78. Applied Music.** Private instruction in the various branches of music. The letter following the number will indicate the type of work for which credit is given. One and one-half credits.

A. Piano

B. Voice

C. Strings

D. Woodwind instruments

E. Brass instruments

F. Organ

***100, 101, 102. Applied Music.** (Second year.) Prerequisites, 76, 77, 78. One and one-half credits.

103a. Music Education for the Elementary Grades. A study of suitable materials and methods of procedure for the first six grades. Prerequisites, Music 50, and suitable skill in piano and voice. Three credits.

* Private lessons are \$15 per quarter for ten lessons and \$30 per quarter for twenty lessons, except for pipe organ, which are \$25 for ten lessons per quarter or \$50 for twenty lessons per quarter.

103b. Music Education for the Junior High School. A study of suitable music materials and methods of procedure for the junior high school. Prerequisites, Music 103a, and suitable skill in piano and voice. Three credits.

104. Form Analysis. The student is introduced to the various musical forms through analysis of representative material. Prerequisites, Music 64 and 50. Three credits.

107. Choral and Instrumental Conducting. Open to music majors and minors, only. A study of the fundamental principles of baton technique, routine of organization, rehearsal of music groups, program building, and other related problems. Practical experience in conducting both instrumental and choral groups. Prerequisites, Music 50 and 113. Three credits.

108. Advanced Choral and Instrumental Conducting. A continuation of Music 107, with emphasis on conducting of specific usable materials for band, orchestra, and chorus in the junior high school. Prerequisite, Music 107. Three credits.

110. Music Methods and Materials. Required of non-majors and non-minors in the elementary curriculum. A study of the basic principles and techniques of teaching music in the elementary and intermediate grades, instructional planning and evaluating of basic texts and other forms of music curricular materials. Observation in training school. Prerequisite, Music 2. Two credits.

111. Advanced Harmony. Study of altered chords in both major and minor, and modulations to all keys. Original compositions. Prerequisite, Music 64. Three credits.

112. Music History and Appreciation. A survey of the development of music from the period of Greek modes to that of Haydn and Mozart and the perfecting of the sonata form. Composers and Schools of Composition are studied with emphasis on analysis of the music itself. Prerequisite, Music 50. Fee \$1.00. Three credits.

113. Music History and Appreciation. A survey of the development of music from the period of Haydn and Mozart to the present time. Composers and Schools of Composition are studied with emphasis on analysis of the music itself. Prerequisite, Music 50. Fee \$1.00. Three credits.

116. Counterpoint. Counterpoint in various species in two and three parts. Prerequisite, Music 64. Three credits.

117. Counterpoint. Sixteenth Century vocal counterpoint with emphasis on various combinations of species for three voices. Prerequisite, Music 116. Three credits.

118. Modern Counterpoint. Review of the principles of strict counterpoint. Free imitation. The free entrance and treatment of dissonance. Florid writing in two to four parts with or without key relationships on the basis of melodic symmetry. Prerequisite, Music 111. Three credits.

120. Music History and Appreciation. An intensive review of the music of the Classic and Romanic Periods. A study of Contemporary composers and Schools of Composition. Analysis of music through the reading and comparison of scores will be emphasized. Prerequisites, Music 64, 104, 112, and 113. Fee \$1.00. Three credits.

200. Supervision of Public School Music. Educational objectives; the elementary and junior high curriculum; coordination of work of the special subject with the general field of education; the problems of the teacher-supervisor; evaluating and checking results. Prerequisite, B. A. degree with major in Music Education. Three credits.

SCIENCE AND MATHEMATICS

DEPARTMENTAL COURSES

Science

***1. Survey of Physical Sciences.** A course designed to give the student an understanding of his physical environment and an appreciation of the role of science in our present day world. Effort is made to impart an understanding of the scientific method and to give the student an opportunity to use it; to trace changes and growths in scientific concepts; and to analyze some of the implications of science in a modern society. Demonstration experiments and audio-visual aids and materials are freely used. Fee \$.50. Five credits.

***2. Survey of Biological Sciences.** This course has four objectives: (1) a description and interpretation of the machinery of living things and the major concepts in the field of biology; (2) a practical information about plants and animals that is necessary for a person in the modern world; (3) an introduction to the various divisions of zoology and botany; (4) a cultivation of scientific thinking and attitudes. Its content deals with a survey of plants and animals to show variety, patterns and relationships, the dynamics of living things with an emphasis on the physiology of man, and organic evolution, heredity and eugenics. It is a lecture course meeting daily with laboratory demonstrations, motion pictures, and stereopticon slides. Five credits. Fee \$.50.

***3. Environmental Science.** This course is designed to develop a familiarity with natural surroundings for Washington, and to lay a foundation in content material for the teaching of nature study. Strongly recommended as an elective to all elementary and intermediate students. Fee \$.50. Three credits.

5. Physics Problems. Training in the working of problems in the physical sciences for majors in the field and for pre-engineers. Prerequisites, high school algebra and geometry. Freshman mathematics to be taken concurrently. Three double periods weekly, problems being solved mainly during class hours. Three credits.

* Science 1, 2, or 3 may be taken in any order.

6. Mechanics Problems. A second problem course for pre-engineers. Prerequisite, Science 5. Freshman mathematics to be taken concurrently. Three double periods per week. Three credits.

10, 11. General Biology. An introductory course in the science of living things designed to present the important facts and principles of plant and animal life, and to show their implications in human welfare. The objectives and contents are in general similar to those of Science 2, but laboratory work in botany and zoology are included. Not open to students having credit in Science 2. Fee \$3.00 per quarter. Five credits each quarter.

