

1-1-1949

Eastern Washington College of Education, Cheney, Washington, annual catalog, 1949-1950

Eastern Washington College of Education

Follow this and additional works at: <https://dc.ewu.edu/catalogs>

Recommended Citation

Eastern Washington College of Education, "Eastern Washington College of Education, Cheney, Washington, annual catalog, 1949-1950" (1949). *Course Catalogs*. 54.
<https://dc.ewu.edu/catalogs/54>

This Book is brought to you for free and open access by the Eastern Washington University Digital History Collections at EWU Digital Commons. It has been accepted for inclusion in Course Catalogs by an authorized administrator of EWU Digital Commons. For more information, please contact jotto@ewu.edu.

EASTERN

WASHINGTON COLLEGE OF EDUCATION



E. W. U.
ARCHIVES

BULLETIN

1949-1950 CATALOG NUMBER

**EASTERN WASHINGTON COLLEGE OF
EDUCATION BULLETIN**

1949-50 ANNUAL CATALOG

VOLUME 45, NUMBER 1, JANUARY 1949

Entered April 7, 1943, at Cheney, Washington, as second class
matter, under Act of Congress of August 24, 1912,
and published quarterly at

CHENEY, WASHINGTON

*(Owned and published by the Eastern Washington
College of Education)*

Contents



Part I. Getting Started

Calendar	5
Admission	6
Expenses	7
Testing and Orientation.....	13
Registration	13

Part II. Curricula Outlined

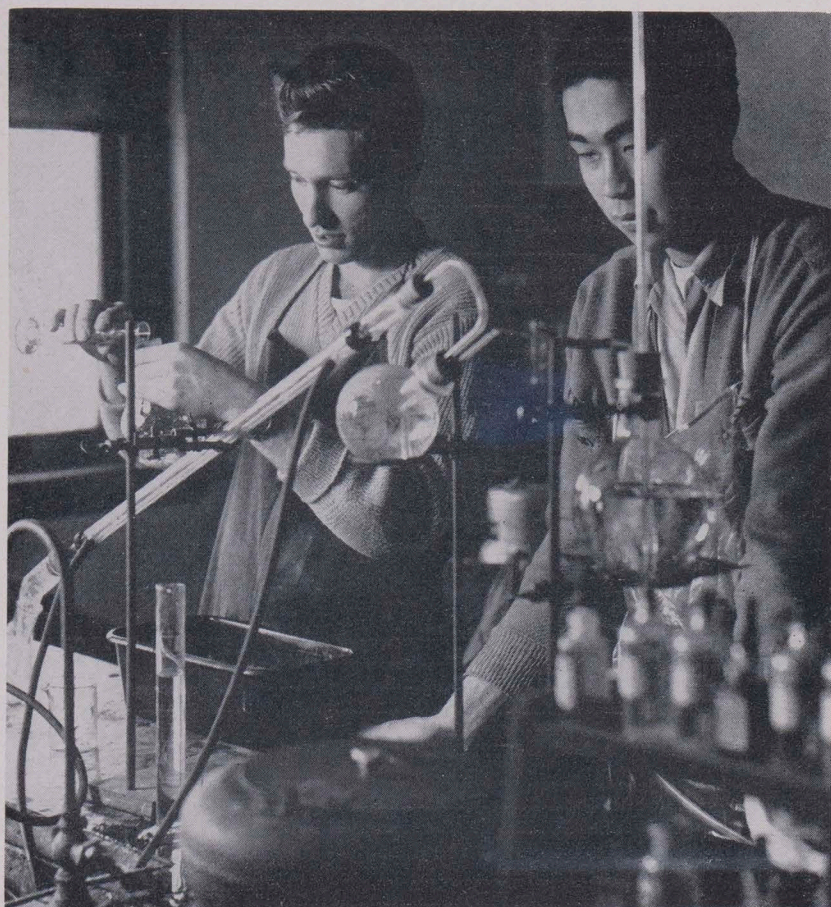
Introduction	15
Basic Requirements	16
Bachelor of Arts	17
Bachelor of Arts in Education.....	18
Master of Education	19
Junior College	19

Part III. Course Descriptions: Major, Supporting, and Minor Requirements

Aeronautics	20
Art	20
Biology	24
Chemistry	26
College Elementary School.....	28
Economics	28
Education	32
English	39
French	43
General Sciences	44
Geography and Geology.....	44
German	47
History	48
Home Economics	53
Humanities	56
Industrial Arts	57
Integrated Courses	61
Journalism	62
Librarianship	63
Mathematics	64
Modern Languages	66
Music	66
Philosophy	73
Physical and Health Education.....	74
Physical Sciences	80
Physics	80
Political Science	83

Contents, (continued)

Psychology	85
Social Studies	88
Sociology	88
Spanish	91
Speech	92
Individual Problem Major	96
Part IV. Junior College Opportunities	
Objectives	97
Schedules	97
Part V. Student Life and Welfare	
Veterans	100
Athletics	101
Music	102
Campus Activities	102
Convocation and Lectures	105
Student Living	105
Guidance and Counseling	108
Physical and Health Education Program	108
Student Loan Fund	108
Scholarships and Awards	108
Part VI. Academic Procedures	
Classification of Students	111
Certification to Teach	111
Special Education Credential	111
Administrator's Credentials	112
Accreditation of the College	113
Graduation Candidacy	113
Honor Students	113
Independent Study	114
Residence Requirement	115
Voice Test	115
Special students	115
Transcripts of Record	115
Notice	115
Part VII. Facilities and Organization	
Campus	116
Student Teaching	117
Library	118
Extension and Correspondence	118
Placement Office	119
Divisional Organization	119
Faculty Committees	120
Quarter System	121
Summer Quarter	121
History of the College	121
Part VIII. Directory of Personnel	
Board of Trustees	122
State Board of Education	122
Administrative Officers and Assistants	122
Library Staff	123
Residence Halls Staff	123
Instructional Staff	123
Part IX. Index	133, 134



REVISED CALENDAR 1949-1950

FALL QUARTER

Orientation and testing of new students, September 19-21. (All new students required to report Showalter auditorium 9:30 a.m., Monday, Sept. 19. Students not permitted to register without having taken required tests.)

Registration of seniors and juniors, Wednesday, September 21.

Registration of sophomores and freshmen, Thursday, Sept. 22.

Paying of fees, September 21-23. (One dollar late registration fee for failure to keep fee payment appointment).

Instruction begins Friday, September 23.

President's convocation, Thursday, September 29.

Last date to register for full credit, Wednesday, October 5.

Last date for removing incompletes, Friday, October 21.

Armistice and Admission Day (holiday), Friday, November 11.

Thanksgiving recess begins Tuesday, November 22, 5:00 p.m.

Thanksgiving recess ends Monday, November 28, 8:00 a.m.

Final examinations, December 14-16.

Quarter ends Friday, December 16, 3:20 p.m.

WINTER QUARTER

Registration Tuesday, January 3.

Paying of fees, January 3-6. (One dollar late registration fee for failure to keep fee payment appointment.)

Instruction begins Wednesday, January 4.

Last date to register for full credit, Monday, January 16.

Last date for removing incompletes, Friday, January 27.

Washington's Birthday (holiday), Wednesday, February 22.

Final examinations, March 22-24.

Quarter ends Friday, March 24, 3:20 p.m.

SPRING QUARTER

Registration Monday, April 3.

Paying of fees, April 3-5. (One dollar late registration fee for failure to keep fee payment appointment.)

Instruction begins Tuesday, April 4.

Last date to register for full credit, Friday, April 14.

Last date for removing incompletes, Friday, April 28.

Memorial Day (holiday), Tuesday, May 30.

Commencement, Sunday, June 11.

Final examinations, June 12-14.

Quarter ends Wednesday, June 14, 3:20 p.m.

SUMMER QUARTER

Dates to be announced.

Spring Quarter

Registration Monday, March 20.

Paying of minimum, laboratory and course fees, March 20-23. (One dollar late registration fee charged for failure to keep fee payment appointment.)

Instruction begins Tuesday, March 21.

Charter Day, Wednesday, March 22.

Last date to register for full credit, Friday, March 31.

Spring recess begins Tuesday, April 4, 5:00 p.m.

Spring recess ends Monday, April 10, 8:00 a.m.

Last date for removing incompletes, Friday, April 21.

Commencement, Sunday, June 4.

Instruction ends Tuesday, June 6, 5:00 p.m.

Summer Quarter

Dates to be announced.

ADMISSION

All communications regarding admission and graduation requirements should be addressed to the Registrar.

Freshmen. The Eastern Washington College follows a democratic admission policy. The completion of a four-year high school course or its academic equivalent or the passing of the General Educational Development Examination of the USAFI is required for admission. No specific high school courses or averages are prescribed. Freshmen may enter the college at the beginning of any quarter.

The Eastern Washington College cooperates with other Washington colleges in accepting the "Uniform Personal and Scholastic Record and Application for Admission to Higher Institutions in the State of Washington" as an official transcript of the student's high school record. Prospective Freshmen should file these official transcripts of record with the Registrar preferably after the close of their seventh semester but not less than one month previous to registration. *The official transcript of the student's high school record must be on file when the student comes to register.*

A student who ranked in the lowest fourth of a high school graduating class may not register for more than 13 credits, exclusive of Physical Education Activities, during the first quarter of his Freshman year. A graduate of an unaccredited high school may not register for more than 13 credits, exclusive of Physical Education Activities during the first quarter of his Freshman year.

Transfers. Credits will be accepted from all accredited institutions of higher learning. Applicants for advanced standing must furnish complete official transcripts of their records in schools and colleges formerly attended together with catalogs giving detailed information regarding courses completed. Transcripts should be filed with the Registrar not less than one month previous to registration. *Complete official transcripts of the student's high school and college records must be on file when the student comes to register.*

Non-matriculated Students. Individuals who are twenty-one years of age may be admitted without having completed a high school course, but are ineligible for graduation until preparatory deficiencies have been removed. Such deficiency can be removed by passing the General Educational Development Examination of the USAFI.

Education Courses. In order to enroll in any education course except Ed. 51 the student must complete all basic requirements and have a cumulative grade point average of 1.00. Psych. 155 is counted as an education course.

Before enrolling in "Student Teaching" the student must satisfy the "Sp. 11 Remedial Speech" and "Math. 1 Mathematics Fundamentals" course requirements.

EXPENSES

Tuition. There is no tuition at the Eastern Washington College.

Minimum Fees. Each regular student pays each quarter minimum fees amounting to \$20.00. These minimum fees include the Library Fee, the Health Fee, the Guidance Fee, and the Student Activities Fee. The student should bring money in the form of a cashier's check or bank draft.

In addition to the minimum fees there are sometimes laboratory and course fees, depending upon the courses for which the student registers. Laboratory and course fees, as well as the minimum fees, are payable on the first three days of the quarter in accordance with appointments arranged by the Registrar's Office.

Library Fee. The library fee of \$3.00 a quarter is spent for the upkeep of the library.

Health Fee. The health fee of \$2.50 a quarter goes toward meeting expenses connected with the health of the students and the support of the infirmary.

Guidance Fee. The guidance fee of \$.50 a quarter is used to purchase materials.

Student Activities Fee. The activities fee of \$14.00 a quarter is distributed to different funds: athletics, lectures and entertainments, social life, publications, etc.

CORRECTION

Disregard the following laboratory and course fees, except those for Music. A single Laboratory, Course, and Equipment Fee of \$5.00 has been substituted for separate course fees (except Music). This fee will be paid by each regular student, beginning with the 1949 summer quarter. Regular students who withdraw from the college during the first two weeks of a quarter will be entitled to a \$9.75 refund on the minimum fees (\$25.00). The enrolment fee for special students will be \$6.00, beginning with the 1949 summer quarter.

23 Picture Study	1.00
25 Appreciation of Folk Art.....	1.00
29 Lettering	1.00
32 History of Architecture .....	.50
33 History of Sculpture.....	.50
34 History of Painting.....	.50
35 Recreational Activities	1.00
37 Puppetry and Related Arts.....	2.00
53 Water Color Painting.....	1.00
54 Oil Painting	1.00
55 Drawing I	1.00
56 Drawing II	1.00
57 Drawing III	1.00
101 Arts and Crafts for the Handicapped.....	1.00
114 Ceramics Sculpture	2.50
117 Crafts II	2.00
119 Sculpture II	2.00
121 Interior Decoration II.....	1.00
127 Art Organization .....	.50
130 Guidance in Creative Activity.....	1.00
153 Advanced Water Color Painting.....	1.00
154 Advanced Oil Painting.....	1.00
159 Poster Design	1.00
161 Commercial Design	2.00
163 Illustration	1.00
175 Public School Art I.....	1.00
177 Public School Art II.....	1.00
181 Workshop in Sculpture I, II, III.....	2.00
183 Workshop in Ceramics.....	2.00
185 Crafts Workshop	2.00
187 Lettering and Poster Workshop.....	2.00
189 Public School Workshop.....	2.00
191 Plastic and Metal Workshop.....	2.00
193 Puppetry Workshop	2.00
195 Art in Education Workshop.....	2.00
197 Arts in Recreation Program Workshop.....	2.00
Biology	
2. Introduction to Biology.....	1.00
51, 52, 53 Zoology.....	2.50
54 Comparative Anatomy	2.50
61, 62, 63 Botany.....	1.00
109 Field Biology	2.00
116 Entomology	2.00
117 Advanced Entomology	2.00
118 Parasitology	2.00
120 Bacteriology	2.50
121 Genetics	1.00
122 Techniques in Biology.....	1.50
Chemistry	
51, 52, 53 General Chemistry.....	3.00
105, 106 Qualitative Analysis.....	4.00
107, 108, 109 Organic Chemistry.....	5.00
110, 111 Quantitative Analysis.....	4.00
Econ.	
14, 15, 16, 17, 18 Typewriting.....	1.50
35, 36 Office Machines.....	1.50
37 Duplicating	1.50

Education

61 Driver Education for Beginning Drivers.....	3.00
115 Driver Education for Teachers.....	3.00
141 Education Guidance	1.50
147 Remedial Reading and Arithmetic.....	2.00
149 Tests and Measurements.....	1.25
162 Audio and Visual Aids.....	1.00
183 Elementary Curriculum Workshop.....	2.00
247 Remedial Reading and Arithmetic.....	2.00

Geography

1 Elements of College Geography.....	.25
2 World Geography .....	.25
101 Northwest Landscapes and Rocks.....	.25
102 Materials and Techniques of Geographic Educ.....	.25
103 Commodities and Trade.....	.25
104 North America .....	.25
105 South America .....	.25
107 Northwest Geography .....	.25
109 Political Geography .....	.25
111 Asia .....	.25
112 Africa .....	.25
113 Europe .....	.25
114 Weather and Climate.....	.25
115 Geography of the Pacific.....	.25
117 Resources and Conservation.....	.25
120 Field Trips	1.00
121 Advanced Field Trips.....	1.00
123 Middle America .....	.25
124 Physiography of Western U. S.....	.25
125 Physiography of Eastern U. S.....	.25

Geology

110 Elements of Geology.....	.50
150 Economic Geology .....	.50
160 Historical Geology .....	.50

Home Ec.

53 Foods	5.00
54 Foods	5.00
68 Textiles	2.00
70 Clothing	1.00
71 Advanced Textiles	2.00
72 Lingerie Construction .....	.50
154 Experimental Cookery	5.00
162 Serving	2.00
166 Advanced Nutrition	1.00
168 Advanced Textiles	2.00
169 Methods in Nutrition.....	1.00
172 Clothing	1.00
173 Art Needlework	1.50
174 Advanced Art Needlework.....	1.50
175 Children's Clothing .....	.50
178 Pattern Design	2.00
179 Tailoring	2.00

Ind. Arts

1 Introduction to Industrial Arts.....	2.50
60 Engineering Drawing	2.75

61 Engineering Drawing	3.00
62 Engineering Drawing	2.75
100 Primary Industrial Arts.....	2.75
105 Wood Turning	3.00
106 Advanced Wood Turning.....	3.50
110 Wood and Metal Finishing.....	6.50
111 General Metals I.....	5.50
112 General Metals II.....	6.00
114 Wood Working for Homemakers.....	5.00
115 Cabinet Making and Furniture Construction.....	5.00
117 Oxy-Acetylene Welding	7.50
118 General Welding	9.00
120 Industrial Electricity	5.50
122 Radio Construction	6.50
124 Art Metal	7.00
125 Bench Metal	4.50
127 Metal Spinning	3.50
128 Machine Shop	4.50
130 Home Mechanics	3.50
135 Carpentry	2.00
136 Concrete	3.00
140 Machine Woodworking	2.00
142 Machine Drawing	2.75
143 Machine Drawing	2.75
145 Wood Carving	3.00
146 Seat Weaving	3.00
147 Upholstery	3.00
150 Architectural Drawing	3.50
151 Architectural Drawing	3.50
152 Architectural Drawing	3.50
156 Advanced Furniture Construction.....	6.00
168 Industrial Arts Publications.....	1.00
170 Industrial Arts Tests.....	1.00
174 Organization and Theory of the General Shop.....	4.50
175 Philosophy of Vocational Education.....	.00
180 History of Industrial Arts.....	1.00
185 Organization of Industrial Arts.....	.00
Journ.	
70 Radio Continuity	1.00
170 Advanced Radio Continuity.....	1.00
172 Radio Commercial Copy.....	1.00
174 Radio Newswriting and Editing.....	1.00
Music	
16 Piano—1 credit (10 lessons).....	20.00
(2 credits—20 lessons—\$40.00)	
17 String Instrument—1 credit (10 lessons).....	20.00
(2 credits—20 lessons—\$40.00)	
18 Voice—1 credit (10 lessons).....	20.00
(2 credits—20 lessons—\$40.00)	
19 Organ—1 credit (10 lessons).....	20.00
(2 credits—20 lessons—\$40.00)	
20 Wind Instrument—1 credit (10 lessons).....	20.00
(2 credits—20 lessons—\$40.00)	
21 Percussion—1 credit (10 lessons).....	20.00
(2 credits—20 lessons—\$40.00)	
22 Twirling—1 credit (10 lessons).....	20.00
(2 credits—20 lessons—\$40.00)	

26 Class Piano—1 credit (20 lessons).....	10.00
27 Class String—1 credit (20 lessons).....	10.00
28 Class Voice—1 credit (20 lessons).....	10.00
30 Class Wind—1 credit (20 lessons).....	10.00
31 Class Percussion—1 credit (20 lessons).....	10.00
32 Class Twirling—1 credit (20 lessons).....	10.00
Practice Room Rental—Voice and Piano.....	5.00
Practice Room Rental—String, Wind and Perc.....	3.00
String and Wind Instrument Rental.....	5.00
Organ Rental .20 hr.....	10.00
Phys. Educ.	
4, 13 Golf	1.25
4, 13 Skiing	5.00
151 Anatomy	3.00
Physics	
3 Survey of Physical Science.....	.25
121 Descriptive Astronomy .....	.25
51 Applied Descriptive Physics.....	1.00
61, 62, 63 General Physics.....	2.50
91, 92, 93 Engineering Physics.....	2.50
60 Elements of Photography.....	3.00
41 Electronics	5.00
(Offered primarily for veterans)	
160 Advanced Photography	2.00
Psychology	
101 Experimental Psychology	2.00
139 Clinical Psychology	2.00
170 Vocational Guidance	1.50
260 Diagnostic Techniques and Special Measure.....	5.00
Soc. Studies	
7 Integrated Social Studies.....	.25
Speech	
11 Remedial Speech .....	.25
51 Speech Fundamentals .....	.50
53 Voice for Speech.....	.50
70 Introduction to Radio Techniques.....	1.00
106, 107, 108 Play Production.....	.50
130 Oral Reading of Literature.....	.50
173 Radio Acting and Directing.....	1.50
174 Radio Program Direction and Production.....	1.50

Kinnikinick Fee. Each student who is in attendance during the fall, winter and spring quarters is charged 75 cents to cover the cost of the college yearbook, *The Kinnikinick* (college annual). A student who is in attendance during one of the three quarters is required to pay the difference between 75 cents and \$2.25 in order to secure his *Kinnikinick*. A student who is in attendance during two of the three quarters is required to pay the difference between \$1.50 and \$2.25 in order to secure his *Kinnikinick*.

Degree Fee. Each successful candidate for each of the following degrees must pay a degree fee of \$6.00: Bachelor of Arts, Bachelor of Arts in Education, Master of Education. The degree fee must be paid when the student makes application for graduation.

Certification Fee. Each successful candidate for teaching certification must pay a certification fee of \$1.00. The certification fee must be paid when the student makes application for graduation.

Examination Fee. Each candidate for teaching certification must take the National Teachers Examination, the fee for which is \$4.50. Each candidate for the degree of Master of Education must take a graduate examination, the fee for which is \$2.00.

Cap and Gown Fee. A fee of \$1.75 for the rental of cap, gown, and tassel is charged all the members of each graduating class.

Breakage Fee. Charges are made against all students for breakage of equipment in Laboratory courses on the basis of Cost of Replacing Equipment destroyed. A breakage deposit of \$3.00 is required of each student enrolled in Chemistry. The balance is refunded when the student checks in his equipment.

Special Students. Special students are those enrolled in not more than two courses exclusive of Physical Education Activities (P. E. 4 or P. E. 13), or for not more than six credits exclusive of Physical Education Activities (P. E. 4 or P. E. 13).

In other words, the maximum number of courses in which a special student may enroll is two, exclusive of P. E. Activities. The maximum number of credits for which a special student may enroll is six, exclusive of P. E. Activities. The enrollment fee for special students is \$3.50.

Board and Room. Board and room at the halls of residence for 1949-50 is \$1.50 per day. No deduction is made for week-end absences. Four-fifths of the board is deducted for vacations or absences on account of illness of more than three days. Guest rates are as follows: breakfast, 30 cents; lunch, 35 cents; dinner, 50 cents.

Payment for board and room is made monthly in advance. The first month's payment must accompany the minimum, laboratory, and course fees which are paid at the beginning of the quarter in accordance with the student's fee payment appointment number. When a student leaves at the end of a quarter, the \$5.00 deposit is deducted from his last payment.

Board and room can also be obtained at reasonable rates in private homes off-campus. For information, address the Dean of Women or the Dean of Men.

Trailer Houses are available to married veterans at \$17.50 per month. Heat, light and water are furnished. For reservations write the Bursar, Eastern Washington College. The trailer house reservation fee is \$5.00.

Late Registration Fee. A number with a fee payment appointment is given the student when he registers. The late registration fee of one dollar is charged regular students who fail to keep their fee payment appointments. The late registration fee is also charged regular students who fail to register before the day of the quarter on which instruction begins. Exception is made when delay in registering is occasioned by officials of the college.

Registration Changes Fee. A fee of one dollar is charged for each change of registration or number of changes which are made simultaneously. No fee is charged when the change is made on the initiative of officials of the college.

Laboratory fees of less than one dollar are not refunded.

Transcript Fee. A student who wishes to send transcripts of his record to other institutions will be furnished the first copy without charge. A fee of \$1.00 will be charged for each transcript thereafter. Transcript fees must be paid in advance.

Withdrawals. Students who withdraw from the college during the first two weeks of a quarter are entitled to a \$7.75 refund on the minimum fees. Laboratory and course fees of one dollar or more are also refunded to students who withdraw during the first two weeks of a quarter. No refunds are given for withdrawal after the second week of a quarter.

Students wishing to withdraw must secure clearance sheets at the Bursar's office.

Earning Expenses. Those students who need to earn part of their expenses will find a limited number of opportunities at the college for so doing. Regular monthly employment at the college is given only to students who live on the campus. There are also opportunities for work in the town of Cheney. Students expecting to earn part of their expenses should plan to carry less than the standard schedule of class work.

Prospective women students needing part-time employment should write Miss Eunice Nelson, Dean of Women. Prospective men students in need of part-time employment should write to the Dean of Men. The letters to the deans should include complete information regarding both needs and qualifications for part-time employment.

TESTING AND ORIENTATION

The purpose of the testing and orientation program is to enable each new student to get the best possible start at the Eastern Washington College. The tests are to discover interests, needs, achievements, and other bases for assisting and advising students regarding their college problems. Orientation includes essential information along such lines as the following: campus life and organizations, the aims and traditions of the college, study techniques and time allotments, students finances, academic procedures, the college staff.

All new students are required to participate in the testing and orientation program.

REGISTRATION

Dates. The registration date for each of the 1949-1950 quarters will be found in the calendar near the front of this catalog. Members of the faculty serve as registration counselors.

Transcripts. Complete official transcripts of the student's high school and college records must be on file when the student comes to register.

Penalty. The late registration fee of one dollar is charged regular students who fail to keep the fee payment appointments indicated by numbers given them when they register. The late registration fee is also charged regular students who fail to register before the day of the quarter on which instruction begins. Exception is made when delay in registering is occasioned by officials of the college.

Changes. Permission to *add* a course is given by the Registrar.

Permission to withdraw from a course after instruction begins is given by the Registrar or Dean.

A student who receives permission to withdraw from a course or who withdraws from the college up to and including Monday of the fifth week of a quarter is entitled to the grade "Withdrawn." After Monday of the fifth week of a quarter a student who receives permission to withdraw from a course or who withdraws from the college is entitled only to such grade as the instructor considers consistent with the student's class rank to date. However, when there are extenuating circumstances approved by the Registrar or Dean, the student is entitled to receive the grade "Withdrawn."

A fee of one dollar is charged for each change of registration or number of changes which are made simultaneously. No fee is charged when the change is made on the initiative of officials of the college.

Laboratory fees of less than one dollar are not refunded.

Part II. Curricula Outlined



INTRODUCTION

Bachelor of Arts, Bachelor of Arts in Education, Master of Education, and Junior College curricula are offered by the Eastern Washington College. Four college years are required for the completion of bachelor's degree curricula, and one year of graduate study for the master's degree. Two years of junior college work are offered.

The college emphasizes teacher education but also has a complete offering of typical arts and sciences majors for students who do not wish to teach or are not advised to do so. A strong general or basic education program is provided not only for liberal arts and junior college students but for education majors as well. It is not the policy of the college to establish professional schools in fields other than education.

Eastern recognizes the necessity for a close relationship between each of its programs and the business of living, and therefore makes its curricula broader than its program of studies. The curricula include the entire life of the campus and are given attention accordingly. Students are expected to participate in campus activities as well as in the academic phases of the various curricula.

The college emphasizes the needs of the individual student according to the objective he or she has in mind. Varied types of requirements, opportunities for specialization, and flexibility in curricular administration enable degree candidates as well as junior college students to exercise many choices.

Four types of requirements are included in each bachelor's degree curriculum: (1) basic; (2) major; (3) supporting; and (4) free elective. The proportions of each type which are possible for any one student prevents too much specialization as well as undue scattering of courses.

The **basic** requirements are included with the assumption that there are certain common elements which are essential for every college student. An example of such an element is the ability to communicate.

The **major** requirements represent opportunities for specialization. For example, the student who is especially interested in Art may major in Art.

The college desires to maintain a maximum of flexibility in the development of each student's major program, but recognizes that such programs naturally fall within certain groups. The suggested group patterns are expected to meet the needs of most students; other patterns may be developed under the guidance of the student's counselor.

The supporting requirements are those in fields other than the major which are needed to understand the major. For example, Mathematics would be needed for supporting course purposes by the student who is majoring in Physical Sciences.

Free electives may be employed for such purposes as exploration, further specialization, or satisfying individual interests. Free electives also provide "articulation" among the various majors and degrees so that the student can "change his mind" now and then. For example, the student may change his major to Education without loss of credit as late as the beginning of his senior year.

No less than 60 credits must be in upper division courses.
The basic requirements for the bachelors' degrees are as follows:

BASIC REQUIREMENTS

For the Degree of Bachelor of Arts

Eng. 1, 2, 3 Composition.....	9 credits	Natural Sciences.....	15 credits
Speech 51 Fundamentals.....	3 "	Social Studies.....	15 "
Humanities	15 "		
		Total.....	57 credits

For the Degree of Bachelor of Arts in Education

Eng. 1, 2, 3 Composition.....	9 credits	Natural Sciences.....	15 credits
Speech 51 Fundamentals.....	3 "	Social Studies.....	15 "
Humanities	8 "	Total.....	50 credits

NOTE 1: Courses from the student's major field cannot be used to satisfy his basic requirements.

NOTE 2: Courses from the following fields are used to satisfy basic requirements in the Humanities:

Art (except 121 Guidance in Creative Activity; 127 Organization; 101 Arts and Crafts for Handicapped; 29 Lettering; 161 Commercial Design; 175 Public School I; 177 Public School Art II; 179 Student Teaching)
English (except 1, 2, 3 composition; 7 Writing Clinic)
French
German
Humanities 1, 2, 3 Integrated Humanities
Music (except 101 Public School; 102 Elementary School; 103 Junior High School; 105 Modern Practices in Music Ed.; 109 Student Teaching; 121 Wind Instrument Technique; 125 Conducting; 126 Choral Technique)
Philosophy
Spanish
Speech (except 11 Remedial; 51 Fundamentals; 52 Delivery; 53 Voice for Speech; 106, 107, 108 Play Production; 109 Directing; 110 Acting; 112 Children's Theater; 118 Creative Dramatics Demonstration; 119 Choric Verse Speaking; 120 Speech for Radio; 130 Oral Reading of Lit.; 140 Speech Re-education; 176 Speech in Public School; 179 Dramatics in Public School)

NOTE 3: Courses from the following fields are used to satisfy basic requirements in the Natural Sciences:

Biology (except 20 Boy Scout Leadership)
Chemistry (except 31 Everyday)
Geology
Mathematics (except 1 Fundamentals; 3 Solid Geometry; 4 Adv. Algebra; 11 Bus. Math.; 160 Teaching of Math)
Nat. Sci. 4, 5, 6 Integrated Natural Sciences
Physics (except 51 Physical Sciences in Junior High School)
Physiology (P.H.E. 125, 151)

NOTE 4: Courses from the following fields are used to satisfy basic requirements in the Social Studies:

Econ. (except 14, 15, 16 Typing; 20, 21, 22, 23 Shorthand)
Geography (except 165 Materials and Techniques in Geographic Education)

Still required under new program

History (except 158 Teaching Social Studies)
 Industrial Arts (except 60, 61, 62 Engineering Drawing; 150, 151 Architectural Drawing; 185 Organization)
 Political Science
 P.H.E. 1 Health Fundamentals; 102 Personal Hygiene
 Psychology (except 131 Research; 46 Improvement of Learning)
 Soc. Sci. 7, 8, 9 Integrated Social Studies
 Sociology

BACHELOR OF ARTS

The requirements for the degree of Bachelor of Arts are:

Basic	57 credits
English Composition	9
Speech Fundamentals	3
Humanities	15
Natural Sciences	15
Social Studies	15
Major	approximately 45 credits
Supporting	approximately 45 credits
Free Electives	not less than 33 credits
Physical Education Activities (unless excused)	6 credits
Total (excluding P. E. Activities)	180 credits



Majors which can be chosen by the candidate for the degree of Bachelor of Arts are:

Art	Mathematics
Biology	Modern Languages
Chemistry	Music
Economics	Physical and Health Education
English	Physical Sciences
General Sciences	Physics
Geography	Political Science
History	Psychology
Home Economics	Social Studies
Humanities	Sociology
Industrial Arts	Speech

Area or Individual Problem major involving combination of above fields.

BACHELOR OF ARTS IN EDUCATION

The requirements for the degree of Bachelor of Arts in Education are:

Basic	50 credits
English Composition	9
Speech Fundamentals	3
Humanities	8
Natural Sciences	15
Social Studies	15
Major	44-47 credits
Social Foundations of Education	5
Educational Guidance or	
Tests and Measurements or	
Historical Foundations of Education	4
Curriculum	7
Washington State Manual	1
Student Teaching	15
Child Development	5
Physical Education Fundamentals	2
*Choice of a, b, c, or d	5-8
a. Art	8
b. Home Economics	6
c. Industrial Arts	6
d. Mathematics	5
e. Music	7
*Elementary Ed. majors are required to choose Art or	
Music (both recommended).	
Supporting	11-14 credits
Washington State History and Government	3
Nutrition (not required of Jr. Hi. Ed. major)	3
Health Fundamentals	3
General Psychology	5
Mathematics Fundamentals	0
Remedial Speech	0
Academic Major or Minors	45 credits
Choice of a, b, or c:	
a. One major of 45 credits	
b. Two minors of 30 and 15 credits	
c. Three minors of 15 credits each	
Free Electives	24-30 credits
Physical Education Activities (unless excused)	6 credits
Total (excluding P. E. Activities)	180 credits

The candidate for the degree of Bachelor of Arts in Education can choose an academic major from the major fields listed above under the degree of Bachelor of Arts.

The candidate for the degree of Bachelor of Arts in Education can choose minors from the major fields or from Education or Librarianship.

MASTER OF EDUCATION

To enable superior, professionally minded persons to gain further command of the theory and practice of education, the college has designed a graduate program to meet the needs of the following types of elementary and junior high school workers:

- a. Administrators and supervisors
- b. Classroom teachers
- c. Specialized workers, e.g., remedial teachers

The following courses must be included among the 45 (quarter basis) graduate credits required for the Ed. M. degree:

Education and Western Civilization.....	8 credits
Educational Research	3 credits
Field or Thesis Study.....	3-6 credits
Other Education Courses.....	10-13 credits

Additional courses are selected in consultation with the student's graduate adviser in accordance with the student's objectives.

Write the Registrar for complete, detailed information.

JUNIOR COLLEGE

Students interested in doing junior college work find a wide variety of pre-professional, pre-technical, and arts and sciences courses available at the Eastern Washington College. The junior college curriculum meets the needs of those who wish to transfer to universities and other colleges after completing two years at Eastern, as well as those who complete only two years of college.

See Part IV for further information.



Part III. Course Descriptions; Major, Supporting, and Minor Requirements



The major and supporting requirements for both bachelors' degrees as well as minor requirements for the B.A. in Ed. will be found under instructional field headings which are arranged in alphabetical order in this section.

Courses numbered 1-99 are intended primarily for freshmen and sophomores; those numbered 100 and above for juniors and seniors.

AERONAUTICS

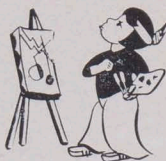


Instructor Giles

COURSE DESCRIPTIONS

Aero. 1. Ground School Aeronautics. An introductory course in theory of flight, meteorology, aerial navigation and recent developments in aviation. Fall, winter and spring. Four credits. Giles.

ART



Associate Professor Swerer; Assistant Professors Gingrich, Wiley;
Instructor Randall

NOTE: For Basic Requirements see Part II.

Major requirements for the degree of Bachelor of Arts:

Art 1 Intro. to Art I.....	4 credits	Art 25 Apprec. Folk Art or	
Art 5 Design & Color I.....	3 "	Art 32 Hist. Architecture or	
Art 6 Design & Color II.....	3 "	Art 33 Hist. Sculpture or	
Art 7 Design & Color III or		Art 34 Hist. Painting	2-3 credits
Art 161 Commercial Design.....	3 "	Art 53 Watercolor Painting or	
Art 13 Ceramics I.....	3 "	Art 54 Oil Painting	2 "
Art 14 Ceramics II.....	3 "	Art 55 Drawing I.....	3 "
Art 17 Crafts I or		Art 56 Drawing II.....	3 "
Art 35 Recreational Activ.....	3 "	Art 57 Drawing III.....	3 "
Art 19 Sculpture I.....	3 "	Art 119 Sculpture II.....	4 "
Art 21 Interior Decorat. I or		Art 173 Philosophy of Art.....	3 "
Art 117 Crafts II.....	2-3 "	Art courses above 100.....	12-14 "
Art 23 Picture Study or			

Total.....61 credits

Recommended supporting courses for the degree of Bachelor of Arts:

Ec. Bus. 14, 15, 16.....	Typing	Hist. 50, 51.....	European
Eng. 54, 55, 56.....	Survey Eng. Lit.	Music 1.....	Fundamentals
Home Ec. 162.....	Serving	P.H.E. 113, 114, 115.....	Modern Dance
H. Ec. 173.....	Art Needlework	Speech 103.....	Creative Dramatics

Academic major requirements for the degree of Bachelor of Arts in Education:

Art 5 Design and Color I.....	3 credits	Art 54 Oil Painting.....	2 credits
Art 13 Ceramics I.....	3 "	Art 55 Drawing I.....	3 "
Art 17 Crafts I.....	3 "	Art 127 Art Organization.....	4 "
Art 23 Picture Study.....	3 "	Choice of 24 credits in Art.....	24 "
Art 53 Watercolor Painting or			
		Total.....	45 credits

NOTE: *Students majoring in Art for the degree of Bachelor of Arts in Education should select Art 1 Introduction and Art 175 Public School to meet their Education major requirements.*

Minor requirements for the degree of Bachelor of Arts in Education:
Choice of 15 or 30 credits in Art not used to meet other requirements.

COURSE DESCRIPTIONS

Humanities 1, 2, 3. Integrated Humanities. Art, Literature, Music, and Philosophy principal sources of instructional materials. Fall, winter, and spring quarters. Five credits each quarter. Miller and staff.

Art 1. Introduction to Art I. The art of color-form; its place in life, education, and the school. Emphasis upon picture organization, pattern organization and color. Design carried out with crayons, chalk, charcoal, water-color, etc., as media. *Prerequisite to all courses over Art 50.* All quarters. Four credits. Swerer.

Art 2. Introduction to Art II. A continuance of Art I. Into a brief study of art history and art philosophy with further practical work as presented in Art I. *Prerequisite: Art 1.* Fall and summer quarters. Three credits. Swerer.

Art 5. Design and Color I. The purpose of this course is to give to the student a practical working knowledge of the principle of harmony in the use of design and color. Fall and winter quarters. Three credits. Wiley, Gingrich.

Art 6. Design and Color II. A continuance of Art 5. Development of pattern consciousness. *Prerequisite: Art 5.* Winter and summer quarters. Three credits. Wiley, Gingrich.

Art 7. Design and Color III. Built on Art 5 and Art 6. Techniques in three dimensional design are emphasized. *Prerequisites: Art 5 and Art 6.* Spring quarter. Three credits. Randall.

Art 13. Ceramics I. Pottery. A preliminary course in pottery. *Prerequisite: Art 5.* Fall and summer quarters. Three credits. Wiley.

Art 14. Ceramics II. Continuation of Ceramics I. Emphasis on decorative processes, glazing, firing. *Prerequisite: Art 13.* Winter, summer quarters. Three credits. Wiley.

Art 15. Art for the Consumer. A consideration of art as an integral part of daily living in the home, community, education, industry, as recreation, and as therapy. Development of sensitivity and fine taste, in the use and enjoyment of color and form arts. *No prerequisites.* Winter and summer quarters. Three credits. Gingrich.

Art 17. Crafts I. Construction and application of contour decorative design to various crafts. A beginning course in several crafts. *Prerequisite:* Art 5. Winter, spring and summer quarters. Three credits. Staff.

Art 19. Sculpture I. The development of self-expression and study of form, modeling in clay and other materials. Winter, spring, summer quarters. Three credits. Wiley, Randall.

Art 21. Interior Decoration I. A beginning course to develop discrimination and good taste in the selection and arrangement of backgrounds and furnishings for the small home. Problems in the school room planning and decoration are considered. *No prerequisite.* Spring quarter. Two credits. Gingrich.