20. Elementary Surveying. A course in applied mathematics and physics for pre-engineers and others. Lectures and field work. Prerequisites, Science 5 and Mathematics 51 or 55. Fee \$3.00. Three credits.

27, 28, 29. Elementary Physics. A relatively non-mathematical course designed primarily for students training for medicine, dentistry, etc., and for teaching, but not for majors in the physical sciences or for pre-engineers. The courses may be taken in any sequence. Lectures and laboratory work. Fee \$3.00 each course. Five credits each quarter.

50, 51. Invertebrate Zoology. The first quarter comprises a study of the structure, classification, physiology, and life histories of the lower invertebrate animals, with laboratory work on representative forms of protozoa, porifera, coelenterata, ctenophora, platyhelminthes, and nemathelminthes.

The second course deals with the comparative anatomy, development, physiology, and phylogeny of the higher invertebrate groups: bryozoa, brachiopoda, annelida, arthropoda, and echinodermata (lecture and laboratory). Either course may be taken separately. Fee \$3.00 per quarter. Five credits each quarter.

52. Vertebrate Zoology. A lecture and laboratory course dealing with the structure and phylogeny of vertebrates. Representative forms of prechordates, fish, amphibians, reptiles, birds, and mammals are studied in the laboratory. Fee \$4.00. Five credits.

55, 56. Botany. The morphology, taxonomy, and physiology of the thallophytes, bryophytes, and pteridophytes are studied through representative plants during the first quarter. The second course deals with the life histories, physiology, and structure of the spermatophytes; representative gymnosperms and angiosperms will be covered in the laboratory. Each course is complete in itself and may be taken independently of the other. Fee \$2.00 per quarter. Five credits per quarter.

60. Earth Science. This is an introductory course to a study of the earth sciences. It will include important facts and principles concerning the physical and biological history of the earth. Five credits.

61. Historical Geology. The origin and evolution of the earth from earliest times to the present with particular reference to life forms and to the North American continent. Five credits.

62. Rocks and Minerals. A study of the more common rocks and minerals by hand inspection and simple tests. The student will collect and identify one hundred specimens. Three credits.

63. General Forestry. This is a study of trees, their habits of growth, the characteristic forest areas of North America and a study of leaves and wood structure. It is a foundation course for the study of paleobotany. Five credits.

65. Wood Technology. A study of the common commercial woods of the United States, emphasizing their recognition in hand specimens and microscopic thin-sections. Five credits.

66. American Forests—Present Distribution and Past Migrations. This course comprises a study of the composition of the present-day forests of the continental United States and their variation in time revealed by the fossil record of the Cenozoic era. Prerequisite, recommended five hours of forestry or five hours of geology. Five credits.

67. Taxonomy of Plants. This is an introductory course in the classification of plants. It includes the identification, classification, structure, and distribution of the higher plants and a study of natural flora units. Five credits.

70, 71. General Inorganic Chemistry. Chemistry of the metals and non-metals, including a brief survey of the carbon compounds. The modern concept of atomic structure is emphasized, particularly in its relation to chemical valence and reactivity. Five hours of laboratory (including "Quiz" sections) and three lectures per week. Fee \$4.00 per quarter. Five credits each quarter.

72. Qualitative Analysis. An elementary course in analysis for the common anions and cations. The physico-chemical basis of the analytical procedures is stressed. Two lectures and six hours of laboratory per week. Prerequisites, Science 70 and 71. Fee \$4.00. Five credits.

76. Aviation and Ground School. Instruction is given by the college leading to the private pilot's license. Ground school courses are taught on the campus. Flight instruction is given by fully qualified instructors.

The ground school includes courses in civil air regulations, meteorology, aerial navigation, radio, and general service of aircraft. Students are required to take flying instruction as the applied or laboratory phase of flight instruction. Instruction requires four quarters for completion. Time for flight instruction is arranged to fit into the schedules of the flying services and students. Flying instruction is given on a fee basis. See page 113.

76a. Civil Air Regulations. This course deals with the rules which have been established to promote safety in flying. Part 01 of

Civil Air Regulations including: air worthiness certificates, transferability, certificate rules, logbooks, accidents, periodic inspection, registration, and transfer; part 20, pilot certificates; part 43, general operation rules; part 60, air traffic rules and part 98, definitions. Two credits.

76b. Meteorology. Recognition of weather, icing, fog and frontal conditions; general cloud formations, study of weather maps, teletype sequences, and elementary weather forecasting, pressure areas, including motion of air masses, isobars, and winds aloft; humidity and its relationship to visibility; temperature dewpoint relationship and precipitation; how to use meteorology in private flying in promoting safety. Two credits.

76c. Aerial Navigation. Study of the sectional aeronautical chart, including explanation of how charts are made, with emphasis on the Lambert Conformal Projection; navigation methods, including piloting, dead reckoning, and radio; navigational instruments; types, errors, and practical usage; practical navigation problems; dead reckoning, piloting ETA's, flight plans, wind-triangle solutions using a simple computer, and maximum endurance problems. Two credits.

76d. Radio and General Service of Aircraft. Radio aids to flight; use of simple receiver and transmitter; Morse code; use of loop antenna; distress signals. Care of aircraft, engines, operations limitations; inspections; use of aircraft instruments; use and care of parachutes; use of log books; explanation of aircraft operations record and all major and minor repairs. Two credits.