Art 23. Picture Study. A course for the development of appreciation of pictures through the study of personal emotion-reaction, structural form, historical significance, personality of the artist and the subject, with consideration of presentation in the elementary school. Fall quarter. Three credits. Swerer.

Art 25. Appreciation of Folk-Art. A search for the understanding and appreciation of the art of the "folk" of different countries. Winter quarter. Three credits. Swerer.

Art 29. Lettering. Manuscript and Poster Lettering. A practical background in spacing letter forms. Introduction to free hand lettering, utilizing the lettering pen and brushes. Fall, winter, spring, and summer quarters. Two credits. Randall.

Art 32. History of Architecture. Study of the growth of the architecture throughout the ages. Spring quarter. Two credits. Gingrich, Wiley.

Art 33. History of Sculpture. A study of the growth of sculpture throughout the ages. Fall quarter. Two credits. Wiley.

Art 34. History of Painting. A study of the growth of pictures throughout the ages. Winter quarter. Two credits. Randall.

Art 35. Recreational Activities. A craft course adapted particularly to the use of crafts for hobbies, recreational and therapeutic purposes. Spring and summer quarters. Three credits. Swerer.

Art 37. Puppetry and Related Arts. The construction of puppets, masks, shadow forms and stage sets. Emphasis is placed upon art structure. Fall, winter, summer quarters. Two credits. Gingrich, Wiley.

Art 53. Water-Color Painting. *Prerequisites:* Art 1, Art 5. Fall, spring and summer quarters. Two credits. Wiley, Randall.

Art 54. Oil Painting. Modern approach to oil painting. *Prerequisite:* Art 1, Art 5, Art. 11. Fall and spring quarters. Two credits. Wiley, Randall.

Art 55. Drawing I. Creative drawing, utilizing various techniques and media. Fall quarter. Three credits. Staff.

Art 56. Drawing II. Drawing from the figure. *Prerequisite:* Art 55. Winter, spring quarters. Three credits. Staff.

Art 57. Drawing III. Creative drawing with emphasis on composition. *Prerequisite:* Art 55. Spring and summer quarters. Three credits. Wiley, Randall.

Art 101. Arts and Crafts for the Handicapped. A selection of the arts and crafts, the making of which helps to restore physically, mentally, and socially, the handicapped child to his normal place in society. Winter and spring quarters. Five credits. Swerer.

Art 114. Ceramic Sculpture. *Prerequisite:* Art 13, Art 14. Spring quarter. Three credits. Wiley.

Art 117. Crafts II. Application of decorative and contour design with emphasis on better quality in design and techniques. *Prerequisite:* Art 1, Art 17. Fall, spring, and summer quarters. Three credits. Staff.

Art 119. Sculpture II. Further study of sculpture expression, through carving in resistant material such as wood, stone, etc. Spring and summer quarters. Four credits. Wiley, Randall.

Art 121. Interior Decoration II. The application of design and color to specific problems in interior decoration. A consideration of historic types and contemporary trends in home furnishings. *Prerequisite:* Art 5, Art 11, Art 21. Spring quarter. Three credits. Gingrich.

Art 127. Art Organization. A study of the philosophy, the psychology and the practice of the principles and laws of organization as revealed in the art procedure. Practice in developing the ability to organize units of learning which are designed for application to the integration method in learning. The study of a thought process as it parallels the art process. Text: Development Course of Study. Winter, spring, and summer quarters. Four credits. Swerer.

Art 130. Guidance in Creative Activity. To meet the needs of the teacher who wishes the children under her guidance to achieve the fullest growth and development possible through creative experience in color-form art. Practical knowledge and understanding of the psychology and educational philosophy determining child guidance; use of illustrative material, a limited amount of individual experience in creative art; all will be presented. Winter and summer quarters. Three credits. Gingrich.

Art 153. Advanced Water-Color Painting. Winter and summer quarters. Two credits. Wiley, Randall.

Art 154. Advanced Oil Painting. Winter, summer quarters. Two credits. Wiley, Randall.

Art 159. Poster Design. Application of lettering and art forms to posters and other advertising media. *Prerequisite:* Art 1, Art 5, Art 11, Art 29. Winter, summer. Two credits. Randall.

Art 161. Commercial Design. A study and application of art production techniques as applied to advertising. *Prerequisite:* Art 159. Winter and spring quarters. Three credits. Randall.

Art 163. Illustration. Application of various techniques of drawing and painting compositions to reproduction methods.

Art 165. Fashion Art. History of costume. Illustration and reproduction of old and modern styles. Emphasis on art quality. Winter quarter. Two credits. Wiley

Art 173. Philosophy of Art. A course designed to help to establish and to expand the meaning of art—thereby making it more practical and adaptable to the problems of living. Winter quarter. Three credits. Swerer.

Art 175. Public School Art I. Practical study of the work in art which is directly applicable to the problems of the elementary and junior high schools. *Prerequisite:* Art 1. All quarters. Three credits. Gingrich.

Art 177. Public School Art II. A continuance of Art 175, expanding and extending the understanding of Public School Art, its content and techniques as applied to public school teaching. Spring quarter. *Prerequisite:* Art 175. Three credits. Gingrich.

Art 179. Student Teaching in Art. Teaching under supervision in the College Elementary and other selected schools. Fall, winter, and spring quarters. Three credits. Elementary School Supervisor.

Art 181. Workshop in Sculpture*. Beginning students and those more advanced will be able to continue the work in sculpture at the individual's own pace. Three-hour (or longer) periods. Summer quarter. Seven and one-half credits. Wiley.

Art 183. Workshop in Ceramics*. Summer quarter. Seven and one-half credits. Wiley.

Art 185. Craft Workshop*. Summer quarter. Seven and one-half credits. Staff.

Art 187. Lettering and Poster Workshop*. Summer quarter. Seven and one-half credits. Randall.

Art 189. Public School Workshop*. Summer quarter. Seven and one-half credits. Gingrich.

Art 191. Plastic and Leather Workshop*. Summer quarter. Seven and one-half credits. Randall, Swerer.

Art 193. Puppet Workshop*. Summer quarter. Seven and one-half credits. Staff.

Art 195. The Arts in Education Workshop*. Summer quarter. Seven and one-half credits. Staff.

Art 197. The Arts in a Recreation Program Workshop*. Summer quarter. Seven and one-half credits. Staff.

*Description for Art 183, 185, 187, 189, 191, 193, 195, 197 is the same as that given for Art 181, substituting the name of the course for "Sculpture."

BIOLOGY



Professor Hungate; Assistant Professor Rogers; Instructor Cross

NOTE: For basic requirements see Part II.

Major requirements for the degree of Bachelor of Arts:

Biol. 51, 52, 53 Zoology.....	12 credits	Biol. 120 Bacteriology.....	4 credits
Biol. 61, 62, 63 Botany.....	12 "	Biol. 121 Genetics.....	3 "
Biol. 116, 117 Entomology.....	8 "	Electives in Biology.....	4 "
Biol. 118 Parasitology.....	2 "		
		Total.....	45 credits

Supporting requirements for the degree of Bachelor of Arts:

Chem. 51, 52, 53 General.....	15 credits	Math. 55 Trigonometry.....	5 credits
Math. 54 College Algebra.....	5 "		
		Total.....	25 credits

NOTE: *Students who plan to become candidates for master's degrees are advised to complete two years of French or German.*

Academic major requirements for the degree of Bachelor of Arts in Education:

Same as for the degree of Bachelor of Arts.

Minor requirements for the degree of Bachelor of Arts in Education:

Choice of 15 or 30 credits in Biology not used to meet other requirements.

COURSE DESCRIPTIONS

Natural Sciences 4, 5, 6. Integrated Natural Sciences. Biological and Physical Sciences principal sources for instructional materials. Fall, winter, and spring quarters. Five credits each quarter. Rogers.

Biol. 2. Introduction to Biology. An elementary course, which includes a survey of the most significant plant and animal groups, the interrelations of the two kingdoms and their connection with human welfare. Some time also is devoted to genetics and its implications. Fall, winter, and spring quarters. Five credits. Cross.

Biol. 20. Boy Scout Leadership. Given in conjunction with the Inland Empire Council, Boy Scouts of America. Training in scoutcraft and the organizing and conducting of a troop. A certificate is presented to each man completing the course. Spring quarter. Two credits. Hungate.

Biol. 51, 52, 53. Zoology. Structure and natural history of the invertebrates. Structure, physiology and classification of the vertebrates, using selected types for laboratory work. The different vertebrate groups with reference to their ecological and taxonomic relationships, including field work and preparation of specimens. Fall, winter and spring quarters. Four credits a quarter. Hungate.

Biol. 54. Comparative Anatomy. A course designed primarily for the pre-medical student, emphasizing the evolutionary evidences, interrelating the chordate animal groups as a basis for understanding the phylogenesis and physiology of man. Laboratory work covers systemic details of representative chordates, with lectures correlating study. Spring quarter. Five credits. Rogers.

Biol. 61, 62, 63. Botany. A study of the thallophytes, bryophytes and spermatophytes in relation to their structure, ecology and importance. Elementary taxonomy of the spermatophytes. Field work is required in the spring quarter. Fall, winter and spring quarters. Four credits a quarter. Hungate.

Biol. 109. Field Biology. Identification, natural history and ecology of some of the most common plants and animals of the region, particularly birds, insects, conifers and flowering plants. Field work required. Spring quarter. Three credits. Hungate.

Biol. 112. Applied Botany. Study of the plant kingdom primarily from the standard of the importance of its members to man. The emphasis is placed upon higher plants and includes their medicinal, cultural, ornamental and general economic value. Fall quarter. Two credits. Hungate.

Biol. 114. Ornithology. Study of the birds of the region, their identification, food habits and economic importance. Field work required. Three credits. Hungate.

Biol. 116. Entomology. Structure and classification of insects. Their economic relationships and suitability for nature work in the elementary school is stressed. Spring quarter. Five credits. Rogers.

Biol. 117. Advanced Entomology. A course dealing particularly with the principles of economic entomology. Attention is also given to classification. A substantial collection is required. Periods by arrangement. Spring quarter. Three credits. Rogers.

Biol. 118. Parasitology. Study of the life history, importance and distribution of the external and internal animal parasites on the basis of their grouping in the animal kingdom. Winter quarter. Two credits. Rogers.

Biol. 120. Bacteriology. Study of bacteria and other micro-organisms, their growth and importance. Practice in making media, transferring cultures, staining and differential tests. Winter quarter. Four credits. Hungate.

Biol. 121. Genetics. An elementary course dealing with the principles of heredity in plants and animals. Fall quarter. Three credits. Cross.

Biol. 122. Technique in Biology. Collection, fixation and preparation of material suitable for use in biology; including sectioning and staining; the making of charts, photography and preparation and care of aquaria and terraria. Offered alternate years. Fall quarter. Two credits. Hungate.

Biol. 126. Advanced Genetics. Practical work in the development of the principles of genetics, using various forms in the laboratory. *Prerequisite:* Biol. 121. Given alternate years. Winter quarter. Two credits. Cross.

CHEMISTRY



Assistant Professors Harter, Tallyn

NOTE: *For Basic Requirements see Part II.*

Major requirements for the degree of Bachelor of Arts:

Chem. 51, 52, 53 General	Chem. 121, 122, 123 Elem.
Chemistry .....15 credits	Physical & Theoretical
Choice of 30 cr. from following:	Chemistry
Chem. 105, 106 Qualitative Analysis	
Chem. 107, 108, 109 Organic	Total.....45 credits
Chem. 110, 111 Quantitative Analysis	

Recommended supporting courses for the degree of Bachelor of Arts:

Math. 54 College Algebra	Physics 61, 62, 63 General
Math. 55 Trigonometry	

Academic major requirements for the degree of Bachelor of Arts in Education.

Same as for the degree of Bachelor of Arts.

Minor requirements for the degree of Bachelor of Arts in Education:

Choice of 15 or 30 credits in Chemistry not used to meet other requirements.

NOTE: *Students who plan to become candidates for master's degrees are advised to complete two years of French or (preferably) German.*

COURSE DESCRIPTIONS

Natural Sciences 4, 5, 6. Integrated Natural Sciences. Biological and Physical Sciences principal sources for instruction of materials. Fall, winter, and spring quarters. Five credits each quarter. Rogers.

Chem. 31. Everyday Chemistry. A survey course of cultural value and of special direct use to those teaching science in public schools. Alternate summers. Five credits. Staff.

Chem. 51, 52, 53. General Chemistry. The principles of chemistry and the properties of the elements and their more important compounds, with emphasis on the application of chemistry to industry and everyday life. The laboratory work of Chem. 53 consists of elementary qualitative analysis for cations. These courses run in sequence and should be begun in the fall quarter. Three class periods and two double laboratory periods a week. Fall, winter, spring quarters. Five credits a quarter. Tallyn.

Chem. 105, 106. Qualitative Analysis. Review and extension of chemical principles, applicable to analysis; the systematic detection of metals and acid groups leading to the identification of simple inorganic substances. These courses run in sequence and should be begun in the fall quarter. Two class periods and two double laboratory periods a week. *Prerequisites:* Chem. 51, 52, 53. Fall and winter quarters. Four credits a quarter. Tallyn.

Chem. 107, 108, 109. Organic Chemistry. An introduction to the chemistry of carbon compounds, including the principles of organic chemistry and methods of preparation and properties of the typical and more important inorganic compounds, with special attention to those of importance in industry and everyday life. These courses run in sequence and should be begun in the fall quarter. Three class periods and two triple laboratory periods a week. *Prerequisite:* Chem. 51, 52, 53. Fall, winter, spring quarters. Five credits a quarter. Tallyn.

Chem. 110, 111. Quantitative Analysis. Gravimetric and volumetric analysis; stoichiometrical relations. These courses run in sequence and should be begun in the spring quarter. Two class periods and two double laboratory periods a week. *Prerequisites:* Chem. 51, 52, 53. Spring quarter. Four credits a quarter. Tallyn.

Chem. 121, 122, 123. Elementary Physical and Theoretical Chemistry. A study of the physical properties and structure of matter, with the laws of chemical interaction and the theories governing these laws. Courses follow in sequence. Three lectures and three hours of laboratory per week. *Prerequisites:* Chem. 110, 111; Math. 111. Fall, winter, and spring quarters. Four credits a quarter. Harter.

COLLEGE ELEMENTARY SCHOOL



Professor Frasier; Assistant Professors Barton, Brewer, Cullen, Lang, McGrath, Newland; Instructors Allen, Wash, Giles, Patterson, Pearson, Thorington, Wilson, Zaffaroni.

Student teaching is provided in the College Elementary School, the Cheney Junior High School, and the Elementary and Junior High Schools of Spokane.

Students must register with the Director of Student Teaching for Student Teaching during the second and third weeks of the quarter immediately preceding the one in which they wish to do their teaching. As far as possible, students will be assigned to the grade which they request.

The college has complete, up-to-date facilities for the training of kindergarten as well as elementary and junior high teachers.

COURSE DESCRIPTIONS

See Ed. 178, 191-4-8.

ECONOMICS



Associate Professor Woolf; Assistant Professors Dayton, Nelson; Instructors Briggs, Elwick, Taylor.

NOTE: *For Basic Requirements see Part II.*

Major requirements for the degree of Bachelor of Arts:

For students majoring in Economics a variety of programs is possible. The college desires to maintain a maximum of individual flexibility in the development of each student's major program, but recognizes that such programs within the Economics major will naturally fall within the following groups. The following suggested group patterns are expected to meet the needs of most students; other patterns may be developed under the guidance of the student's counselor.

Group A

Econ. 62, 63, Intro. to Economics	10 credits	Econ. 150 Econ. Devel. Eur. (5)	
Econ. 162 Economic Theory.....	5 "	Econ. 175 Comparative Economic Systems (3)	13-15 "
Econ. 180 Hist. of Econ. Thought 4 "		Choice of 11 to 13 credits in Economics	13-11 "
Choice of three:			
Econ. 108 Econ. Hist. of U.S. (5)			
Econ. 135 Money & Banking (5)		Total.....	45 credits

GROUP B

Econ. 50 Intro. to Business.....	5 credits	Econ. 136, 137 Business Law.....	8 "
Econ. 51, 52, 53 Elements of Accounting	15 "	Choice of 7 credits in Economics	7 "
Econ. 62, 63 Intro. to Economics..	10 "	Total.....	45 credits

GROUP C

Econ. 35 Office Machines & Practices	3 credits	Accounting	15 "
Econ. 36 Advanced Office Machines	3 "	Econ. 62, 63 Intro. to Economics..	10 "
Econ. 50 Intro. to Business.....	5 "	Econ. 136, 137 Business Law.....	8 "
Econ. 51, 52, 53 Elements of		Proficiency in Typing & Shorthand	
		Total.....	45 credits

GROUP D

Econ. 50 Intro. to Business.....	5 credits	Choice of three:	
Econ. 51, 52, 53 Elements of Accounting	15 "	Econ. 108 Econ. Hist. of U.S. (5)	
Econ. 62, 63 Intro. to Economics..	10 "	Econ. 135 Money & Banking (5)	
Econ. 136, 137 Business Law.....	8 "	Econ. 150 Econ. Devel. Eur. (5)	
Econ. 162 Economic Theory.....	5 "	Econ. 175 Comparative Economic Systems (3)	
Econ. 180 Hist. of Econ. Thought	4 "	Total.....	60 credits

Supporting requirements for the degree of Bachelor of Arts:

Geog. 103 Economic Geog.....	4 credits	Psych. 80 Applied Psycholog....	4 "
Math. 47 Elements of Statistical Method	5 "	Soc. 61 General Sociology.....	5 "
Psych. 1 General Psychology.....	5 credits	Total.....	23 credits

NOTE: Students who plan to become candidates for master's degrees are advised to complete two years of a modern foreign language, preferably French or German.

Academic major requirements for the degree of Bachelor of Arts in Education:

Same as for the degree of Bachelor of Arts.

Minor requirements for the degree of Bachelor of Arts in Education:
Choice of 15 or 30 credits in Economics not used to meet other requirements.

COURSE DESCRIPTIONS

Social Studies 7, 8, 9. Integrated Social Studies. Economics, Geography, History, Political Science, and Sociology principal sources for instructional materials. Fall, winter, and spring quarters. Five credits each quarter. Staff.

Econ. 14, 15, 16, 17 and 18. Typewriting. Fundamentals of typewriting. Techniques of writing, operating and caring for the machine. Development of speed. Arrangement and typing of outlines, term papers, personal letters, manuscripts, business letters, etc. For each semester of credit already earned in high school credit is not given for one quarter in college. Three credits a quarter. Taylor.

Econ. 20, 21, 22. Shorthand. A service course for teachers and students. Students beginning in the fall quarter should plan to continue throughout the year. Beginning students must enroll for Ec. Bus. 20. For each semester of credit already earned in high school credit is not given for one quarter in college. It is advisable in many cases to audit for a quarter before taking the class in which the student plans to receive credit. Fall, winter, and spring quarters. Four credits a quarter. Staff.

Econ. 35. Office Machines and Practices. The study of efficient office methods, management and procedures in modern business. The student will have an opportunity to become acquainted with various makes of voice-scription machines, calculators, adding machines, filing sets, the electric typewriter, etc. Three credits. All quarters. Staff.

Econ. 36. Advanced Office Machines. This is a specialization in one or two of the machines studied in Ec. Bus. 35. However, Ec. Bus. 35 is not a prerequisite although it is recommended for entrance into this class. Three credits. All quarters. Staff.

Econ. 37. Duplicating. A specialization in operation of duplicating machines including the mimeograph, ditto, hektowriter, mimeoscope, etc. Three credits. All quarters. Taylor.

Econ. 40. Economics for the Consumer. This introductory course defines the position of the consumer in our economic society; the characteristics of consumer demand and the commercial manipulation of consumer choice; the relationship between the consumer and the government; the basic objectives of consumer education. Four credits. Woolf and Fisher.

Econ. 50. Introduction to Business. A survey course dealing with the various phases of business, and with the fundamental functions and organization of the business world of today. Five credits. Woolf.

Econ. 51, 52, 53. Elements of Accounting. An introduction to the study of accounting with consideration of the functions of accounts, business statements, books of original entry, business forms and papers. Fall, winter, spring quarters. Five credits each quarter. Briggs.

Econ. 62, 63. Introduction to Economics. The purpose of these courses is to provide a broad background of study to the field of economics to enable students to get a basic understanding of the dynamic economic forces contained within our society. Emphasis on the problems of production, the price system, corporate enterprise and business, labor and industrial conflicts, money and banking, foreign trade, markets, transportation, economic theory, wages, business cycles, insurance, social security, government, finance and public utilities. Two quarters in sequence. Five credits per quarter. Dayton.

Econ. 100. Corporate Finance. The evolution of the corporation, structure and organization, functions, types of securities issued, underwriting, syndicates, management and legal controls. Five credits. Staff.

Econ. 105. Advertising. The elementary functions of advertising; advertising media and techniques; psychological basis of modern sales promotion methods, and elements of market studies. *Prerequisite:* Econ. 62. (May be taken concurrently). Five credits. Woolf.

Econ. 108. Economic History of the United States. A general survey of the economic development of the United States from Colonial times to the present; explorations and settlements, colonization, the westward movement, growth of finance, industry, commerce, transportation and labor movements. Fall quarter. Five credits. Dayton.

Econ. 115. Marketing. This course describes and analyzes the marketing processes, and evaluates the functions performed by various marketing agencies. *Prerequisites:* Econ. 62. (May be taken concurrently). Five credits. Woolf.

Econ. 120. Utilities. The nature and development of public and private utilities, types, functions, regulation, utility boards and commissions, finances, rate-making, and leading court cases. Four credits. Staff.

Econ. 125. Labor Problems and Legislation. A study of the problems of labor, including federal and state legislation, with labor cases and materials. Winter quarter. Three credits. Nelson.

Econ. 126. History and Problems of the Labor Movement. The development of the American Labor movement, the structure of unionism, demands and accomplishments of labor, the contemporary movement. Fall quarter. Three credits. Nelson.

Econ. 128. Personnel Management. A study of the administration of human relations in industry, the development of employment relations, problems and methods of selecting and placing personnel, problems and methods of labor maintenance, the criteria for effective personnel management. Spring quarter. Three credits. Nelson.

Econ. 130, 131, 132. Advanced Accounting. Second year in accounting. Laboratory period to be arranged. *Prerequisites:* Econ. 51, 52, 53, 62. Five credits per quarter. Briggs.

Econ. 135. Money and Banking. Theories and systems of money and banking, with emphasis on banking practices in the United States. Five credits. Staff.

Econ. 136, 137. Business Law. The more important legal factors related to contracts, agency, negotiable paper, property, business organization, etc. *Prerequisites:* Econ. 62, 63. Four credits a quarter. Fall, winter quarters. King.

Econ. 141. World Economic Problems. This course emphasizes current world conditions: the problems of population, the search for markets and raw materials, world trade, cartels, capital investments, foreign exchange, the gold standard and managed currencies, the world bank, and imperialism. *Prerequisite:* Econ. 62. Three credits. Dayton.

Econ. 145. Sales Management. The basic functions of sales management; coordination of sales effort with other departments of the enterprise; sales planning and strategy; selection and training of a sales force. *Prerequisites:* Econ. 105, and Econ. 115. Five credits. Woolf.

Econ. 150. The Economic Development of Europe. This course traces and evaluates those factors in European history which are essential to an understanding of that continent's place in the world today; namely, the rise of the manors, agriculture, transportation, the growth of mercantilism, capitalism, industrialism, foreign trade, banking, finance, the war economies and reconstruction. Five credits. Dayton.

Econ. 153. International Trade. This course will deal with the economic basis of international trade, international commercial policies, transportation and communication facilities, and international finance. *Prerequisites:* Econ. 62, 63. Five credits. Staff.

Econ. 155. Investment Securities. Types of stocks, bonds, certificates of indebtedness, functions of stock and commodity exchanges, boards of trade, legal controls, investment trusts, principles of sound investment. Four credits. Elwick.

Econ. 160. Public Finance and Taxation. Federal, State, Municipal, and Special District or Regional Securities, foreign loans, the public debt, interest rates, defalcation, refinancing, the taxing power and revenues. Five credits. Elwick.

Econ. 162. Economic Theory. A study of economic theory as represented by the writings of Alfred Marshall. *Prerequisites:* Econ. 62, 63, 180. Five credits. Staff.

Econ. 165. Insurance. A study of individual and social efforts to provide security against the hazards of life. A brief survey of the various fields of private insurance as well as the trend in social insurance. Spring quarter. Five credits. Elwick.

Econ. 167, 168. Industrial Organization and Management. This course is intended primarily for students majoring in business and deals with various phases of the structure and functions of modern manufacturing industry. Plant layout, time and motion study, and the utilization of the human factor are treated in considerable detail. *Prerequisites:* Econ. 50. Four credits for each of the two quarters. Woolf.

Econ. 175. Comparative Economic Systems. A study of the economic systems of capitalism, fascism, socialism and communism which is of vital importance. Differences between these national economies played a significant role in the causes of World War II. An understanding of these economies is necessary in the construction of a lasting peace. *Prerequisites:* Econ. 62, 63. Three credits. Dayton.

Econ. 180. History of Economic Thought. The purpose of this course is to interpret the increasingly complex forms which economic life has assumed since the beginning of Biblical times to the present and which serve as signposts pointing to the social future. Among the great classics studied are the works of Adam Smith, Karl Marx and Thorstein Veblen. *Prerequisites:* Econ. 62, 63. Four credits. Dayton.

Econ. 185. Economics of the Soviet Union. An examination of the economic and territorial expansion of the USSR since early times, and an analytical review of the potential causes and areas of conflict with the Western powers. Five credits. Woolf.

EDUCATION



Professors Frasier, Williamson; Associate Professors Barber, Heisler, Wallace, Assistant Professor McGrath; Instructors Adams, Anderson, Damon, Fisher, Griesinger, Philpott, Tilley

NOTE: For Basic Requirements see Part II.

Requirements for a major in Junior High Education:

Ed. 134 Social Foundations.....	5 credits	P.H.E. 146 Fundamentals.....	2 credits
Ed. 141 Guidance or		Art 1 & 175 or	
Ed. 149 Tests & Meas. or		6 credits in Home Ec. or	
Ed. 152 Historical Found.....	4	6 credits in Ind. Arts or	
Ed. 155 Child Develop.....	5	Math. 54 or 55 or	
Ed. 178 Jr. Hi. Curriculum.....	7	Mus. 1 & 101.....	5-8
Ed. 182 Wn. State Manual.....	1		
Ed. 198 Jr. Hi Student Teach...15		Total.....	44-47 credits

NOTE: Each student who majors in Junior High Education must also complete a 45-credit academic major, or two minors of 30 and 15 credits respectively, or three minors of 15 credits each. The requirements for these academic majors and for the minors are stated according to instructional fields in Part III under "Academic major requirements for the degree of Bachelor of Arts in Education" and "Minor requirements for the degree of Bachelor of Arts in Education."

Supporting requirements for a major in Junior High Education:

Hist. 63 Wn. State History & Government	3 credits	Speech 11 Remedial.....	0 credits
P.H.E. 1 Health Fundamentals....	3 "	(Most students exempt by test)	—
Psych. 1 General.....	5 "		
Math. 1 Fundamentals.....	0 "		
(Exemption by test or other Math. course)		Total.....	11 credits

Requirements for a major in Elementary Education:

Ed. 134 Social Foundations.....	5 credits	Art 1 & 175 or Mus. 1 & 101.....	7 credits
Ed. 141 Guidance or		(Students majoring in Elementary Ed. are strongly advised to complete Art 1, Mus. 1, Art 175, & Mus. 101)	
Ed. 149 Tests & Meas. or			
Ed. 152 Historical Found.....	4 "		
Ed. 155 Child Develop.....	5 "		
Ed. 178 Elem. Curriculum.....	7 "		
Ed. 182 Wn. State Manual.....	1 "		
Ed. 191-4 Elem. Student Teach.....	15 "		
P.H.E. 146 Fundamentals.....	2 "	Total.....	46 credits

NOTE: Each student who majors in Elementary Education must also complete a 45-credit academic major, or two minors of 30 and 15 credits respectively, or three minors of 15 credits each. The requirements for these academic majors and for the minors are stated according to instructional fields in Part III under "Academic major requirements for the degree of Bachelor of Arts in Education" and "Minor requirements for the degree of Bachelor of Arts in Education."

Supporting requirements for a major in Elementary Education:

Hist. 63 Wn. State History & Government	3 credits	(Exemption by passing test or another Math. course)	
H. Ec. 56 Nutrition.....	3 "	Speech 11 Remedial.....	0 credits
P.H.E. 1 Health Fund.....	3 "	(Most students exempt by test)	—
Psych. 1 General.....	5 "		
Math. 1 Fundamentals.....	0 "	Total.....	14 credits

Minor requirements for the degree of Bachelor of Arts in Education:

Choice of 15 or 30 credits in Education and/or Psychology not used to meet other requirements.

COURSE DESCRIPTIONS

Ed. 46. Improvement of Learning. Practical experience is given in how to improve learning in college; an analysis of difficulties involving different types of adjustment which interfere with the learning situation. Students who wish to increase their study efficiency and improve their study habits are invited to take this course. Fall and winter quarters. One credit. Staff.

Ed. 51. Introduction to Education. An introduction to professional education by means of school visits and selected readings. Visits to the College Elementary School and to the Junior and Senior High Schools of Cheney. Three credits. Staff.

Ed. 61. Driver Education for Beginning Drivers. Instruction in the theory and practice of safe and efficient driving. Lectures on sound driving practices, how the pedestrian can avoid accidents, the various motor age improvements in safety. Instruction in driving skills in a dual controlled automobile. One credit for the preparation of a paper on some phase of Driver Education. All quarters. 0-1 credit. Giles.

Ed. 107. Teaching Problems in the Elementary School. A seminar course for advanced students. The workshop technique is used and the student works on problems of his own selection. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; completion of all basic requirements and instructor's consent. Summer quarter. Credits to be arranged. Staff.

Ed. 108. Elementary School Reading and Related Language Arts. The mental processes in reading procedures and techniques which are most economical in teaching reading in the elementary grades. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; completion of all basic requirements. Summer quarter. Two and one-half credits. Staff.

Ed. 115. Driver Education for Teachers. A course to prepare teachers for conducting driver education classes in the public schools. Includes lectures, demonstrations and actual practice teaching in a dual controlled automobile. Upon satisfactorily completing the course the student receives a certificate of proficiency from the American Automobile Association. *Prerequisite:* Automobile driving experience. Winter, spring, summer quarters. Three credits. Giles.

Ed. 131. Research in Education. An opportunity for students with adequate background and experience to make intensive and independent study of some special problems in education. Interested students should confer with Dr. Williamson before enrolling and indicate to him the nature of the study they wish to develop. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; completion of all basic requirements. Credits and hours to be arranged.

Ed. 133. Conflicting Theories in Modern Education. The various trends and conflicts in American education. The development of the theory of the so-called "activity program" as framed by the thinking of Rousseau, Pestalozzi, Dewey and others; the "discipline" theory, the scientific movement in education. An effort is made to understand the contrasting educational viewpoint of leading contemporary educators. *Prerequisites:* A cumulative grade point average of 1.00; completion of all basic requirements. Summer quarter. Five credits. Williamson.

Ed. 134. Social Foundations of Education. The purposes of education in American democracy, the role of the teacher in the educative process, the characteristics of society that are most important in determining the character of the teaching process. The course considers those social and economic problems that are most pertinent to educational theory and methodology. The chief purpose of the course is to help the student build for himself a democratic philosophy of education. *Prerequisite:* Student Teaching. All quarters. Five credits. Williamson.

Ed. 141. Educational Guidance. Principles and techniques for the discovery and direction of the individual's abilities, interests, and achievements. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; completion of all basic requirements. Four credits. Heisler.

Ed. 143. Education in the Kindergarten. Study and observation of the five-year-old child and a survey of the history, principles, procedures, and equipment as they apply to the kindergarten. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; completion of all basic requirements. Spring and summer quarters. Three credits. Kuhlman.

Ed. 144. Science in the Junior High School. The basic conceptions of science in the modern world. How to use scientific equipment and how to manage the science experiences of junior high school children. *Prerequisites:* Ed. 134 or teaching experience; cumulative grade point average of 1.00. 2½ credits. Summer quarter only. Staff.

Ed. 147. Remedial Reading. Diagnosis of reading difficulties through the use of diagnostic devices and tests. Study of cases, clinic procedures and suggestions for remedial work. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; completion of all basic requirements. Three credits. Summer and spring quarters. Heisler.

Ed. 149. Tests and Measurements. A short historical background of the field of tests, measurement, and evaluation, for the purpose of seeing the changing concepts of child accounting and the relationship of testing, measurements, and evaluation to changes in educational philosophy. Practice in the construction of tests, consideration of the characteristics of examinations, the use of cumulative records and case histories, and controlled observations. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; completion of all basic requirements. Summer quarter. Four credits.

Ed. 150. Science in the Elementary School. Consideration will be given to the function of science in an integrated program and to the place of reading, arithmetic, language and creative arts in the development of science activities. Course includes content for the classroom teacher and an opportunity to work with materials and experiments in elementary science. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; completion of all basic requirements. Offered summer quarter only. Two and one-half credits. Staff.

Ed. 151. Teaching the Social Studies in the Lower Grades. The place of Social Science in the total school program, the development of principles involved in the teaching of Social Science. An opportunity to develop units in Social Science for different grade levels. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; completion of all basic requirements. Spring and summer quarters. Five credits. McGrath and Cassidy.

Ed. 152. Historical Foundations of Education. Furnishes background and historical perspective for viewing present trends in elementary education. The evolution of educational philosophy and the relation of the school to social change; the development of the American system of tax supported schools. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; completion of all basic requirements. Fall and spring quarters. Four credits. Williamson and Fisher.

Ed. 153. Elementary School Curricula. The objectives, content and material of the various subject matter fields of elementary and junior high schools. The "Guides for Teachers" prepared by the State Curriculum Committees constitute the basic materials for study. *Prerequisites:* A cumulative grade point average of 1.00; completion of all basic requirements; Psych. 155. Five credits. Staff.

Ed. 155. Child Development. The educational significance of the main facts and problems of child growth. The principles of learning. The role of the culture in the shaping of personality. *Prerequisites:* a cumulative grade point average of 1.00; completion of all basic requirements. All quarters. Five credits. Heisler.

Ed. 158. Teaching the Social Studies in the Upper Grades. The objectives, teaching methods, and content of the social studies program in the upper grades and the junior high school. Consideration of various points of view regarding the teaching of the social studies and the emphasis to be placed on current events, history, geography, civics, etc. *Prerequisite: Senior standing.* Spring quarter. Four credits. Fisher.

Ed. 159. Current Issues in Education. Such aspects of the educational scene as federal aid, teacher tenure, teachers' salaries, the political control of education, "indoctrination" versus education, religion and public education, school district reorganization, the community centered school, academic freedom. *Prerequisites: Junior standing; Ed. 134.* Winter quarter. Three credits. Fisher.

Ed. 162. Audio and Visual Aids. Instruction in the operation of the motion picture, opaque, filmstrip and slide projectors, micro-projector, recorders (tape, wire, and disc). Opportunity will be given to preview various types of instructional materials, including films, filmstrips, slides, flat pictures, and to become acquainted with methods of effective utilization. *Prerequisites: Junior standing; a cumulative grade point average of 1.00; completion of all basic requirements.* Summer quarter. Two and one-half credits. Staff.

Ed. 164. Education and Contemporary Culture. With the cooperation of the various departments of the college, an effort is here made to present an integrated view of contemporary American culture and its relation to the schools. The course aims to present the most significant aspects of American civilization, how the school was shaped by the culture and how the schools in turn help to modify the culture. *Prerequisites: Junior standing; a cumulative grade point average of 1.00; completion of all basic requirements.* Summer quarter. Five credits. Staff.

Ed. 174. Educational Sociology. The educational significance of our society's traits, trends and tensions. Relations of educational objectives, curricula, techniques, organization and administration to domestic, economic, political, religious, aesthetic and recreational institutions. Traditions, group behavior, culture problems and foreign affairs in relation to education. The development of a social philosophy of education. *Prerequisites: Junior standing; a cumulative grade point average of 1.00; completion of all basic requirements.* Four credits. Staff.

Ed. 178. Public School Curriculum. Objectives, content, materials, and techniques in elementary and Junior high subject matter fields except Art, Industrial Arts, Music, and Physical and Health Education (See Art 175; I. Ed. 102; Mus. 101; P.H.E. 146). Emphasis on "Guides for Teachers" prepared by State Curriculum Committees. Lectures, discussions, assigned problems, and observation. *Prerequisites: Junior standing; a cumulative grade point average of 1.00; completion of all basic requirements; Ed. 155.* Fall, winter, spring quarters. Seven credits. Cassidy, Brewer, and Fisher.

Ed. 181. School and Community. Designed to help students keep abreast of the new emphasis in education upon the relation of school and community. Community resources which can be used to advantage in the educative process. Field trips are taken by way of indicating what can be done along similar lines in the common schools. Persons representing particular points of view or organizations in the community are frequently invited to speak to the class. The overall purpose of the course is to bring the community closer to the school. *Prerequisite: Junior standing.* Fall quarter. Three credits.

Ed. 182—Washington State Manual. Designed to acquaint seniors with the chief aspects of the Washington system of public schools; the evolution from local support and control to state and local support and control; district, county, and state systems of administration; sources of school support; the movement toward consolidation; professional organizations, professional ethics; first year problems of teachers. *Prerequisites:* Senior standing; a cumulative grade point average of 1.00; completion of all basic requirements. All quarters. One credit. Isle, Wallace, Williamson.

Ed. 185, 186, 187. Advanced Educational Psychology. Advanced problems arising from children's adjustments and behavior in public school situations. *Prerequisites:* Psych. 1; Ed. 155. Two credits a quarter. Cassidy.

Ed. 188. Directed Observation and Teaching of a Remedial Class. Diagnostic and corrective work. *Prerequisite:* Ed. 147 and Psych. 160 completed or in progress. Three credits. Spring and summer quarters. Heisler.

Ed. 191. Kindergarten-Primary Student Teaching. Supervised teaching in the kindergarten or primary grades—one, two, three. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; Ed. 155, Ed. 178, Math. I, Speech II. Fall, winter, spring quarters. Fifteen credits. Staff.

Ed. 194. Middle Grade Student Teaching. Supervised teaching in the middle grades—four, five, six. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; Ed. 155, 178; Math. I; Speech II. Fall, winter, spring quarters. Fifteen credits. Staff.

Ed. 198. Junior High Student Teaching. Supervised teaching in the junior high school grades—seven, eight, nine. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; Ed. 155, 178; Math. I; Speech II. Fall, winter, spring quarters. Fifteen credits. Staff.

Ed. 201. The Development of Education and Western Civilization. The part education has played in the development of Western culture; the beliefs, institutions and ideals of a given culture that have determined the character of the schools; the effects of the dominant social forces in a culture on the growth and development of children. The course aims to integrate and interpret the contributions of writers and thinkers in the social sciences, philosophy, psychology, the arts, education. Required for the Ed. M. degree. *Prerequisite:* Graduate standing. (The course is divided into two parts of four credits each). Williamson, Fisher.