Aviation Fees. Flight instruction is provided on a special fee basis as follows:

Minimum Course (35 hours)

First Quarter	8 hours dual, 2 hours solo	\$ 96.00
Second Quarter	3 hours dual, 5 hours solo	66.60
Third Quarter	2 hours dual, 5 hours solo	56.40
Fourth Quarter	4 hours dual, 6 hours solo	84.00
		\$303.00

These are minimum requirements for the private pilot's rating. Additional hours at \$10.20 for dual and \$7.20 for solo.

Maximum Course (45 hours)

First Quarter	10 hours dual, 4 hours solo	\$130.80
Second Quarter	3 hours dual, 7 hours solo	81.00
Third Quarter	2 hours dual, 7 hours solo	70.80
Fourth Quarter	4 hours dual, 8 hours solo	98.40
		\$381.00

Note: In the event that the maximum number of hours are not flown in any one quarter, the remaining portion may be given in the following quarter in addition to the maximum flight hours scheduled for the quarter then current.

76e. Flight Instruction. Flying instruction given by the College. This is the laboratory or applied phase of the courses offered above. Students enrolled in the above courses are required to take flight instruction. Time for instruction is arranged to fit into schedules of the flying services and the student. This work is provided on a fee basis. See page 113.

Credit for flight instruction is included as a part of credit granted in ground school.

77, 78, 79. General Physics. A thorough first course dealing with the elements of heat, sound, light, mechanics, electricity, and magnetism. Designed for majors in the physical sciences and for pre-engineers. Mathematics used will include simple calculus. The courses may be taken in any sequence. Prerequisites, Science 5 and freshman mathematics. Calculus sequence to be taken concurrently. Lectures and laboratory work. Fee, \$3.00 each course. Five credits.

80. Physiology and Anatomy. Fundamentals of body functions and structure. The cat is used for basic laboratory work, applications to the human body being carefully worked out. Two lectures and six hours of laboratory per week. Fee \$4.00. Five credits.

90. Human Physiology. A lecture course in general physiology; includes the use of models, slides and films. Body structure and functions are treated in relation to the student's own problems of efficient living. Five credits.

91. Advanced Physiology. This course will deal with such representative topics as the ductless glands, the nervous and circulatory systems and problems of human diseases related to these. An attempt will be made to keep abreast of modern developments in the field. Prerequisite, Science 80 or 90. Fee \$1.00. Five credits.

92. Bacteriology. A lecture and laboratory course in the principles of bacteriological practice, isolation of pure cultures, routine cultivation of bacteria, morphology of type specimens, immunology, and dissemination of disease; includes also, a study of micro-organisms which are related to commercial practice and to water and food supplies. Prerequisites, Science 2 and 50 or equivalent. Fee \$1.00. Five credits.

93. Human Anatomy. This course is designed principally for students in nursing education. Five credits.

96. Fundamentals of Radio. A course presenting, through lecture and experimentation, the elements of the generation, radiation and reception of radio signals. The applications of various types of vacuum tubes in modern living will be stressed. Prerequisites, Science 27, 28, 29 or equivalent, and one year of college mathematics. Fee, \$3.00. Three credits.

101. Organic Evolution. A general lecture course designed to familiarize the student with the laws of development and the ideas of origin and relations of organisms. Prerequisites, Science 2 and advanced standing. Three credits.

103. Ornithology. A study of the biology of the bird, its habits, adaptations, and migrations. Emphasis will be placed on the birds of Washington through field work and on preparation for the teaching of this branch of nature study in the grades. Prerequisite, fifteen hours of biological science. Five credits.

104. Paleobotany. This is a study of the history of plant life on the earth with particular emphasis on the history of the Pacific Coast region. It will include a study of fossil leaves and woods for which this particular region is noted. Prerequisites, Science 60 and 63. Five credits.

107. Paleontology. An historical account of the important plant and animal fossils, their evolution, radiation, dominance, and decline, together with some consideration of the geological horizons which they characterize. Prerequisite, ten hours of biology or geology. Five credits.

110, 111. Quantitative Analysis. Science 110 will include both volumetric and gravimetric procedures, to meet the needs of students not taking further courses in quantitative chemistry. Prerequisite, Science 72. Science 111 will include further volumetric work, electro-deposition, analysis of limestone, Kjeldahl nitrogen and/or other determinations involving special techniques. Prerequisite, Science 110 and permission. Fee, \$3.00 each course. Five credits each quarter.

113, 114, 115. Organic Chemistry. The first two quarters will comprise a systematic study of the carbon compounds, and will meet the needs of students preparing for medicine and related fields, as well as those majoring in chemistry. Laboratory work will introduce important techniques of organic chemistry, and will include a number of preparations. The third quarter will be devoted to qualitative organic analysis, and advanced topics. Prerequisite, Science 72. Science 110 also recommended. Fee, \$3.00 each course. Five credits each quarter.

116. Introduction to Atomic Physics. A study of modern theories and experiments regarding the nature of matter and electromagnetic radiations. Prerequisite, permission. Three credits.

117. Electricity, Magnetism and Radiations. A second course in electricity and magnetism; a study of electromagnetic radiations and their applications. Prerequisites, Science 77, 78, 79 and the calculus. Three hours lecture and four hours laboratory weekly. Fee, \$3.00. Five credits.

118. Optics. A study of geometrical and physical optics covering optical instruments, diffraction, interference, polarization and spectroscopy. Prerequisites, Science 77, 78, 79 and the calculus. Three hours lecture and four hours laboratory weekly. Fee, \$3.00. Five credits.

119. Mechanics and Wave-motions. Advanced mechanics and the elements of wave-motions and their applications. Prerequisites, Sci-

ence 77, 78, 79 and the calculus. Three hours lecture and four hours laboratory weekly. Fee, \$3.00. Five credits.

123. Introduction to Mathematical Physics. A treatment of elasticity, hydrodynamics, potential, wave-motions, etc., using vector analysis and other mathematical techniques. Prerequisite, permission. Five credits.

124. Analytic Mechanics. A course devoted to the study of the mechanics of a particle and of a rigid body, including a treatment of vector fields, central forces, generalized coordinates and Lagrange's equations of motion. Prerequisite, permission. Five credits.

125. Selected Topics in Physics. A course in which the techniques of modern mathematics and laboratory practice are applied to the solution of physical problems. Prerequisite, permission. Fee, \$3.00. Five credits.

126. Modern Physics. Experimental evidence and theory connected with modern concepts of radiation, photoelectricity, spectroscopy, radio-activity, X-rays, and the nucleus of the atom. Prerequisite, Science 116. Three credits.

133a. Science Education in the Elementary School. Development of pupil interest in his environment, appreciation of its importance to him, and the beginnings of an application of scientific method are stressed. Techniques, selection of materials and appropriate subject matter for the various grade levels will be discussed. Students will work up and perform science demonstrations and experiments for use in classroom science teaching. Two credits.

133b. Science Education in the Junior High School. A course designed to familiarize prospective junior high school teachers with information, techniques and materials appropriate for teaching science at the junior high level. Students will work through science demonstrations and experiments and will organize unit materials for use in their subsequent teaching. Prerequisite, junior standing. Three credits.

135, 136, 137. Physical Chemistry. Atomic and molecular structure; the laws of gases, liquids and solutions; chemical thermodynamics and equilibria; electrochemistry. Lectures and laboratory. Prerequisites, Science 110, Science 114 and the calculus (the latter may be taken concurrently); college physics recommended. Fee, \$3.00 each course. Five credits each quarter.

140, 141. Comparative Anatomy of Chordates. Comparative anatomy of the vertebrate organ systems with emphasis on their phylogenetic relationships. Dissection of selected vertebrate types. For students majoring in biology, and for pre-medical, pre-dental and pre-veterinary courses. Prerequisite, a year of general zoology; Science 140 is prerequisite to Science 141. Three lectures and four hours laboratory each week. Fee, \$3.00 each course. Five credits each quarter.

142. General Vertebrate Embryology. Details of the early developmental stages of the vertebrates. Emphasis on human embryology in the lectures and on the amphibian, the chick and the pig in the laboratory. Prerequisite, one year of general zoology. Three lectures and four hours laboratory each week. Fee, \$3.00. Five credits.

143. Genetics. A lecture course dealing with the similarities and differences among related organisms. Heredity and variation in plants and animals. Emphasis on human heredity. Three credits.

145. Parasitology. The biological relationships of parasite and host and the effect of such relationships on each. Prerequisite, one year of general zoology. Two lectures and two hours laboratory each week. Fee, \$2.00. Three credits.

150. Science Seminar and Research. Registration in this course will be by arrangement with the staff member who is to direct the work or problem to be undertaken. Prerequisite, advanced standing and permission. Fee, \$3.00. Two to five credits.

Mathematics

2. Fundamentals of Algebra. Designed for students having a deficiency in High School Algebra, or needing algebra review, as a course preliminary to College Algebra, Mathematics 50. Five credits.

3. Geometry. A course for students having a deficiency in High School Geometry, who contemplate enrolling later in courses more advanced than College Algebra. Five credits.

50. College Algebra. Functions and graphs, quadratic equations, polynomials, logarithms, exponentials, progressions. Prerequisites, two, or preferably three semesters of High School Algebra, or Mathematics 2. Five credits.

51. Trigonometry. Functions of acute angles, solution of right and oblique triangles, functions of any angle, identities, trigonometric equations. Prerequisites, two semesters of high school algebra and either high school geometry or Mathematics 3. Five credits.

52. Analytic Geometry and Calculus. Graphic representation, the straight line, graphs of the circle, ellipse, parabola, hyperbola, a study of rates, differentiation, and integration. Prerequisite, Mathematics 50 and 51. Five credits.

54, 55, 56. Mathematical Analysis. This is a synthetic course which integrates the conventional content of College Algebra, Trigonometry and Analytic Geometry in a study of functions and graphs, rates, maxima and minima, logarithms, exponential functions and the elements of differential and integral calculus. Recommended for pre-engineers and for physical science majors. Prerequisites, two, or preferably three semesters of high school algebra, and either high school geometry or Mathematics 3. Five credits each quarter.

101, 102, 103. Calculus. Elements of differential and integral calculus. Prerequisite, either Mathematics 52 or 56. Five credits each quarter.

105, 106. Differential Equations. A study of the solutions of elementary ordinary and partial differential equations with applications to the fields of engineering and physical science. Prerequisite, Mathematics 103. Five credits each quarter.

110. Theory of Equations. A study of the methods of solution of higher degree equations; systems of simultaneous equations of higher degree in "n" variables will be included. Prerequisite, Mathematics 103. Five credits.

115, 116. Advanced Analysis. Selected topics from the Calculus, including line and surface integrals, Gamma, Beta and Bessel functions, and elliptic integrals. Prerequisite, Mathematics 103, and preferably 105, 106. Math. 115, three credits; Math. 116, two credits.

120. Mathematics for Junior High School Teachers. A course designed to acquaint the student with accepted techniques in the teaching of arithmetic, algebra, and geometry. Emphasis is given to the proper selection of materials and methods of presentation appropriate for the Junior high school level. Prerequisite, junior standing. Three credits.