Ed. 208. Elementary School Reading and Related Language Arts. The mental processes in reading, procedures and techniques which are most economical in teaching reading in the elementary grades. *Prerequisite:* Graduate standing. Three credits. Staff.

Ed. 211. Educational Research. To acquaint the student with research studies most significant for working in elementary and junior high school education. Opportunity to read and evaluate research in the field of particular interest. A background course for those interested in doing a research project. Required for the Ed. M. degree. *Prerequisite:* Graduate standing. Three credits. Heisler.

Ed. 220. Elementary School Supervision. The improvement of instruction through supervision in grades one to nine inclusive. Emphasis on this problem as related to the small school system. *Prerequisites:* Graduate standing; one year of teaching experience. Summer quarter. Five credits. Frasier.

Ed. 226. Elementary School Administration. The practical problems of elementary administration, supervision, and school finance adapted to the needs of students preparing to serve as elementary school principals. *Prerequisites:* Graduate standing; one year of teaching experience. Summer quarter. Five credits. Frasier.

Ed. 228. Junior High School Curriculum. A study of programs of studies best suited to the needs of junior high school youth. Includes those activities sometimes called "extra curricular." The State Junior High School Guides will be used. *Prerequisite:* Graduate standing. Five credits. Staff.

Ed. 229. Junior High School Administration. The principles and techniques necessary for the effective management of a junior high school. The part teachers can play in shaping school policy planning the curriculum, managing student government. *Prerequisite:* Graduate standing. Five credits. Staff.

Ed. 247. Remedial Reading and Arithmetic. The techniques of diagnosing and correcting reading and arithmetic disabilities. Demonstration of instruments used in reading clinics. *Prerequisite:* Graduate standing. Five credits. Heisler.

Ed. 250. Curriculum Construction. General theories and methods of curriculum building. The student will have an opportunity to develop an individual project in his chosen field. *Prerequisite:* Graduate standing. Five credits. Staff.

Ed. 251. Elementary School Social Studies Techniques. A graduate course dealing with the place of Social Studies in the total school program, the development of principles involved in the teaching of Social Studies. An opportunity to develop units for different grade levels. *Prerequisite:* Graduate standing. Three credits. Cassidy.

Ed. 260. Diagnostic Techniques and Special Measurements. A required course for persons who wish to qualify for the Special Education Credential. Individual intelligence testing; elementary measurements; clinical procedures. *Prerequisite:* Graduate standing. Five credits. Heisler.

Ed. 288. Directed Observation and Teaching of a Remedial Class. A required course for the special education credential. Diagnostic and corrective work. *Prerequisites:* Graduate standing; must have had or be taking Psych. 260 and Ed. 247. Three credits. Heisler.

See Psych. 260 under Psychology.

NOTE: For the following courses see other instructional fields regarding further information as indicated below.

- Ed. 40. Economics for the Consumer** (See Ec. Bus. 40).
- Ed. 101. Public School Music** (See Music 101).
- Ed. 102. Elementary School Music** (See Music 102).
- Ed. 103. Creative Dramatics** (See Speech 103).
- Ed. 104. Elementary Rhythmic Methods** (See P.H.E. 104).
- Ed. 105. Modern Practices in Music Education** (See Music 105).
- Ed. 109. Primary P. E. Methods** (See P.H.E. 109).
- Ed. 110. Middle Grade P. E. Methods** (See P.H.E. 110).
- Ed. 111. Junior High P.E. Methods** (See P.H.E. 111).
- Ed. 112. Children's Theater** (See Speech 112).
- Ed. 118. Creative Dramatics Demonstration** (See Speech 118).
- Ed. 120. Camp Fire Leadership** (See P.H.E. 120).

- Ed. 124. Organization and Administration of Physical and Health Education (See P.H.E. 124).
- Ed. 127. Art Organization (See Art 127).
- Ed. 129. Methods and Materials of Health Education (See P.H.E. 129).
- Ed. 130. Guidance in Creative Activities (See Art 130).
- Ed. 135. Elementary School Music Materials (See Music 135).
- Ed. 138. School Hygiene (See P.H.E. 138).
- Ed. 140. Speech Re-education (See Speech 140).
- Ed. 142. Clinical Practice in Speech Re-education (See Speech 142).
- Ed. 145. Creative Music for Children (See Speech 145).
- Ed. 146. Physical Education Fundamentals (See P.H.E. 146).
- Ed. 155. Child Development (See Psych. 155).
- Ed. 158. The Teaching of Social Studies in the Upper Grades (See Hist. 158).
- Ed. 160. The Teaching of Mathematics (See Math. 160).
- Ed. 163. Methods in Home Economics (See H. Ec. 163).
- Ed. 165. Materials and Techniques of Geographic Education (See Geog. 165).
- Ed. 169. Methods in Nutrition (See H. Ec. 169).
- Ed. 175. Public School Art I (See Art 175).
- Ed. 176. Speech in the Public Schools (See Speech 176).
- Ed. 177. Public School Art II (See Art 177).
- Ed. 179. Dramatics in the Public School (See Speech 179).
- Ed. 180. History of Industrial Arts (See I.A. 180).
- Ed. 185. Organization of Industrial Arts (See I.A. 185).
- Ed. 260. Diagnostic Techniques and Special Measurements (See Psych. 260).

ENGLISH



Associate Professors Dickinson, Dressler; Assistant Professors Herring, Miller; Instructors Bamman, Dodd, Elrod, Grafious, Kessler, Krebsbach, Lass, Taylor

NOTE: For Basic Requirements see Part II.

Major requirements for the degree of Bachelor of Arts:

For students majoring in English a variety of programs is possible. The college desires to maintain a maximum of individual flexibility in the development of each student's major program, but recognizes that such programs within the English major will naturally fall within the following groups. The following suggested group patterns are expected to meet the needs of most students; other patterns may be developed under the guidance of the student's counselor.

GROUP A

Eng. 30 Introduction to Poetry	3 credits	Eng. 150 Shakespeare.....	5 credits
Eng. 33 Intro. to Fiction.....	3 "	Choice of 22 credits in English	
Eng. 34 Intro. to Drama.....	3 "	including 10 upper div.....	22 "
Eng. 54, 55, 56, Survey of English Lit.	9 "	Total.....	45 credits

GROUP B

Journ. 31, 32, Newswriting.....	6 credits	Fiction, Drama or	
Journ. 33 Copy Reading.....	3 "	Eng. 54, 55, 56 Survey of English Literature	9 credits
Journ. 34 Feature & Editorial Writing	3 "	Choice 11 cr. from following:	
Journ. 36 Laws of Press.....	2 "	Journ. 50, 51, 70, 90, 101, 170, 172, 174	
Journ. 37 Newspaper Makeup.....	2 "	English 40, 194, 195.....	11 "
Journ. 41, 42, 43 Reporting.....	9 "	Total.....	45 credits
Eng. 30, 33, 34 Intro. to Poetry,			

Supporting requirements for the degree of Bachelor of Arts:**GROUP A**

Choice of 45 credits from the following:

French 1, 2, 3, 4, 5, 6	Sp. 116 Hist. of Theater
German 1, 2, 3, 4, 5, 6	Sp. 117 Contemporary Theater
Foreign Lit. in Translation	Geog. 1 Elements
Eng. 51 Intro. to the Study of Languages	Geog. 57 Northwest Geography
Phil. 51 Intro. to Philosophy	Geog. 109 Political
Phil. 53 Intro. to Ethics	Geog. 113 Europe
Phil. 195 Semantics	History—All courses

GROUP B

Choice of 45 credits from the following:

Econ. 14, 15, 16 Typing*	Econ. 136 Business Law
Econ. 62 Prin. of Econ.	Econ. 150 Econ. Hist. Europe
Econ. 108 Econ. Hist. U. S.	Gen. Ed. 51 Intro. to the Study of Languages
Econ. 123 Labor Probs. & Legislation	Geog. 1 Elements
Econ. 126 Hist. & Prob. Labor Move.	Phil. 51 Introduction
Geog. 103 Commodities & Trade	Phil. 53 Ethics
Geog. 104 N. America	Phil. 195 Semantics
Geog. 109 Political	Pol. Sci. 67 Am. Gov't.
Geog. 117 Resources & Conservation	Pol. Sci. 127 Compar. Gov't.
Geog. 119 Overseas America	Pol. Sci. 128 International Relations
Hist. 1, 2, 3, U. S.	Psych. 1 General
Hist. 53 Europe, 19th Century	Psych. 136 Social
Hist. 114 Inter-American Relations	Psych. 140 Abnormal
Hist. 119 Far East	Phys. 60, 160 Photography
Hist. 54, 20th Century Europe	Soc. 61 General
Hist. 125 Diplomatic U. S.	Soc. 122 Contemporary Social Probs.
Hist. 131 British Expansion	

*Required unless the student is able to type.

NOTE: Other courses may be offered in support of the major, subject to the approval of the major counselor or the registrar.

NOTE: Students who plan to become candidates for masters' degrees are advised to complete two years of a modern foreign language.

NOTE: Students who wish to qualify for both the degree of Bachelor of Arts and the degree of Bachelor of Arts in Education can count the following courses (31 credits) as part of the supporting requirements (45 credits) for the English major:

Ed. 134 Social Foundations	P.H.E. 1 Health Fundamentals
Ed. 178 Curriculum	Psych. 1 General Psychology
Hist. 63 Wn. History and Government	Psych. 155 Child Development
H. Ec. 56 Nutrition	

Academic major requirements for the degree of Bachelor of Arts in Education:**GROUP A**

Humanities 1, 2, 3, Integrated Humanities	15 credits	Choice of 30 credits in English.....	30 credits
Total.....		Total.....	45 credits

GROUP B

Same as for the degree of Bachelor of Arts.

Minor requirements for the degree of Bachelor of Arts in Education:

Choice of 15 or 30 credits from the major not used to meet other requirements.

COURSE DESCRIPTIONS

Humanities 1, 2, 3. Integrated Humanities. Art, Literature, Music, and Philosophy principal sources for instructional materials. Fall, winter, and spring quarters. Five credits each quarter. Miller and Staff.

Eng. 1, 2, 3. Composition. Basic principles of English usage. Study and practice in reading comprehension, clear and effective writing, the use of the library, the preparation of papers and reports, and analytical criticism. The work is adjusted to different levels of ability; individual conferences and laboratory type of procedure are employed. Subject matter is closely integrated with problems of current interest and with work in other subjects. Three credits each.

Eng. 6. Writing Clinic. Diagnostic and remedial work in mechanics and principles of organization. Conferences by arrangement. Registration clearance by department head required. No credits.

Eng. 8. Report Writing. Intensive and advanced work in techniques of library research and the preparation of reports based on research, experiment, or field-gathered data. Three credits.

Eng. 30. Introduction to Poetry. Study of the qualities and character of poetry, poetic methods and types, with a view to the development of understanding and appreciation. *Prerequisite:* Eng. 2. Three credits.

Eng. 33. Introduction to Fiction. Short stories and novels presented for appreciation of story in literature. *Prerequisite:* Eng. 2. Three credits.

Eng. 34. Introduction to Drama. Types of dramatic literature and their development. Representative plays. *Prerequisite:* Eng. 2. Three credits.

Eng. 39. Directed Reading. Individual reading and conferences designed primarily for the non-English-major, with a view to developing his literary background. Two-four credits.

Eng. 40. The Short Story. The development and analysis of the short story. Open to all. Two credits.

Eng. 51. Introduction to the Study of Languages. The development and differentiation of the languages of Europe, including historical changes and comparison of language forms. Especially recommended for modern language majors, but open to all students. Alternate years; offered in 1949-50. Three credits.

Eng. 54, 55, 56. Survey of English Literature. A comprehensive view of cultural development in Europe as reflected especially in the literature of England. *Prerequisite:* Eng. 2. Three credits each.

Eng. 102. Literature for the Junior High School. Materials, objectives, methods of presentation and coordination. *Prerequisite:* Eng. 2. Three credits.

Eng. 103. Children's Literature. An introduction to the field of story and verse for children. Objectives, evaluation, methods of presentation. *Prerequisite:* Eng. 2. Three credits.

Eng. 104. English in the Public School. A study of teaching methods and orientation in the language arts programs of the elementary, junior high, and senior high school. Consideration of the most successful means of developing comprehension in reading, appreciation of literature, and effectiveness in oral and written communication. Coordination of the entire language arts program within itself and with the other subject matter fields. For all upper division and graduate teacher education students. *Prerequisite: Junior standing.* Five credits.

Eng. 131. Modern Poetry. Reading and discussion of the chief British and American poets of the 20th Century, their trends and values. *Prerequisite: Eng. 30.* Three credits.

Eng. 135. The Development of the Novel. The development of the novel from European prototypes, with analysis of novels of England and America. Alternate years; offered 1949-50. Three credits.

Eng. 136. The Nineteenth Century Novel. A survey of the Chief English novelists of the 19th Century, with reading and reports on their works. Scott, Austen, Dickens, Thackeray, Eliot, the Brontes, Meredith, and Hardy. Alternate years; offered 1949-50. Three credits.

Eng. 140. Chaucer. Reading and interpretation of the chief poetry of Geoffrey Chaucer. Three credits.

Eng. 150. Shakespeare. Reading and interpretation of the principal comedies, histories and tragedies of Shakespeare, intensive study of one play. *Prerequisite: Eng. 2; Sophomore standing.* Five credits.

Eng. 152. Elizabethan Drama. Exclusive of Shakespeare, the drama of the Age of Elizabeth, especially Marlowe, Johnson, Ford, Beaumont and Fletcher, and Webster. Alternate years; not offered 1949-50. Three credits.

Eng. 154. Elizabethan Literature. The chief non-dramatic poetry and prose writers of the 16th Century, with special emphasis on Sidney, Lyly, and their contemporaries. Alternate years; offered 1949-50. Three credits.

Eng. 155. Spenser. The Faerie Queene and other works of Edmund Spenser, studied with the objective of developing an understanding of the Renaissance mind and times and an appreciation of Spenser's value in our own times. Alternate years. Not offered in 1949-50. Three credits.

Eng. 156. Ibsen and Shaw. A full study of the two most widely influential 19th Century dramatists, and a study of their influences upon subject matter, staging, and dramatic techniques. *Prerequisite: Eng. 34, Sophomore standing.* Three credits.

Eng. 158. Modern Drama. The chief contemporary dramatists. Study of trends and developments in subject matter, staging, and dramatic techniques. *Prerequisite: Eng. 34; Sophomore standing.* Three credits.

Eng. 165. Seventeenth Century Literature. The poetry and prose of Bacon, Donne, Milton and their contemporaries. Alternate years; not offered 1949-50. Three credits.

Eng. 172. Eighteenth Century Literature. The poetry and prose of the chief writers of the Restoration and Eighteenth Century in England. Alternate years; offered 1949-50. Three credits.

Eng. 174. The Romantic Movement. The rise of romanticism and the philosophy of the democracy; the chief English romantic poets, especially Blake, Wordsworth, Byron, Keats, and Shelley. Three credits.

Eng. 180. American Literature to 1860. The literature of America from colonial times to the Civil War, with emphasis on the New England renaissance. Five credits.

Eng. 181. Modern American Literature. The literature of America from the Civil War to the present day, with emphasis on the prose and poetry of the realistic movement. Five credits.

Eng. 186. Twentieth Century European Literature. Chief figures, works, and trends of the present century in Europe. Three credits.

Eng. 187. Twentieth Century American Literature. Chief figures, works, and trends of the present century in America. Three credits.

Eng. 193. Literary Criticism. The history and development of literary attitudes and criteria. Three credits.

Eng. 194. Writing for Publication. Organization and development of the non-fiction article for commercial or professional magazine. Special emphasis may be placed on the professional education journals. Plot development and technique of the fiction story. May be repeated for credit. *Prerequisite: Consent of the instructor and recommendation of the last composition instructor. Minimum composition background, Eng. 1. If no high school journalism, Journ. 31 recommended.* Three credits.

Eng. 195. Semantics. An approach to the problems of straight thinking and accurate, effective communication of thought through a study of language; symbols and meanings. Three credits.

Eng. 196. Development and Use of the English Language. The anatomy of modern English, its history, the study of semantics. Five credits.

Eng. 197. English Syntax. A review of fundamental constructions and grammatical relationships in the sentence; a modern, functional approach. Recommended for all who plan to teach. *Prerequisite: Junior standing.* Three credits.

FRENCH



Instructor Davis

NOTE: For Basic Requirements see Part II.

See Modern Languages Major Requirements.

COURSE DESCRIPTIONS

French 1, 2, 3. First Year French. Grammar, composition, reading of simple texts. Students must begin work in the fall quarter. Five credits a quarter.

French 4, 5, 6. Second Year French. Further study of syntax, composition, rapid reading of texts. The course must be begun in fall quarter and continued throughout the year. *Prerequisite: Three quarters or two semesters of French.* Five credits a quarter.

French 10. French Diction. A study of pronunciation especially for singers and as a review for other students. No previous knowledge of the language is required. One credit.

French 107, 108, 109. Readings from French Literature Conversation. Rapid sight reading. Review of French idioms and grammatical constructions as they appear in the readings and conversations. Material given in preparation for taking language examinations required for the M.A. and Ph. D. degrees. Three credits each.

French 110, 111, 112. Study of French Civilization and Culture. More advanced reading of French literature. Class conducted entirely in the French language. Three credits each.

Humanities 51. Introduction to the Study of Languages. The development and differentiation of the languages of Europe, including historical changes and comparison of language forms. Especially recommended for modern language majors, but open to all students. Three credits.

GENERAL SCIENCES

Major requirements for the degree of Bachelor of Arts:

Biol. 51, 52, 53 Zoology.....	12 credits	Choice Biol. Chem., Geol.,	
Biol. 61, 62, 63 Botany.....	12 "	Physics	6 credits
Chem. 51, 52, 53 General.....	15 "		
Physics 61 62, 63 General.....	15 "	Total.....	60 credits

Supporting requirements for the degree of Bachelor of Arts:

Math. 54, 55, 56, College Algebra, Trigonometry, Analytical Geometry.....	15 credits
---	------------

Major requirements for the degree of Bachelor of Arts in Education:

Biol. 51, 52, 53 Zoology or Biol. 61, 62, 63 Botany.....	12 credits
Chem. 51, 52, 53 General or Physics 61, 62, 63 General.....	15 "
Math. 54, 55, 56 College Algebra, Trigonometry, Analytical Geometry.....	15 "
Choice in Biology, Chemistry, Geology, Physics.....	3 "
Total.....	45 credits

NOTE: *Students who plan to become candidates for master's degrees should not choose such correlated majors as General Sciences without being sure that such majors will be available to them for graduate study. Such students should also complete two years of a modern foreign language.*

GEOGRAPHY AND GEOLOGY



Professor Freeman; Assistant Professor Pence;
Instructors Dashiell, Schadegg

NOTE: *For Basic Requirements see Part II.*

Major requirements for the degree of Bachelor of Arts:

Geog. 1 Elements.....	5 credits	Geol. 110 El. of Geology.....	3 credits
Geog. 57 Northwest.....	4 "	Choice of 30 cr. in Geog.....	30 "
Geog. 114 Weather & Climate....	3 "		
		Total.....	45 credits

Recommended supporting courses for the degree of Bachelor of Arts:
Astronomy, Economics, History.

NOTE: *Students who plan to become candidates for master's degrees are advised to complete two years of a modern foreign language, preferably German or French.*

Academic major requirements for the degree of Bachelor of Arts in Education:

Same as for the degree of Bachelor of Arts.

Minor requirements for the degree of Bachelor of Arts in Education:
Choice of 15 or 30 credits in Geography not used to meet other requirements.

COURSE DESCRIPTIONS

Social Studies 7, 8, 9. Integrated Social Studies. Economics, Geography, History, Political Science, and Sociology principal sources for instructional materials. Fall, winter, and spring quarters. Five credits each quarter. Staff.