THE SOCIAL SCIENCES

DEPARTMENTAL COURSES

Commercial Education

3. Business Arithmetic. Takes up a review of the fundamentals of arithmetic and their application to various business problems, such as keeping and reconciling the bank account, invoices and statements, interest, percentage, discounts and commissions, payroll taxes, etc. Although primarily for Commercial Education students, this course gives an excellent review for students who will be teaching arithmetic in the upper grades. No prerequisite. Three credits.

4. Office Machines. This is a course designed to develop proficiency in the use of the calculator, adding machine, bookkeeping machines, dictaphone, and mimeograph and in general office procedure. Fee \$3.00. Three credits.

***51, 52, 53. Elementary Typing.** This is a course designed to teach fundamental principles of the touch system so that the student may acquire sufficient skill to use the typewriter for his own use. Five hours per week. Fee \$2.00 each quarter. One credit each quarter.

****54. Advanced Typing.** An advanced course to develop greater speed and accuracy. Prerequisite, at least one year of typing in high school or acceptable ability. Five hours per week. Fee \$2.00. One credit.

* College credit will be given for these courses, but does not count in a major or minor in Commercial Education.

** Students who have a proficiency in 54 and/or 59, as evidenced by a test, may be excused from these courses and so increase the major or minor elective credits.

55. Typewriting for Personal Use. This is a course for beginners who wish to acquire sufficient skill to type term papers, bibliographies, letter forms, etc. Five hours per week. Fee \$2.00 each quarter. One credit.

***56, 57, 58. Shorthand.** Gregg's Manual is used with supplementary reading and transcribing. Speed dictation is based on text material covered. Five credits each quarter.

****59. Advanced Shorthand.** A thorough review of the manual; further points in principles of shorthand; and advanced phrase writing and shortcuts. Prerequisites, 58 or equivalent. Five credits.

60. Secretarial Practice. This is an advanced course in preparation for secretarial employment. Office techniques and practical adaptation of skills are stressed. Prerequisites, Commercial Education 51 and 56 or equivalent. Three credits.

61. Business Law. A general course in Business Law dealing with law in its relation to business. The course handles the fundamental principles of business law by the case method, showing how each principle applies to a typical business situation. Some of the instruments studied are contracts, offers, acceptance, preferences, interpretation, and discharge of contracts. Three credits.

62. Business Law. Study of the law of negotiable instruments and types of negotiable instruments. Three credits.

63. Business Law. A study of business organization; trusts, stock companies, corporations, partnerships, etc. Time is also devoted to the study of real property and real property mortgages. Three credits.

64. Business Correspondence. Correct instruction on how to write business letters and the handling of business correspondence. Attention is given to structure and content. Likewise, emphasis is placed upon correct Business English as well as proper analysis of different types of letters used. Three credits.

65. Principles of Accounting I. An introduction to the entire field of accounting, taking into consideration accounting systems from the simple to the complex, and how they are constructed from the basic accounting principles. The student is introduced to financial statements, their collection, interpretation, and analysis. Five credits.

100. Income Tax Accounting. Accounting theory and practices of Federal income taxation, based on a study of government publications—the law, regulations, and digests of official income tax decisions. Prerequisite, Commercial Education 65, Principles of Accounting I. Five credits.

* College credit will be given for these courses, but does not count in a major or minor in Commercial Education.

** Students who have a proficiency in 54 and/or 59, as evidenced by a test, may be excused from these courses and so increase the major or minor elective credits.

105. Principles of Accounting II. A continuation of Commercial Education 65, with special emphasis on partnership and corporation accounting, accounting for payroll, social securities and income tax. It introduces the student to the construction of operative reports and the operation of balance sheets. Prerequisite, 65. Five credits.

106. Business Statistics. This course is designed to handle the methods of collection, sampling, and handling of data in distributions, averages, and index numbers. The problems for statistical analysis are chosen directly from business and social science. Five credits.

107. Advanced Accounting. This course deals with the theory of accounting with emphasis upon corporation accounting and the analysis of the various accounts of the balance sheets and profit and loss statements. The course covers actuarial science, notes and acceptances receivable, inventories, consignments, installments, sales, tangible fixed assets, intangible fixed assets, investments, liabilities, funds and reserves, correction of statements and books, comparative statements, analysis of working capital, and statement of application of funds. Prerequisites, 65, 105. Five credits.

109. Civil Service Training. Typing, shorthand, correspondence filing, grammar, spelling, and arithmetic are studied with a view toward future civil service employment. Two credits.

Economics

68. Economics of Production. An introductory course which combines a thorough grasp of economic principles with a realistic treatment of the organization and processes of the modern business world. The course is designed especially for students whose primary interest is in applied economics, emphasizing the problems of production. Five credits.

69. Economics of Distribution. Follows up Economics of production (Economics 68), emphasizing primarily the problems of distribution. Prerequisite, 68, or 70. Five credits.

***70. Principles of Economics.** This course deals with the presentation of institutional economics and how the principles were formulated and developed. It gives an introduction to the historical approach of economic doctrine, the literature, and comparative economic thought. Five credits.

105. Money and Banking. The principles of money, credit, and banking, including a historical study of the monetary and banking systems in the United States. Five credits.

110. Public Finance and Taxation. Financial principles and practices of national, state, and municipal governments. The increase in government expenditures—causes and effects. Kinds of taxes; the

* Students who have had Economics 68 and/or 69 should not enroll for Economics 70.

shifting and incidence of taxes; problems of tax reform. Prerequisite, Economics 68, Economics of Production and Economics 69, Economics of Distribution. Five credits.

115. Economics of Labor. Present conditions and problems of labor; the rise, structure, philosophy, policies, and methods of trade unionism. Essentials of labor law as related to collective bargaining and efforts of the community to promote industrial peace. Five credits.