Geog. 1. Elements of College Geography. The fundamental principles of human adjustment to natural environment. Objectives: (1) to develop in the student the ability to interpret geographic environment in terms of its relation to human activities; (2) to train the student in the selection and organization of essential materials for teaching of geography. All quarters. Five credits. Freeman and Staff.

Geog. 2. World Geography. A survey of the natural regions of the various continents and the resulting human adjustments to varied environments. Includes studies of important place locations. Students who have earned credit in any continent course in Geography are not eligible for credit in Geog. 2. Winter quarter. Five credits. Schadeegg.

Geog. 57. Northwest Geography. An economic study of the contrasted distribution of population and industries in relation to the contrasted geographic environment of the region. Suggestions for various methods of teaching the geography of the state of Washington and adjacent regions. Practical problems to be carried over into the elementary and junior high teaching. Fall, winter, and summer quarters. *Prerequisite:* Geog. 1. Four credits. Freeman.

Geog. 102. Materials and Techniques of Geographic Education. Of practical importance. Ways of presenting geographic materials and sources of information and materials for geography teachers. Alternate summers and winters. Three credits. Schadeegg.

Geog. 103. Economic Geography. The location and production of essential commodities in the United States, and the geographic features affecting their production and distribution. A geographic study of the commerce of foreign countries and world trade. Winter and summer quarters. Four credits. Schadeegg.

Geog. 104. North America. A study of the geographical characteristics of the regions of the continent (excluding Mexico) with their varied economic life, physical environments and cultural development. *Prerequisite:* Geog. 1. Fall and alternate summer quarters. Four credits. Staff.

Geog. 105. South America. A regional study of the continent emphasizing our commercial relations with South America, and the social, economic, and political problems in relation to natural environment in the various regions. *Prerequisite:* Geog. 1. Fall and alternate summer quarters. Three credits. Spring staff.

Geog. 108. Historical Geography of the United States. The general aspects of the changing landscapes accompanying the expansion of the American frontiers, and the development of American life. Special attention to the advance of settlement, the origins and rise of cities and industrial belts, and the development of the transportation network. Alternate years. Three credits. Staff.

Geog. 109. Political Geography. A study of the geography of different parts of the world in relation to zones of conflict, with special attention to the problems of Europe. Of special value to teachers in the interpretation and correlation of geography and history. *Prerequisite:* Geog. 1. Winter quarter. Three credits. Staff.

Geog. 111. Asia. A regional study of the continent, with attention to relationships between economic activities and natural environment in the various geographic regions and countries. *Prerequisite:* Geog. 1. Winter quarter. Four credits. Freeman.

Geog. 112. Africa. A regional study of Africa and the industries and culture of the people as related to the environment. *Prerequisite:* Geog. 1. Winter and alternate summer quarters. Three credits. Freeman.

Geog. 113. Europe. A study of the economic and political development of peoples as related to natural and non-environmental conditions in Europe. *Prerequisite:* Geog. 1. Fall and alternate summer quarters. Four credits. Staff.

Geog. 114. Weather and Climate. The principles of meteorology. The study of climatic divisions of the earth and their relations to human activities. Special attention to construction and interpretation of weather maps and climatic charts. *Prerequisite:* Geog. 1. Fall quarter. Three credits. Schadegg.

Geog. 115. Geography of the Pacific. The oceanic islands, coasts, trade routes, geographic influences, and commercial, economic and political problems of the Pacific. *Prerequisite:* Geog. 1. Spring and alternate summer quarters. Three credits. Freeman.

Geog. 117. Resources and Their Conservation. Special emphasis placed upon the conservation of mineral resources, timber supply, soil fertility. Land planning in relation to conservation. Problems of land use. Spring and alternate summer quarters. Three credits. Schadegg.

Geog. 119. Overseas America. Problems and strategic importance of Alaska, Hawaii, Panama, Philippines, possessions and bases in the Caribbean, etc. *Prerequisite:* Geog. 1. Alternate years. Three credits. Freeman.

Geog. 120. Field Trips. Six all-day (usually Saturday) or afternoon field trips in geology and geography to Grand Coulee, "Hole-in-the-Ground," and other places. No prerequisite. Summer quarter. One credit. This course may be taken twice for credit if different trips are offered. Staff.

Geog. 121. Advanced Field Trips. A two-week excursion, taken during the summer to places of special geographic interest and importance. Intensive study of geologic and geographic conditions during the trip. Two or three credits. Staff.

Geog. 123. Middle America. Regional studies of the West Indies, Mexico, Central America, and the Caribbean area. *Prerequisite:* Geog. 1. Alternate years. Spring quarter. Three credits. Staff.

Geog. 124. Physiography of Western United States. The influence of geology on man's activities. Scenic features of the west. *Prerequisite:* Geog. 1. *Elements of Geology* also desirable. Three credits. Freeman.

Geog. 125. Physiography of the Eastern United States. Origin and relationship of the physical features of the region. *Prerequisite:* Geog. 1. *Elements of Geology* desirable. Three credits. Freeman.

Geog. 127. Cartography. The construction and interpretation of maps and other graphic methods of presenting geographical and statistical information. Alternate years. Three credits. Staff.

Geol. 110. Elements of Geology. Considers the origin and development of surface features of the earth, and briefly studies the probable evolution of life upon the earth and the historical geology of North America. Students learn to identify common rocks and minerals, and to use topographic maps. Field trips taken to nearby places of interest. Spring and alternate summer quarters. Three credits for class work. Two extra credits for laboratory work. Freeman.

Geol. 150. Economic Geology. Considers the origin, location and exploitation of coal, petroleum, ore deposits and other mineral resources. *Prerequisite:* *Elements of Geology*. Alternate years. Five credits. Freeman.

Geol. 160. Historical Geology. Considers the geologic development of the world with particular attention to North America and the Pacific Northwest. Describes the fossil plants and animals of different geological eras and periods. *Prerequisite:* *Elements of Geology*. Alternate years. Three credits. Freeman.

GERMAN



Instructor Hepperle

NOTE: For Basic Requirements see Part II.

See Modern Languages Major Requirements.

COURSE DESCRIPTIONS

German 1, 2, 3. First Year German. Grammar, composition, reading of simple texts. Students must begin work in the fall and continue it throughout the year. Five credits a quarter.

German 4, 5, 6. Second Year German. A rapid review of syntax, reading of magazines, newspapers, and texts. To be taken consecutively beginning with the fall quarter. Fall, winter and spring quarters. Five credits a quarter.

German 7. Conversation, pronunciation, idiom, practice for speaking, readiness. *Prerequisite:* German 3. Three credits.

German 10. German Diction. A study of pronunciation especially for singers and as a review for other students. No previous knowledge of the language is required. One credit.

German 60. Introduction to Scientific German. Reading in various scientific fields. *Prerequisite:* German 4 or instructor's permission. Three credits.

German 108, 109. Introduction to the Classical Period. Study of the works, principally dramatic, of Lessing, Goethe, and Schiller. A unit sequence; credit is given for both courses. *Prerequisite:* two years of German or instructor's permission. Winter and spring quarters. Three credits a quarter.

German 110 Novellen. The German short novel of the nineteenth century. Two credits.

German 112. Nineteenth Century Drama. Representative dramatists, such as Kleist, Hebbel, and Grillparzer. *Prerequisite:* German 6, or instructor's approval. Three credits.

German 120. Survey of German Literature. From earliest times to present. (English). Three credits.

German 125. Goethe: His Life and Important Works. (In English). Three credits.

Humanities 51. Introduction to the Study of Languages. The development and differentiation of the languages of Europe, including historical changes and comparison of language forms. Especially recommended for modern language majors, but open to all students. Three credits.

HISTORY

Professors Kingston, Ludwig; Assistant Professors Dryden, Payne, Stewart; Instructor Montagno

NOTE: *For Basic Requirements see Part II.*

Major requirements for the degree of Bachelor of Arts: Choice of 45 credits in History.

Supporting requirements for the degree of Bachelor of Arts:

Choice of 30 credits from the following:

French, German or Spanish 1, 2, 3, 4, 5, 6	Econ. 108 Econ. Hist. of U. S.
Geo. 1 Elements	Econ. 150 Hist. Eur.
Geog. 2 World	Pol. Sci. 67 American Government
Geog. 103 Commodities & Trade	Pol. Sci. 128 International Relations
Geog. 109 Political	Soc. 61 General
Econ. 62, 63 Intro. to Econ.	

NOTE: *Students who plan to become candidates for master's degrees are advised to complete two years of a modern foreign language.*

Academic major requirements for the degree of Bachelor of Arts in Education:

Same as for the degree of Bachelor of Arts.

Minor requirements for the degree of Bachelor of Arts in Education: Choice of 15 or 30 credits in History not used to meet other requirements.

COURSE DESCRIPTIONS

Social Studies 7, 8, 9. Integrated Social Studies. Economics, Geography, History, Political Science, and Sociology principal sources for instructional materials. Fall, winter, and spring quarters. Five credits each quarter. Staff.

Hist. 1. United States 1606-1815. The Formation of the Republic. The settlement of the American colonies, the American Revolution, the establishment of the new government, the breakdown of the confederation and the building of the Constitution, and the final establishment of American independence as a result of the Second War with England. Fall quarter. Five credits. Dryden, Stewart.

Hist. 2. United States 1815-1898. The Development of the Nation. Growth of the American nation, manifest destiny, the slavery controversy and the Civil War, reconstruction, the disappearance of the frontier and the emergence of industrial America. Winter quarter. Five credits. Dryden, Stewart.

Hist. 3. Twentieth Century America. The development of the United States since 1896, the epoch of imperialism and our emergence as a World Power. In domestic affairs, emphasis will be given to the "progressive era," the great depression and the "New Deal." Five credits. Stewart.

Hist. 25. The Near and Middle East. Origin, expansion and growth of countries bordering on the east Mediterranean. Emphasis on development of political and social institutions, the spread of Islam, and effects of this area on modern world problems. Four credits. Dryden.

Hist. 40. Great Names in American History. Biographical sketches of some of the outstanding characters in American history with special reference to their unique contributions. Three credits. Dryden.

Hist. 45. History of Africa. Consideration of native peoples, Egypt and its influence upon the cultures of the world, the Greeks, Phoenicians, Romans, Vandals, and Mohammedans. Re-discovery of Africa, and its partition. The future of the Dark Continent. Three credits. Dryden.

Hist. 50. Early Civilization and the Classical Period. The early Mediterranean background and the classical civilization of Greece and Rome to the end of the Roman Empire of the West. Fall quarter. Four credits. Dryden.

Hist. 51. Western Europe, the Medieval Period. A general survey of the social and political institutions of western Europe from the fifth century to 1500. Winter quarter. Four credits. Dryden.

Hist. 52. Early Modern Europe. A basic survey of national developments and general political, economic, social and intellectual forces in European history from 1500 to 1815. Five credits. Payne.

Hist. 53. Continuation of History 52, from 1815 to 1914. Five credits. Payne.

Hist. 54. Europe since 1914, with emphasis upon the international issues which led to World War II and its aftermath. Five credits. Payne.

Hist. 63. Washington State History and Government. Historical development of the Territory and State of Washington, local government, state government, the State Constitution, etc. This course meets the state requirements for all teachers. All quarters. Three credits. Dryden, Kingston.

Hist. 70. The Contemporary World, Day to Day. A consideration of national and world events as they occur with emphasis on their significance. Emphasis will be on the understanding of the facts behind the events and on the ability to distinguish facts from propaganda and opinion. Three credits per term. Stewart.

Hist. 80. The South in American History. A study of the role of the southern states in the development of the American nation. Particular attention to the "Old South" and its psychology, especially in its attitude toward slavery and state's rights. The effect of the Solid South upon the contemporary American scene will be stressed. *Prerequisite:* Hist. 1 or 2. Four credits. Stewart.

Hist. 107. Northwest History. Exploration of the Pacific Northwest, fur trade, missionary period, gold discoveries, railroad building, industrial development and political history, with special reference to Washington. Winter quarter. Four credits. Kingston.

Hist. 111. British North America. An outline of the history and development of the political institutions of Canada. Three credits.

Hist. 112. Colonial Hispanic-America. An outline of Spanish and Portuguese settlements in the western hemisphere, the colonial institutions of the continent, the causes and results of the Wars of Independence. Fall quarter. *Prerequisite:* Junior standing. Three credits. Stewart.

Hist. 113. Republican Hispanic-America. A study of the more important events in Hispanic-American history since independence. Considerable emphasis on institutional development and particular attention to the more recent period. Winter quarter. *Prerequisite:* Hist. 112. Three credits. Stewart.

Hist. 114. Inter-American Relations. The international relations of the countries of Hispanic-America with Europe and Asia, with the United States and among themselves. The growth of Pan-Americanism and the Good Neighbor Policy. Spring quarter. *Prerequisites:* Hist. 1 and 2. Three credits. Stewart.

Hist. 118. Modern Russian History. The economic, social, and cultural phases of Russian history since the revolution of 1917, with a review of the imperial period as background. Winter quarter. Five credits. Dryden.

Hist. 125. History of American Foreign Policy. (Formerly Diplomatic History of the United States). A study of the major foreign policies of the United States concentrating upon those of Neutrality, the Monroe Doctrine and the Open Door. *Prerequisites:* Hist. 1 and 2. Five credits. Stewart.

Hist 128 I. History of Germany. Germany, from 800 to unification of the German Empire in 1871. Emphasis will rest upon the rise of Prussia and the intellectual, social, economic and political currents induced in Central Europe by the French Revolution. Four credits. Payne.

Hist. 128 II. History of Germany. Germany, 1871 to the present. Special attention will be paid to the antecedents of Nazism before and after World War I, the rise of Hitler, the Nazi dictatorship, and World War II. *Prerequisite:* Hist. 128a. Four credits. Payne.

Hist. 130. History of England. A study of the various aspects of English history from the Roman conquest to the present, including social, cultural, economic, and constitutional development. Five credits. Dryden.

Hist. 131. History of British Expansion. The story of British overseas expansion from the sixteenth century through World War I, with special reference to motives, methods, and colonial government. A knowledge of English history is presumed. Five credits. Payne.

Hist. 134. The Mediterranean World. The political, social and economic aspects of civilization which have influenced world history from ancient times to the present. Spring quarter. Five credits. Dryden.

Hist. 140. Central Europe and the Balkans. A general survey of the evolution of Central Europe and the Balkans Peninsula, emphasizing the peoples and problems of the Danubian and Balkans areas. From the sixteenth century to the present. Four credits. Payne.

Hist. 147. History of Southern Asia. The historical development of the following areas and countries in modern times: Asiatic Turkey, the Arabian Peninsula, Egypt, Iraq, Iran, India, Burma, Siam, Indo-China, and the island groups off the southeast coasts of Asia; imperialism, natural resources, colonial policies, the Moslem movement and the present conflicts centering in the so-called backward areas. Five credits. Ludwig.

Hist. 151. The Social and Intellectual History of the United States. A survey of the life of the individual American during various periods of our history, what he had to eat, how he lived, the books he read, the position of women, the public schools and other situations and institutions affecting the life of the child, etc. Especially intended for teachers and those preparing to teach. Summer quarter. *Prerequisites:* Hist. 1 and 2, or consent of the instructor. Five credits. Stewart

Hist. 155. The Literature of American History. The study and discussion of some of the great literary classics of American history and their relation to the period represented. Not a study of documents but of the literary works which affected the course of American history or were affected by it. The emphasis will be on the way the history of a people is affected by the arts and in turn affects them. Especially intended for teachers and for students majoring in history. Five credits. Stewart.

Hist. 119. The Far East. This course aims to present the salient facts and historical patterns connected with the political, economic, and cultural development of the Chinese and Japanese Empires down to modern times, together with a survey of Far Eastern International relations and Commitments involving the Western Powers. *Prerequisite:* Hist. 51 or Hist. 52 or Hist. 53. Fall and summer quarters. Five credits. Ludwig.

Hist. 122. County and Regional History. Readings, study, and writing in selected fields of interest in the history of the Pacific Northwest. The preparation of notes, references and bibliographies. Work on the individual student basis. *Prerequisite:* Hist. 107. May be taken any quarter. Three credits. Kingston.

Hist. 158. Teaching the Social Studies in the Upper Grades. The objectives, teaching methods, and content of the social studies program. This course is one which should be taken by social studies majors who intend to teach in the upper grades or the junior high school. (This course also listed as Ed. 158). Four credits. Fisher.

Hist. 159. History of the American Frontier. The development of the United States as seen in its advancing frontier. The results upon the political, social and cultural development of the nation will be emphasized. An opportunity for original research and investigation in the field will be afforded. *Prerequisites:* Hist. 1 and 2, or consent of the instructor. Five credits. Stewart.

Hist. 160. The Great Plains. A study of the peculiar features indigenous to the region of the Great Plains and their effect upon the development of the American way of life. Individual research will be emphasized. *Prerequisite:* Hist. 159. Three credits. Stewart.

Hist. 163. History of American Nationalism. The meaning of nationalism, the rise of modern nationalism, manifestations of nationalism in the United States, such as in the formation of the Confederation and the Constitution, and in the period of the New Nationalism. Three credits. Dryden.

Hist. 170. Introduction to Historical Research. Intended for history majors, the emphasis will be on the methods and problems of research in the various fields of history. The Seminar method will be used. *Prerequisite:* Consent of the instructor. Three credits. Stewart.

Hist. 175. Contemporary America. A consideration of American civilization as it is in the Twentieth Century. Attention will be given to American traditions, the role of labor and big business, in fact to all factors which go to make up the complicated thing we know as the American way of life. Daily. Five credits. Upper Division and Graduate students only. Stewart.

Hist. 185. French Revolution and Napoleonic Era. A study of revolution as a dynamic process of change in the modern world. Four credits. Payne.

Hist. 190-I. European Diplomatic History 1848-1914. A study of international rivalries, in relation to the causes of World War I. *Prerequisite:* Hist. 53. Four credits. Payne.

Hist. 190-II. European Diplomatic History, 1914 to the Present. A study of international rivalries, with reference to the unsolved problems of World War I and the origins and effects of World War II. *Prerequisite:* Hist. 54. Four credits. Payne.

Hist. 195. Italy Since the Eighteenth Century. A study of the development of nationalism on the Italian Peninsula, the unification of modern Italy, and Italian problems to the present. Four credits. Payne.

Hist. 198. France Since the Revolution, 1789 to the Present. Political and social history of modern France, with special reference to the unsolved problems created in subsequent French evolution by the French Revolution. Five credits. Payne.

HOME ECONOMICS



Associate Professor Anderson; Assistant Professor Phillips;
Instructor Hunt

NOTE: For Basic Requirements see Part II.

Major requirements for the degree of Bachelor of Arts:

For students majoring in Home Economics a variety of programs is possible. The college desires to maintain a maximum of individual flexibility in the development of each student's major program, but recognizes that such programs within the Home Economics major will naturally fall within the following groups. The following suggested group patterns are expected to meet the needs of most students; other patterns may be developed under the guidance of the student's counselor.