Geography

1. World Geography. A study of the elements which in various combinations form the environments of men, the natural and man-made changes that occur, and the uses the peoples of the earth have made of these environments. Five credits.

50. Economic Geography. This course is concerned with the geographic factors which underlie the economic activities of man in the several climatic realms of the world. Five credits.

81. Physical Geography. The work of this course divides itself into two parts: (1) a study of the major and minor land forms, and (2) an analysis of the physiographic regions of the United States. Interpretation of topographic maps and a study of the more common rocks are included in the above work. Five credits.

83. Weather and Climate. A study of (1) the elements of weather and climate (temperature, pressure, winds, atmospheric moisture and precipitation, and storms), and (2) climatic types and their world distribution. Five credits.

110. Geography of North America. An examination of the major geographic regions of Anglo-America (Alaska, Canada, United States). Five credits.

111. Geography of Latin America. A survey of the geographic landscapes and the economic activities of man in the countries of Central and South America, in Mexico, and in the islands of the Caribbean Sea. Three credits.

112. Geography of Europe. A comparative study of the geographic and political units which compose Europe. Useful in the interpretation of European history. Three credits.

114. Conservation of Natural Resources. The natural resources of the United States; their character, distribution, use and waste; present attitude and activities of state and federal governments in regard to conservation problems. Special consideration given to the resources and conservation problems of our own state. Three credits.

118. Geography of Asia. An analysis of the natural and cultural landscapes and the activities of man in the various geographic and political areas which comprise Asia. Three credits.

120. Geography of China. Lectures on the geographic regions of China. Two credits.

121. Practical Aids in Teaching Geography. Students who wish a review of the basic elements of geography plus a knowledge of the

source and selection of materials, familiarity with elementary text and reference books and a study of the units commonly taught in the schools of the state will find this course helpful. Two credits.

122. Geography of the Pacific Northwest. Discussion of the topography, climate and economic resources of the Pacific Northwest; and the distribution and economic activities of the people of this area. Helpful to those who will teach the resources and industries of Washington in the elementary and junior high schools of the state. Three credits.

123. Geography of the Soviet Union. Lectures on the topography, climate, resources and economic activities in each of the several geographic regions that comprise the Soviet Union. Two credits.

124. Readings in Geography. This is for students who have had several courses in geography. The readings will be done in an area chosen by the student and approved by the instructor. Oral reports on readings will be made periodically. Two credits.

125. Field Studies of Washington Area. To instruct geography majors in the methods of making areal studies and to better acquaint them with Washington geography. Two credits.

126. Geography of the State of Washington. A study of environments and economic activities of man in the Puget Sound Lowland, the Columbia Plateau and mountains and their valleys. Three credits.

History

***21. The Growth of American Democracy.** In this course, attention is given to the environmental and cultural factors which have made Americans unique among peoples. The origins of ideas, ideals, tendencies, and trends are given a place in the development of institutions and of broad general movements. The changing pattern of American life and the emergencies of a complex industrial society with its attendant problems is stressed. Democracy is interpreted as a process involving not merely political equality, but social and economic well being. Considerable attention will be given to the schools and colleges, humanitarian reforms, and the rise of the labor movements. The ultimate aim is to make students more aware of their American heritage as citizens and more able and intelligent interpreters of democracy in the communities in which they serve. Fee \$1.00. Five credits.

50. History of the United States I. A survey of the period from the first discoveries to the Civil War. Special attention is given to the political, social, and cultural life of the people and to the rise and development of the new nation. Five credits.

51. History of the United States II. A survey of the period from the Civil War to the present, with emphasis upon the political, economic, social and cultural development of the American people. Five credits.

* Students who have had History 50 and 51 are exempt from History 21.

54. Modern History I. A survey of Europe from the Reformation to 1815 which deals with the rise of the absolute monarchies and religious and commercial revolutions to the 17th and 18th centuries, the French Revolution, and the Napoleonic Period. Five credits.

55. Modern History II. A survey of Europe from the Congress of Vienna to the present. Topics of importance in this course are Congress of Vienna, the developments of nationalism, the rise of democracies, causes of the World War, and the rise of new dictators. Five credits.

57. Current History. An attempt to evaluate the events and movements in the present world situation. Historical background material is presented to aid in a better understanding of contemporary world affairs. Two credits.

58. Ancient and Medieval History. Every effort is made in this course to provide the student with an opportunity to become thoroughly acquainted with Old World Backgrounds. The course deals with the literature, architecture, religion, philosophy, institutions, government, customs and manners of the Egyptians, Greeks, Romans, and Western Europeans. The private and social lives of the respective peoples are emphasized, rather than military history and strict chronological presentation of historical developments. Five credits.

59. Modern World History. The content of this course is centered around the leading world-wide movements and historical events that have occurred between the French Revolution and the present. Analysis and interpretations by means of problems, discussions, and lectures provide students with a wide historical background which will help them toward gaining a clearer understanding of current world affairs. Five credits.

60. English Constitutional History. A study of the Anglo-Saxon origins, the Norman period, the legal, administrative, and parliamentary development; the limitation of royal power, the rise of the cabinet system, and the democratization of the Constitution. Five credits.

100. Renaissance and Reformation. A course dealing with the basic political, cultural, social, and economic features of the Renaissance and Reformation. Special emphasis is given to the rise of capitalism and the development of the absolute monarchies. Three credits.

101. The French Revolution. A study of the conditions in France prior to 1789; the course of the Revolution from 1789 to 1799 with its international implications; and the organization of France during the early years of Napoleon. Three credits.

102. Background of the World War of 1914-1918. A study of the historical background and the fundamental causes of the World War, the internal organization of the states of Europe and their international viewpoints relative to economic rivalry, unredeemed territory, militarism, the Triple Alliance, and the Triple Entente. Five credits.

103. Europe Between the World Wars. This course deals with the major problems following the Peace of Paris, 1919. Special emphasis is given to the periods of settlement, adjustment, and collapse. The rise of the totalitarian states with their attendant ideologies is traced with reference to their historical antecedents and the personalities of their dictators. Five credits.

104. The Latin American Republics. While due attention will be given to the Spanish and Portuguese period, this course stresses the period since the Wars of Independence. Special attention is given to those factors of the historical background which contribute to a better understanding of the present social, economic, and political life of the southern republics. Five credits.

106. Colonial History. A study of the period from the founding of the first colonies in America to their final political separation from England. Particular emphasis will be placed upon the various political, economic, and religious experiments made in the colonies. Five credits.

109. The West in American History. A course which emphasizes westward expansion of the American people, from the first settlement of the eastern coastal plains to the occupation of the last frontier area. Special attention is given to western explorations, patterns of settlements, the fur trade, land policies, the evolution of agriculture, political organization, transportation, frontier characteristics, territorial acquisition, the mining and ranching West, and the influence of the frontier on American institutions. Five credits.

110. The History and Government of Washington. This course deals with the early phases of exploration and settlement in Washington as well as the more recent political, economic, and social development. The latter part of the course is devoted to a study of the organization and functioning of the state government. Prerequisite, junior or senior standing. Three credits.

111. The United States in the Twentieth Century. The development of the United States from the Spanish American War to the present is emphasized in this course. Special attention is given to those aspects which illustrate the complexity of modern life and reveal the problems created by an industrial civilization. Five credits.

113. Readings in European or American History. Opportunity is provided for superior students to carry on independent study in particular fields in either European or American history under the direction of the staff members. Prerequisite, junior standing, twenty hours of history, and a minimum grade point average of 2.5. Two credits.

115. History of Canada. Beginning with the first explorers, a survey is made of the French period including the fur trade and colonization, the half century of conflict, Canada as a British colony, as a Dominion, and as a member of the British Commonwealth of Nations. Five credits.

116. Economic History of the United States. A specialized study of the economic factors which have played a part in the development of the American nation, beginning with the European background and continuing to the present. Five credits.

117. Topics in Pacific Northwest History. A study of selected phases of the development of the Pacific Northwest in the twentieth century. Two credits.

118. Selected American Biographies. A series of biographical studies of Americans who have made special contributions in the field of statecraft, economic life, or social progress. Five credits.

121. European Imperialism in Asia. A study of the activities of the European nations in securing concessions and other privileges in the far East during the nineteenth and twentieth centuries. Three credits.

122. The United States in World Affairs. A course which traces the relations of this country with the outside world from the beginning to the present. Prerequisite, ten hours of American History or consent of the instructor. Five credits.

Political Science

52. American Government. A study of the origin and development of the government of the United States, with emphasis upon the structure and functions of the various branches. Some time will be devoted to political organizations, and to the rights and duties of a citizen. Five credits.

54. Comparative Government. This course provides a broad survey of the more important governments of the world. The first half of the course deals with the English, French, Swiss, and Japanese governments; the last half is directed to the political organization and the economic programs of the dictatorships of Germany, Italy, and Russia. Five credits.

100. International Relations. A course in world politics with emphasis on the consequence of nationalism and imperialism. Among the subjects considered are: foreign policy, international law, conciliation and arbitration, international cooperation, leagues and associations of nations, contemporary world problems, and plans for a new world order. Five credits.

107. Contemporary American Political Parties. A critical analysis of American political parties as a part of the process of government; party organization and activities; nomination and campaign methods; theories and functions of the party system; and party responsibility. Five credits.

Sociology

20. Development of Social Institutions. A study beginning with the natural history of the human species, showing how man has come to think, live and utilize his environment. The influences of thought, cultures, and institutions are related to contemporary problems. Special attention is given to analyzing contemporary problems, the

criteria for determining them, and a scientific approach that will contribute their understanding and possible solution. Fee \$1.00. Five credits.

50. Anthropology. The natural history of man is studied briefly to show the biological unity of the human species. Principal emphasis is placed on the importance of culture in conditioning human behavior. Such fundamental processes as child-rearing, marriage, the growth of religious concepts, and the development of status systems are studied as they appear in primitive societies. Following this, some attention is given to anthropological study of modern American communities. Five credits.

51. Principles of Sociology. A course which acquaints the student with the basic concepts of sociologists regarding human nature; the cultural heritage; social interaction and group behavior; human ecology; communities; and social change. While due attention is given to social theory, considerable use is made of descriptive material and factual data, which illustrates current trends in human relationships. Five credits.

111. Contemporary Social Thought. In this course the more recent ideas, comprehensive plans, and national and international movements for effecting social change are studied. The method is that of critical analysis and objective evaluation of the merits and limitations of each idea or proposal considered. Five credits.

117b. Social Science Methods and Materials. The central purpose of this course is the selection and use of methods and materials for effective teaching of the social studies in the elementary school. A specialist in elementary school social studies, assisted by teachers in the College Elementary School, will discuss how to select appropriate materials and will demonstrate methods of teaching social studies at all levels from kindergarten through the sixth grade. Two credits.

117c. Social Science Methods and Materials. This course is concerned with recognized current methods and materials at the junior high school level. Two credits.