GROUP A

H. Ec. 53, 54 Foods.....	10 credits	H. Ec. 70 Clothing.....	5 credits
H. Ec. 56 Nutrition.....	3 "	H. Ec. 172 Adv. Clothing.....	5 "
H. Ec. 154 Experimental		H. Ec. 178 Pattern Design.....	4 "
Cookery	5 "	H. Ec. 168 Adv. Textiles.....	3 "
H. Ec. 159 Home Mgt.....	3 "	H. Ec. 179 Tailoring.....	5 "
H. Ec. 160 Consumer Ed.....	3 "	H. Ec. 77 Clothing Selection.....	3 "
H. Ec. 164 Adv. Nutrition.....	3 "	H. Ec. 177 Historic Costumes.....	3 "
H. Ec. 168 Child Care.....	3 "		
H. Ec. 68 Textiles.....	4 "	Total.....	62 credits

GROUP B

H. Ec. 53, 54 Foods.....	10 credits	H. Ec. 164 Adv. Nutrition.....	3 credits
H. Ec. 56 Nutrition.....	3 "	H. Ec. 168 Child Care.....	3 "
H. Ec. 154 Experimental Cook.....	5 "	Choice of 15 cr. in H. Ec.....	15 "
H. Ec. 159 Home Mgt.....	3 "		
H. Ec. 160 Consumer Ed.....	3 "	Total.....	45 credits

GROUP C

H. Ec. 68 Textiles.....	4 credits	H. Ec. 179 Tailoring.....	5 credits
H. Ec. 70 Clothing.....	5 "	H. Ec. 77 Clothing Selection.....	3 "
H. Ec. 172 Adv. Clothing.....	5 "	H. Ec. 177 Historic Costume.....	3 "
H. Ec. 178 Pattern Design.....	4 "	Choice of 13 cr. in H. Ec.....	13 "
H. Ec. 168 Adv. Textiles.....	3 "		
		Total.....	45 credits

Supporting requirements for the degree of Bachelor of Arts:

Art 5 Design & Color I.....	3 credits	Chem. 51, 52, 53, General.....	15 credits
Art 21 Interior Decoration I.....	2 "	P.H.E. 125 Physiology.....	5 "
Biol. 120 Bacteriology.....	4 "		
		Total.....	29 credits

Recommended for basic, supporting, and free elective purposes for the degree of Bachelor of Arts:

Art 1 Introduction	P.H.E. 102 Personal Hygiene
Biol. 51, 52, 53 Zoology	Psych. 1 General
Biol. 121 Genetics	Psych. 155 Child Development
Econ. 62, 63 Introduction to Economics	Soc. 1 General Sociology
French 1, 2, 3, 4, 5, 6	Spanish 1, 2, 3, 4, 5, 6
I. A. 150, 151 Architect. Draw.	

Academic major requirements for the degree of Bachelor of Arts in Education:

H. Ec. 68 Textiles.....	4 credits	H. Ec. 160 Consumer Ed.....	3 credits
H. Ec. 70 Clothing.....	5 "	H. Ec. 168 Adv. Textiles.....	3 "
H. Ec. 172 Adv. Clothing.....	5 "	H. Ec. 163 Methods in H. Ec.....	3 "
Choice of two:		H. Ec. 164 Student Teaching....	3 "
H. Ec. 53, 54, 154 Foods.....	10 "	Choice of 6 cr. in H. Ec.....	6 "
H. Ec. 159 Home Mgt.....	3 "		
		Total.....	45 credits

Minor requirements for the degree of Bachelor of Arts in Education:
Choice of 15 or 30 credits in Home Economics not used to meet other requirements.

NOTE: *Students who plan to become candidates for master's degree are advised to complete two years of a modern foreign language.*

COURSE DESCRIPTIONS

Home Ec. 53.—Foods. A study of the composition of foods, nutritive value, principles of cooking, and the place in the diet. Fall quarter. Five credits. Hunt.

Home Ec. 54. Foods. Continuation of Home Ec. 53. An intensive study of the food supplying proteins, and of table service for breakfasts, dinners, luncheons, teas, decoration and practical experience in serving. Fee \$6.00. Winter quarter. Five credits. Hunt.

Home Ec. 56. Nutrition. The fundamental principles of nutrition; a study of processes of digestive metabolism and the nutritive requirements of the body under various conditions of age and health and the planning of dietaries to meet these requirements of different cost levels. *Open to men as well as women.* All quarters. Three credits. Staff.

Home Ec. 68. Textiles. Study of selection, purchase and use of fabrics. *Prerequisite to all clothing courses.* All quarters. Four credits. Fee \$1.00. Stevens.

Home Ec. 70. Clothing. Study of selection and construction of articles of clothing to develop skill, taste and wise expenditure. *Prerequisite: Home Ec. 68. (Prerequisite waived for Home Ec. minors).* Fee 50c. Fall and winter quarters. Five credits. Phillips.

Home Ec. 77. Clothing Selection. Study of becoming and appropriate clothes, and the making of a clothing budget. Fall and spring quarter. Three credits. Phillips.

Home Ec. 154. Experimental Cookery. Study of special food problems. Each student selects some piece of work concerned with food. Fee \$6.00. Spring quarter. Five credits. Hunt.

Home Ec. 159. Home Management. The management of household operations; systematic planning of daily routine; labor-saving equipment; food planning, marketing; the apportionment of the income through the family budget; the woman and the standard of living; her responsibility to the family, and other modern problems. Fall quarter. Three credits. Hunt.

Home Ec. 160. Consumer Education. Backgrounds and philosophies of consumer education with some specific emphasis upon choices of food, clothing and household furnishings. Spring quarter. Three credits. Anderson.

Home Ec. 162. Serving. Table service for breakfasts, luncheons, dinners, teas, and special occasions, including menu planning, table setting, table decorations, and practical experience in serving. Fee \$1.50. Fall quarter. Three credits. Anderson.

Home Ec. 163. Methods in Home Economics. A survey of the present-day objectives in the field of Home Economics with the methods of presenting them in elementary and junior high school teaching. *Prerequisites:* Home Ec. 53, 54, 70, 172. Spring quarter. Three credits. Anderson. Phillips.

Home Ec. 164. Student Teaching in Home Economics. Practical experience in conducting the Home Economics classes of the Elementary School. *Prerequisites:* Home Ec. 53, 54, 68, 70, 156, 172. All quarters. Credits to be arranged. Anderson. Phillips.

Home Ec. 166. Advanced Nutrition. Continuation of Home Ec. 56. A study of food requirements in health and disease from infancy to old age. *Prerequisite:* Home Ec. 56. Fee \$1.00. *Open to men as well as women.* Fall quarter. Three credits. Two lectures and two laboratory periods a week. Anderson.

Home Ec. 168. Advanced Textiles. Historic and modern real lace, machine lace, embroideries, tapestries, furs. *Prerequisite:* Home Ec. 68. Three credits. Stevens.

Home Ec. 169. Methods in Nutrition. Recent trends in teaching nutrition in Elementary and Junior high schools. *Prerequisite:* Home Ec. 56. Winter quarter. Three credits. Fee \$1.00. Anderson.

Home Ec. 172. Advanced Clothing. Dress design and construction. *Prerequisite:* Home Ec. 68, 70, 77. Five credits. Fee 50c. Spring and summer quarters. Phillips and Stevens.

Home Ec. 173. Art Needlework. Embroidery stitches and needlework design. Spring and summer quarters. Three credits. Fee 50c. Phillips.

Home Ec. 177. Historic Costume. A study of period costume including adaptations suitable for plays and pageants. Winter and summer quarters. Three credits. Phillips.

Home Ec. 178. Pattern Design. Drafting, draping, and flat pattern designing, with execution of one or more garments. *Prerequisites:* Home Ec. 68, 70, 172. Fall quarter. Four credits. Fee \$2.00. Phillips.

Home Ec. 179. Tailoring. Construction of tailored garments for women. *Prerequisites:* Home Ec. 68, 70, 172, 178. Winter quarter. Five credits. Fee \$2.00. Stevens.

Home Ec. 180. Food Demonstration. Technique of demonstrating as related to food preparation and service. Designed for teachers, homemakers, and those interested in business. Winter. Four credits. Hunt.

Home Ec. 182. Fathers' Class. Six hours given by a doctor on the physical and medical aspects of the phenomena of pregnancy from the time of conception through the birth of the baby—with an opportunity to have your questions answered at each session. Six hours by the public health nurse on the father's role during pregnancy, what to expect of the new born baby, and the principles of his care. One credit. Fall and spring quarters. Staff.

Home Ec. 183. Mothers' Class. A course designed to give a comprehensive understanding of pregnancy, the development of the baby, his delivery and care, with demonstrations. One credit. Fall and spring quarters. Staff.

Home Ec. 184. Food Economics. A study of the production, distribution, marketing and cost of foods. Open to men and women. Winter quarter. Three credits. Hunt.

HUMANITIES

Basic requirements for the degree of Bachelor of Arts:

Eng. 1, 2, 3, Composition.....	9 credits (Freshman Year)
Speech 51 Fundamentals.....	3 credits
Humanities 1, 2, 3 Integrated Humanities.....	15 credits (Freshman Year)
Natural Sciences 4, 5, 6 Integrated Natural Sciences.....	15 credits
Social Studies 7, 8, 9 Integrated Social Studies.....	15 credits (Freshman Year)
Total.....	57 credits

Major requirements for the degree of Bachelor of Arts:

Each student majoring in Humanities is expected to give careful attention to the relationships among the courses chosen for major and supporting purposes, and he should consult his counselor and instructors frequently regarding the most effective means for achieving a synthesis. A Humanities study or 5,000 word paper must be submitted to a faculty committee and a Humanities comprehensive examination completed not less than six weeks preceding graduation.

For students majoring in Humanities a variety of programs is possible. The college desires to maintain a maximum of individual flexibility in the development of each student's major program, but recognizes that such programs within the Humanities major will naturally involve the following courses and choices. The following suggested patterns are expected to meet the needs of most students; other patterns may be developed under the guidance of the student's counselor.

Courses preceded by an asterisk are especially recommended.

Choice of 8 credits from following:	
*Phil. 51 Introduction to Philosophy (5)	Pol. Sci. 68 Introduction to American Government (5)
Phil. 53 Introduction to Ethics (5)	Pol. Sci. 140 History of Political Thought (5)
Phil. 154 Social Ethics (5)	*Psych. 1 General Psychology (5)
Phil. 155 Logic (5)	Psych. 136 Social Psychology (4)
Phil. 195 Semantics (3).....	*Soc. 61 General Sociology (5)
Choice of 14 credits (including not less than 6 in Art and 6 in Music) from the following:	Soc. 121 Social Origins (4)
Art 1 Introduction to Art (4)	Soc. 128 Social Control, Change, Progress (5)
*Art 32 History of Architecture (2)	Soc. 131 Social Thought in Western Civilization (4)
*Art 33 History of Sculpture (2)	Soc. 140 Social Institutions (5)
*Art 34 History of Painting (2)	*Econ. 62 Introduction to Economics (5)
Art 173 Philosophy of Art (3)	*Econ. 63 Introduction to Economics (5)
*Mus. 51 Listening Enjoyment (3)	Econ. 108 Economic History of United States (5)
Mus. 52 Music History I (3)	Econ. 150 Economic Development of Europe (5)
Mus. 53 Music History II (3)	Econ. 180 History of Economic Thought (4)
Mus. 54 Music History III (3)	Hist. 1 United States 1606-1815 (5)
*Mus. 112 Music History IV (3)	Hist. 2 United States 1815-1898 (5)
P.H.E. 113 Theory & Practice in Modern Dance (2)	Hist. 3 Twentieth Century America (5)
P.H.E. 114 Theory & Practice in Modern Dance (2)	Hist. 50 Early Civilization & Classical Period (4)
P.H.E. 115 Advanced Modern Dance (2)	Hist. 51 Western Europe Medieval Period (4)
P.H.E. 116 Advanced Modern Dance (2).....	Hist. 52 Early Modern Europe (5)
Choice of 11 credits from following:	Hist. 107 Northwest (4)
Eng. 30 Introduction to Poetry (3)	Hist. 185 French Revolution & Napoleonic Area (4).....
Eng. 33 Introduction to Fiction (3)	27 credits
Eng. 34 Introduction to Drama (3)	Total.....
*Eng. 150 Shakespeare (5).....	60 credits
Choice of 27 credits (but not to exceed 10 in one field) from the following:	
*Pol. Sci. 67 Introduction to American Government (5)	

Supporting requirements for the degree of Bachelor of Arts:

Choice of 30 credits from following:	
Art	German 108, 109, 120, 125
English and American Literature	History 50, 51, 52, 107, 185
Language (French, German, Spanish—	Home Econ. 177 Historic Costume
one completed year in any one)	Music
Geography: any course in any	Physics 60, 160 Photography
region or continent	Keeping Up With the World

Recommended courses for elective purposes:

History

NOTE: *Students who plan to become candidates for masters' degrees should not choose such correlated majors as Humanities without being sure that such majors will be available to them for graduate study. Such students should also complete two years of a modern foreign language.*

INDUSTRIAL ARTS



Assistant Professors Dales, Lane; Instructor VandeBerg

NOTE: *For Basic Requirements see Part II.*

Major requirements for the degree of Bachelor of Arts:

I.A. 1 Intro. Ind. Arts.....	2 credits	I.A. 124 Art Metal.....	2	"
I.A. 60, 61 Engineering Drawing	6	I.A. 126 Sheet Metal.....	2	"
I.A. 105 Wood Turning.....	2	I.A. 127 Metal Spinning.....	2	"
I.A. 106 Adv. Wood Turning.....	2	I.A. 135 Carpentry.....	2	"
I.A. 110 Wood & Metal		I.A. 140 Machine Woodwork.....	2	"
Finishing	2	I.A. 150, 151 Arch. Draw.....	6	"
I.A. 111 General Metals I.....	2	I.A. 156 Adv. Furn. Const.....	4	"
I.A. 112 General Metals II.....	2	Choice 6 cr. Ind. Arts.....	6	"
I.A. 115 Cabinet Making &				
Furniture Constr.	4	Total.....	50	credits
I.A. 120 Industrial Electricity..	2			

Supporting requirements for the degree of Bachelor of Arts:

Choice of 15 cr. in Math.	Total 24 credits
Choice of 9 cr. in Art	

Academic major requirements for the degree of Bachelor of Arts in Education:

I.A. 1 Intro. Ind. Arts.....	2 credits	I.A. 140 Machine Woodwork.....	2	"
I.A. 60, 61 Engineering Drawing	6	I.A. 150, 151 Arch. Draw.....	6	"
I.A. 105 Wood Turning.....	2	I.A. 156 Adv. Furn. Const.....	4	"
I.A. 110 Wood & Metal		I.A. 174 Org. & Theory of		
Finishing	2	General Shop	2	"
I.A. 111 General Metals I.....	2	I.A. 180 Hist. of I. Art.....	3	"
I.A. 115 Cabinet Making &		I.A. 185 Organization I.A.....	3	"
Furniture Constr.	4	Choice of 3 cr. Ind. Arts.....	3	"
I.A. 124 Art Metal.....	2			
I.A. 126 Sheet Metal.....	2	Total.....	45	credits

Minor requirements for the degree of Bachelor of Arts in Education:

Choice of 15 or 30 credits in Industrial Arts not used to meet other requirements.

NOTE: *The following are recommended for the 30-credit minor:*

I.A. 1 Intro. to Ind. Arts.....	2 credits	I.A. 115 Cabinet Making &		
I.A. 60, 61 Engineering Drawing	6	Furniture Const.	4	"
I.A. 105 Wood Turning.....	2	I.A. 140 Machine Woodworking	2	"
I.A. 110 Wood & Metal		I.A. 180 Hist. of Ind. Arts.....	3	"
Finishing	2	I.A. 185 Org. of Ind. Arts.....	3	"
I.A. 111 General Metals I.....	2	Choice of 4 cr. in Ind. Arts.....	4	"

Sequence of courses recommended for Industrial Arts majors:

I.A. 1 Intro. to Ind. Arts.....	Freshman
I.A. 60, 61 Engineering Drawing.....	Freshman
I.A. 105 Wood Turning.....	Freshman
I.A. 110 Wood & Metal Finishing.....	Freshman
I.A. 111 General Metals I.....	Freshman
I.A. 126 Sheet Metal.....	Freshman
I.A. 115 Furniture Construction.....	Sophomore
I.A. 150, 151 Architectural Drawing.....	Sophomore
I.A. 124 Art Metal.....	Sophomore
I.A. 140 Machine Woodwork.....	Junior
I.A. 156 Adv. Furniture Construction.....	Junior
I.A. 174 Organization & Theory General Shop.....	Junior
I.A. 185 Organization of Industrial Arts.....	Junior
I.A. 180 Hist. of Ind. Arts.....	Junior
Electives in Ind. Arts.....	Senior

COURSE DESCRIPTIONS**Wood Working**

I.A. 1. Introduction to Industrial Arts. A major requirement; also the first course in woodworking. A study of the background and aims of the Industrial Arts program. A study of typical woods, tools, operations and materials used in woodworking shop. Designing, drawing and construction are part of the course. All quarters. Two credits. Dales.

I.A. 105. Wood Turning. A beginning course in wood turning. Care and use of wood turning lathes. Experience in grinding and whetting hand tools for the lathes. Spindle, face plate turning, and simple chucking. Design, construction and finishing of useful turned projects. All quarters. Two credits. Lane.

I.A. 106. Advanced Wood Turning. A continuation of I.A. 105. Spiral turning, chucking, built up work and combinations of spindle and face-plate turning. Emphasis on good design and pleasing finish. All quarters. Two credits. Lane.

I.A. 115. Cabinet Making and Furniture Construction. A beginning course in the construction of small cabinets and pieces of furniture. Emphasis is placed on hand woodworking. Machines are used under close supervision. Individual problems. Eight periods per week. All quarters. Four credits. Lane.

I.A. 135. Carpentry. Locating buildings and concrete form construction; Floor, wall and roof framing; Insulating, sheating and shingling; also the many uses of the steel square. Spring quarter. Two credits. Dales.

I.A. 140. Machine Woodwork. The purpose of this course is to acquaint the student with the setting up, operation and care of the most commonly used woodworking machines. Students gain experience in sharpening, adjusting and operating the machines in our woodworking shops. Safety is stressed and emphasis is placed on the proper use of the machines. All quarters. Two credits. Lane.

I.A. 145. Wood Carving. A study and use of tools, woods and processes applied to this subject. Several types of surface enrichment, such as chip, low, high relief, pierced, figure carving, stipple work and inlaying are executed. Winter quarter. Two credits. Dales.

I.A. 156. Advanced Furniture Construction. A continuation of I.A. 115 with emphasis on design and construction of advanced cabinet and period furniture. Individual problems. *Prerequisites:* I.A. 105, 115, 140. Eight periods per week. All quarters. Four credits. Lane.

I.A. 158. Patternmaking. A study of draft, shrinkage, finish and pattern designs. Patterns are made for machinery parts from which castings are to be made. The course requires the use and operation of all types of woodworking machinery. Some work will be done in making molds and pouring metal. *Prerequisites:* I.A. 105, 115, 140. Winter quarter. Two credits. Lane.

Metal Working

I.A. 111. General Metals I. Designed to give each student work experience in Bench Metal, Machine Shop, Forging, and Oxy-Acetylene Welding, each presented on a beginner's level. Fundamental elements of these areas covered through work on various jobs and projects. Machine Shop deals with lathe work, shaper work, drill presses and grinders. Forging includes construction and maintenance of metal working tools. The oxy-acetylene flame and its manipulation in making simple mild steel welds studied in welding section. Fall and summer quarters. Two credits. VandeBerg.

I.A. 112. General Metals II. A second and more advanced spiral of areas covered in General Metals I. Sheet Metal replaces forging section of the first course, and deals with soldering, riveting, elementary sheet metal machines and basic sheet metal operations. *Prerequisite:* I. A. 111. Winter quarter. Two credits. VandeBerg.

I.A. 117. Oxy-Acetylene Welding. Fundamental elements of oxy-acetylene and oxy-hydrogen welding. Metallurgy of welding ferrous and nonferrous metals. Oxy-acetylene cutting. Welder's test welds. A study of safety from the welding operator's viewpoint. All quarters. Two credits. VandeBerg.