119. Social Problems. A study of those aspects of modern society which reveal social disorganization and personal maladjustment. Among the topics treated are: distribution of income; population movements; unemployment; crime and juvenile delinquency; family disorganization; mental and physical deficiencies, and problems of class and caste. Five credits.

120. The Community. An examination of various types of communities and their organization with particular reference to those of the Pacific Northwest. Emphasis will be placed upon the aspects of community life of most concern to the prospective teacher. Two credits.

INDEX

	Page
Absences	34
Accreditation	20
Activities	26
Administration Officers	6
Admission	31
Advanced Standing	31
Art, Fine—Courses	90
Art, Industrial—Courses	92
Arts and Sciences Program.....	59
Assemblies	16
Awards (See Honor Awards).....	17
Bachelor of Arts Degree in Education.....	35
Bacteriology	66
Board	25
Board of Trustees.....	6
Buildings and Equipment.....	14
Calendar	4, 5
Certificate Requirements	37
Certificates	35, 36
Civil Service Training (See Commercial Education—Courses).....	118
Classification of Students.....	33
Climate	15
Clubs	29
College of Arts and Sciences.....	59
College of Education.....	35
Commercial Art	65
Commercial Education—Courses	118
Committees (See Faculty Committees).....	13
Correspondence Courses	22
Counseling Program	26
Course Numbers	33
Cultural Opportunities	15
Curriculum—Primary and Intermediate Program.....	45
Curriculum—Upper Grade or Junior High Program.....	53
Degree Requirements—B. A. in Arts and Sciences.....	59
Degree Requirements—B. A. in Education	35
Degree Requirements—Master of Education.....	54
Deposits (See Expenses).....	23
Description of Courses.....	81
Division Chairmen	6
Drama—Courses	104
Economics—Courses	120
Education—Courses	81
Educational Opportunities	15
Employment	16
English—Courses (See Literature—Courses).....	102
Entertainment	16
Equipment (See Buildings and Equipment).....	14
Expenses	23
Extension Courses	22
Faculty	7
Faculty Committees	13
Fees (See Expenses).....	23
Film Service	22
French—Courses	105

	<i>Page</i>
General Information	14
Geographical Features	15
Geography—Courses	121
Grade Point Averages (See Marking and Point System).....	33
Grading System (See Marking and Point System).....	33
Graduate School of Education.....	54
Guidance	26, 27
Health Education—Courses	95
Health Service (See Student Health Service).....	19
Historical Statement	14
History—Courses	122
Home Economics—Two-Year Program	66
Home Economics—Courses	100
Honor Awards	17
Housing (See Student Housing).....	19
In-Service Education	22
Intermediate Program	38, 45
Junior College Programs.....	65
Junior High School Program.....	46, 48, 53
Kindergarten	38, 54
Language—Courses	102
Law (See Pre-Law).....	71
Lectures	16
Library	19
Library Administration	67
Library Science—Courses	106
Literature—Courses	102
Living Regulations	28
Loans (See Student Loans).....	16
Majors in Arts and Sciences.....	61
Majors in Elementary Education	39
Majors, Upper Grade and Junior High Program.....	47
Map of Campus.....	3
Marking and Point System.....	33
Master of Education Degree Program.....	57
Mathematics—Courses	110, 117
Meteorology	67
Minors in Elementary Education.....	39, 44
Minors, Upper Grade and Junior High Program (See also Minors for Elementary Education)	47, 52
Music—Courses	107
Music Organizations	30
Music (Pre-Conservatory)	68
Numbering of Courses	33
Nursing (See Pre-Nursing).....	73, 74
Nursery School	38, 54
Off-Campus Service	21, 22
Orientation	27
Personnel Services and Activities.....	26
Pharmacy (See Pre-Pharmacy).....	77
Philosophy—Courses	88
Physical Education (See Health Education).....	95
Physical Education Activity Courses—Men	99
Physical Education Activity Courses—Women	98
Physical Science (See Science—Courses).....	110

	<i>Page</i>
Placement Service	20
Political Science	125
Pre-Dentistry	72
Pre-Engineering	70
Pre-Forestry	70
Pre-Journalism	71
Pre-Law	71
Pre-Medicine	72
Pre-Nursing	73, 74
Pre-Occupational Therapy	75
Pre-Pharmacy	77
Pre-Physical Therapy	78
Pre-Professional Programs	65
Pre-Social Service	79
Primary Education	38, 45, 54
Principles and Policies.....	26
Psychology—Courses	88
Publications	30
Refunds (See Expenses).....	23
Registration Procedures	33
Religious Opportunities	15
Remedial Education—Courses	58
Requirements for the Teacher Education Curriculum.....	45
Requirements for Upper Grade or Junior High School Teaching.....	46, 48, 53
Room	25
Room Equipment and Furnishing.....	25
Scholarships	18
Scholarship Standards	34
Science—Courses	110
Secretaries and Assistants.....	7
Secretarial Science	80
Social Opportunities	15
Social Organizations	29
Social Science—Courses	118
Social Service (See Pre-Social Service).....	79
Sociology	125
Spanish—Courses	106
Speech—Courses	104
State Board of Education.....	6
Student Conduct	28
Student Counseling Program	26
Student Employment	16
Student Health Service	19
Student Housing	19
Student Load	32
Student Loans	16
Student Organizations	28
Student Personnel Officers	6
Student Responsibility for Records.....	32
Student Teaching Experience	54
Teaching (See Education—Courses).....	81
Teaching, Advanced	54
Terminal Programs	65
Typing (See Commercial Education—Courses).....	118
Upper Division Requirements.....	46, 48, 53
Veterans' Education	20
Visual Instruction (See Education—Courses).....	81