I.A. 118. General Welding. Different types of welding equipment and accessories are studied. Practical welding experience through the operation of electric arc welding machines, oxy-acetylene equipment, electric spot welding machine, and oxy-acetylene cutting equipment. Skill in the mastery of techniques is emphasized. Safety, symbols, rods, fluxes, electrodes, fuels, joint design, weld positions, weld testing and industrial fabrication techniques will be studied. *Prerequisite:* I.A. 117. Winter and Spring quarters. Two credits. VandeBerg.

I.A. 120. Industrial Electricity. Fundamentals of electricity, including wire splicing, cells and batteries, magnetism, heat, signal circuits, simple light and power circuits, direct current lighting and power, house wiring and simple motors. Winter quarter. Two credits. VandeBerg.

I.A. 124. Art Metal. An integration of the skills and creative abilities of the individual in the design and construction of jewelry. The construction of articles from silver, stainless steel, brass, pewter, and copper will be presented. Emphasis on creative design. Spring quarter. Two credits. VandeBerg.

I.A. 125. Bench Metal. Fundamentals of hand tools. Layout, cutting, peening, shaping, twisting, drilling, riveting, flame coloring, finishing, filing and the use of taps and dies on cold iron. Light forging, tempering and case hardening included. Fall quarter. Two credits. VandeBerg.

Drawing Courses

I.A. 60. Engineering Drawing. A study of fundamental drafting techniques through sketching, lettering, orthographic projection, auxiliary views, revolutions, sectional views, isometric drawings, graphs and maps. Skill in caring for and using drawing instruments is stressed. Fall quarter. Three credits. VandeBerg.

I.A. 61. Engineering Drawing. Social and economic aspects, analysis of machines, historical development, materials and shop procedures. Basic relations, developments, intersections, detail, assembly drawings, inking, tracing and blue printing will be presented in this course. Winter quarter. Three credits. VandeBerg.

I.A. 62. Engineering Drawing. Theory and practice in Descriptive Geometry. Planning and designing engineering projects. Spring quarter. Three credits. VandeBerg.

I.A. 150. Architectural Drawing. A study of house styles, arrangement of rooms, types of construction, kinds of materials, design and layout of grounds. Drawing floor plans, elevations and grounds on tracing paper. Fall and winter quarters. Three credits. Dales.

I.A. 151. Architectural Drawing. This is a continuation of I.A. 150. Details and perspective drawings are made. All tracings are inked and blue prints made. Winter and spring quarters. Three credits. Dales.

Organization and Theory

I.A. 174. Organization and Theory of the General Shop. Methods of organizing and conducting a General Unit Shop and a Comprehensive General Shop. Learning experiences especially designed to meet needs of future Industrial Arts teachers where there are limited funds and facilities for teaching Industrial Arts. Designed to meet General Education needs of students in this subject matter area. Objectives and aims studied. Both shop and classroom work required. *Prerequisites: Junior or senior standing; I.A. 1, 60, 61, 105, 111, 115.* Spring quarter. Two credits. VandeBerg.

I.A. 180. History of Industrial Arts. A study of the background and development of our present Industrial Arts program. Fall quarter. Three credits. Dales.

I.A. 185. Organization of Industrial Arts. Planning, installing, cost of equipment and the administration of Industrial Arts Education courses in elementary and junior high schools. Spring quarter. Three credits. Dales.

Other Courses

I.A. 110. Wood and Metal Finishing. Study and practice in color theory and design in industrial art shops. Fundamental elements involved in finishing wood, composition materials, plastics, and metal will be observed. Practical experiences with new types of finishing materials. Application with brushes and modern spraying equipment. Winter quarter. Two credits. VandeBerg.

I.A. 130, 131. Home Mechanics. The broad field of home mechanics work covers concrete, electrical, plumbing, woodwork, finishing, metalwork, etc. Practical experience is provided to fit the needs of the individual. Creative thinking in the building, maintenance, and improvement of household equipment is encouraged. Fall quarter. Two credits. VandeBerg.

I.A. 126. Sheet Metal. Fundamentals of hand and machine operations in the care, use and adjustment of sheet metal tools and machines. Simple patterns developed using parallel and radial lines. Layout direct, with templates and with developed patterns. Theory and practice in industrial fabrication of sheet metal products. Planning school shops. Spring quarter. Two credits. VandeBerg.

I.A. 127. Metal Spinning. The use of wood turning lathe in shaping metal. Several projects will be made from brass, copper, pewter, and aluminum. Spring quarter. Two credits. Lane.

I.A. 128. Machine Shop. A study and operation of shaper, lathe, drill press, grinding machine, floor grinder and bench grinder. Fundamental elements of machine shop work. Grinding and practical application and study of cutting action of various tool bits, drills and boring bars. Work in mild steel, tool steel and brass. Heat treatment of tool steel. All quarters. Two credits. VandeBerg.

INTEGRATED COURSES

COURSE DESCRIPTIONS

Humanities 1, 2, 3. Integrated Humanities. Art, Literature, Music, and Philosophy principal sources for instructional materials. Fall, winter, and spring quarters. Five credits each quarter. Miller and Staff.

Natural Sciences 4, 5, 6. Integrated Natural Sciences. Biological and Physical Sciences principal sources for instructional materials. Fall, winter, and spring quarters. Five credits each quarter. Rogers.

Social Studies 7, 8, 9. Integrated Social Studies. Economics, Geography, History, Political Science, and Sociology principal sources for instructional materials. Fall, winter, and spring quarters. Five credits each quarter. Staff.

JOURNALISM



Associate Professor Holmquist; Instructor Foss

NOTE: *For Basic Requirements see Part II.*

NOTE: *See English Major Requirements.*

COURSE DESCRIPTIONS

Journ. 31. Principles of Newswriting. Gathering material; organization on news stories; leads. Open to all students. Three credits.

Journ. 32. Advanced Newswriting. It is desirable, though not required, that students have credit in Journalism 31 before registering in this course. Open to all students. Three credits.

Journ. 34. Feature Writing. Special stress will be put on the preparation of manuscripts and a study of various markets with a view to selling articles.

Journ. 35. Editorial Writing. Study and discussion of editorials: policies, techniques, with practical application and practice. Three credits.

Journ. 36. The Law of the Press. The law of libel; the legal responsibilities of newspapers. Special attention is given to statutory law of Washington. Two credits.

Journ. 37. Newspaper Makeup. Effective layout, planning and organizing the whole paper and individual page in the light of reader psychology. Two credits.

Journ. 41, 42, 43. Reporting. A course for those on the staff of the college newspaper. May be begun any quarter. Recommended to those who are preparing to teach in the junior high school or the intermediate grades. *Instructor's permission required.* Fall, winter, spring. Three credits a quarter.

Journ. 46. Public School Journalism. Planning and supervision of school bulletins, newspapers, and other periodicals. Two credits.

Journ. 50. Newspaper and Radio Advertising. Advertising plans and campaigns, copy appeals, space, typography, layout, timing. Three credits.

Journ. 51, 52. Public Relations. Principles, methods, and means of using journalistic agencies to influence the public. Campaigns, devices, timing of programs. Three credits each.

Journ. 70. Radio Continuity. Study and practice in writing program continuity and commercials. Three credits.

Journ. 101. Journalism Problems. A course of lectures by practicing journalists in the fields of newspaper, magazine and radio work, given through the cooperation of the Spokane Press Club and its members. One credit.

Journ. 170. Advanced Radio Continuity. A continuation of Journ. 70. *Prerequisites:* Sp. 70, Journ. 70. Three credits.

Journ. 172. Radio Commercial Copy. An advanced course in writing continuity with special emphasis upon various sales appeals and tones. *Prerequisite:* Journ. 170. Three credits.

Journ. 174. Radio Newswriting and Editing. A study of radio reporting; the writing and pacing of newscasts; use of news service materials. *Prerequisite:* Journ. 170. Three credits.

LIBRARIANSHIP



Blair, Haas

COURSE DESCRIPTIONS

Lib. 101. Children's Library. A general survey of all types of children's reading from the primary grades through the junior high school. Consideration of such topics as the writers and illustrators of children's books, children's reading interests, reading and evaluating children's books, the selection of books for small libraries and children's magazines. *Prerequisite:* Grade point average and consent of instructor. Winter quarter. Three credits. Haas.

Lib. 102. Advanced Children's Library. Stress is placed on book selection and the history of children's books, publishers and editors and other persons prominent in the field of children's books and libraries; critical analysis of children's books, including the classics and recent publications. *Prerequisite:* Ed. 191, 194, or 198, and Lib. 101. Spring quarter. Three credits. Haas.

Lib. 104. School Library Administration. Business practices, supplies and equipment, records, reports, relations with students, teachers, administrators and public libraries; status, standards and objectives. Essence of cataloging, of reference and bibliographies. The purchase and use of periodicals and circulation materials. Practical problems. Three credits. Blair.

Lib. 105. Library Practice. Students who complete the foregoing courses may earn up to three credits, at the rate of one a quarter, for practice work in the children's library of the Elementary School. Should there be more applicants for practice work than the children's library can accommodate, those applicants will be admitted who, in the judgment of the instructors, have done the best work in the other library courses. Fall, winter, spring quarters. One credit a quarter. Haas.

MATHEMATICS



Assistant Professors Bell, Guthrie; Instructor Phillips

NOTE: *For Basic Requirements see Part II.*

Major requirements for the degree of Bachelor of Arts:

Math. 54 College Algebra.....	5 credits	Choice of five 3-credit upper di- vision Math courses	—
Math. 55 Trigonometry.....	5 “		
Math. 56 Analytical Geometry..	5 “		
Math. 110, 111, 112 Calculus.....	15 “		
Total.....			45 credits

Recommended supporting courses for the degree of Bachelor of Arts:

Chem. 51, 52, 53 General.....	15 credits	Phys. 61, 62, 63 General.....	15 credits
-------------------------------	------------	-------------------------------	------------

NOTE: *Students who plan to become candidates for master's degrees are advised to complete two years of a modern foreign language.*

Academic major requirements for the degree of Bachelor of Arts in Education: Same as for the degree of Bachelor of Arts.

Minor requirements for the degree of Bachelor of Arts in Education: Choice of 15 or 30 credits in Mathematics not used to meet other requirements.

COURSE DESCRIPTIONS

Math. 1. Mathematics Fundamentals. Techniques and concepts of mathematics for students who are preparing to teach and are not taking a more advanced mathematics course. Winter and spring quarters. No credits. Phillips.

Math. 3. Solid Geometry. *Prerequisite:* A year's work each in plane geometry and algebra. Five credits. Winter. Phillips.

Math. 4. Advanced Algebra. For those students who have not had three semesters of high school algebra. Fall and winter quarters. Five credits. Guthrie.

Math. 47. Elements of Statistical Method. An introduction to statistics. Methods and processes used in obtaining numerical results and the methods and means for estimating their reliability. The development of the necessary formulas and processes; how to use them; the limitations of the formulas; the reliability of the results. Fulfills the requirements for Education, Social Science, and Business majors. *Prerequisites:* One year of college mathematics is recommended (but not required). Four lectures and recitations. Five credits. Stahl.

Math. 54. College Algebra. Review of elementary topics; systems of equations; arithmetic and geometric series; complex numbers; mathematical induction; solution of equations by approximation, etc. Five credits. Bell, Guthrie.

Math. 55. Trigonometry. Elementary theory of trigonometric functions. Solutions of the triangle with emphasis on applications. Five credits. Bell, Guthrie.

Math. 56. Analytical Geometry. The application of algebraic methods to geometry. Loci, conics, coordinates, algebraic curves, etc. *Prerequisite:* Math. 54. Five credits. Bell, Guthrie.

Math. 102. Mathematics of Investment. Interest and annuities; sinking funds, bonds, investments; capitalization, amortization, insurance. Alternate years. Three credits. Staff.

Math. 108. Theory of Equations. Solution of cubic and quartic equations. Study of determinants, matrices, and systems of linear equations. Symmetric functions. *Prerequisite:* Enrolment in Math. 56. Three credits. Fall quarter. Guthrie.

Math. 110, 111, 112. Calculus. Differential and integral calculus. A continuous course that must be taken in sequence. *Prerequisites:* Math. 54, 55, 56. Five credits a quarter. Bell.

Math. 115. College Geometry. Geometry of the triangle including poles and polars with respect to a triangle. Symmedians, circle of Apollonius, Isogonal lines, the Brocard Points and circles. The Simson line, Transversals, Harmonic sections, etc. Emphasis on methods of proof and solving problems. Especially recommended for students who intend to teach high school Geometry. *Prerequisite:* Math. 56.. Three credits. Guthrie.

Math. 120. Solid Analytic Geometry. The study of three dimensional cartesian geometry with emphasis on the study of quadric surfaces, using matrix theory. Three lectures and recitations. *Prerequisite:* Math. 56. Winter quarters. Three credits. Guthrie.

Math. 125, 126, 127. Ordinary and Partial Differential Equations. Study of the solution of ordinary differential equations. Series solutions. Linear partial differential equations and boundary-value problems in physics. *Prerequisite:* Math. 112. Three lectures and recitations. Given in alternate years. Not offered in 1949-50. Fall, winter, and spring quarters. Three credits a quarter. Bell.

Math. 131, 132, 133. Advanced Calculus. To examine critically some of the results of the calculus, to study the calculus of several variables, and to stress applications to physics and geometry. *Prerequisite:* Math. 112. Three lectures and recitations. Given in alternate years. Offered in 1949-50. Fall, winter and spring quarters. Three credits a quarter. Bell.

Math. 160. Teaching of Mathematics. Stresses application of the principles of mathematics to teaching situations. For teachers. Four credits. Spring quarter. Phillips.

Math. 191, 192, 193. Functions of a Complex Variable. Introduction to the study of analytic functions. Conformal mapping. Integration in the complex plane with application to physics and engineering. Recommended to students who plan to do graduate study in mathematics, physics, or engineering. *Prerequisite:* Math. 112. Three lectures and recitations. Offered in 1949-50. Fall, winter, and spring quarters. Three credits a quarter. Bell.

MODERN LANGUAGES

Major requirements for the degree of Bachelor of Arts:

30 Credits in one Language (French, German, Spanish).....	30 credits	30 Credits in a second language	30 credits
		Total.....	60 credits

Supporting requirements for the degree of Bachelor of Arts:

Humanities 51 Intro. Language Study	3 credits	Geog. 111 Asia Geog. 113 Europe	
9 Credits in one Language chosen in major.....	9 "	Hist. 52, 53 Europe Hist. 112, 113 Hispanic America	
Choice of 18 cr. from following:		Hist. 114 Inter-American Relations	
Eng. 54, 55, 56 Survey of English Lit.		Hist. 128 Germany	
Eng. 196 Develop. & Use		Hist. 134 Mediterranean World	
Geog. 1 Elements		Phil. 195 Semantics	
Geog. 104 N. America			

NOTE: *Other courses may be offered in support of the major, subject to the approval of the major counselor or the registrar.*

NOTE: *Students who wish to qualify for the degrees of both Bachelor of Arts and Bachelor of Arts in Education may count 18 credits from the following courses as part of the supporting requirements for the major in Modern Languages.*

Ed. 134 Social Foundations	P.H.E. 1 Health Fundamentals
Ed. 178 Curriculum	Psych. 1 General Psychology
Hist. 63 Wn. Hist. & Gov't.	Ed. 155 Child Development
H. Ec. 56 Nutrition	

Major requirements for the degree of Bachelor of Arts in Education:

Choice of 45 credits from the major and supporting requirements for the degree of Bachelor of Arts.

Minor requirements for the degree of Bachelor of Arts in Education:

15 or 30 credits in one or two languages not used to meet other requirements.

MUSIC



Professor Rowles; Assistant Professors Goodsell, Hallgrimson, Lawton;
Instructors Kanable, Smith, Stevens, Stevenson, Swanson,
Walker, Wooton; Part-time Instructors, Haigh,
Signor, Whelan, Wolfe

NOTE: *For Basic Requirements see Part II.*

Major requirements for the degree of Bachelor of Arts:

For students majoring in Music a variety of programs is possible. The college desires to maintain a maximum of individual flexibility in the development of each student's major program, but recognizes that such programs within the Music major will naturally fall within the following groups. The following suggested group patterns are expected to meet the needs of most students; other patterns may be developed under the guidance of the student's counselor.

GROUP A

Mus. 16 Piano.....	9 credits	Mus. 170 Senior Recital.....	2	"
Mus. 2, 3, 4 Music Theory.....	11	(See note below)		
Mus. 52, 53, 54 Music History.....	9	Choice of 4 cr. from following:		
Mus. 58, 59, 60 Harmony.....	9	Mus. 136, 137. Accompanying		
Mus. 112 Music History IV.....	3	Mus. 165 Piano Meth. and Matls.	4	"
Choice of 6 cr. from following:		Choice of 8 cr. from following:		
Mus. 152, 153, 154 Mus. Lit.		Mus. 8, 9, 10, 11, 12, 13, 14, 15	8	"
& Form		Choice of 4 cr. from following:		
Mus. 158, 159, 160 Composition..	6	Mus. 16, 17, 18, 19, 20, 21,		
Choice of 2 cr. from following:		26, 27, 28, 30, 31.....	4	"
Mus. 16 Piano		Total.....	65	credits
Mus. 8 Piano Ensemble				

NOTE: Substitution of successful public performances in either solo or small ensemble instead of solo recital may be made at the discretion of instructor and division head.

GROUP B

Mus. 17, 20 or 21 String, Wind		Mus. 170 Senior Recital.....	2	"
or Percussion Instrument.....	9 credits	(See note after Group A)		
Mus. 2, 3, 4 Music Theory.....	11	Choice of 4 cr. from following:		
Mus. 52, 53, 54 Music History..	9	Mus. 120, 121, 122, 123, 124,		
Mus. 58, 59, 60 Harmony.....	9	131, 132	4	"
Mus. 112 Music History IV.....	3	Choice of 8 cr. from following:		
Choice of 6 cr. from following:		Mus. 8, 9, 10, 11, 12, 13, 14, 15	8	"
Mus. 152, 153, 154 Mus. Lit.		Choice of 4 cr. from following:		
and Form		Mus. 16, 17, 18, 19, 20, 21,		
Mus. 158, 159, 160 Composition	6	26, 27, 28, 30, 31.....	4	"
Choice of 2 cr. from following:		Total.....	65	credits
Mus. 17, 20 or 21				
Mus. 15 Instrumental Ensemble				

GROUP C

Mus. 18 Voice.....	9 credits	Mus. 170 Senior Recital.....	2	"
Mus. 2, 3, 4 Music Theory.....	11	(See note after Group A)		
Mus. 52, 53, 54 Music History....	9	Choice of 4 cr. from following:		
Mus. 58, 59, 60 Harmony.....	9	Mus. 125 Choral Conducting		
Mus. 112 Music History IV.....	3	Mus. 126 Choral Technique		
Choice of 6 cr. from following:		Mus. 127 Choral Materials.....	4	"
Mus. 152, 153, 154 Mus. Lit.		Choice of 8 cr. from following:		
& Form		Mus. 8, 9, 10, 11, 12, 13, 14, 15..	8	"
Mus. 158, 159, 160 Composition..	6	Choice of 4 cr. from following:		
Choice of 2 cr. from following:		Mus. 16, 17, 18, 19, 20, 21,		
Mus. 18 Voice		26, 27, 28, 30, 31.....	4	"
Mus. 12 Vocal Ensemble		Total.....	65	credits

Supporting requirements for the degree of Bachelor of Arts:

GROUPS A AND B

Choice of 25 cr. from following:

Art 1, 2 Intro. to Art	Phys. 41 Electronics
Art 34 History of Painting	Psych. 1 General Psychology
Hist. 52, 53 Europe	Psych. 155 Child Development
P.H.E. 105 Folk Dancing	Applied & Ensemble Music
P.H.E. 113, 114 Modern Dance	

GROUP C

Choice of 25 cr. from following:

Art 1, 2 Intro. to Art	P.H.E. 105 Folk Dancing
Art 34 History of Painting	P.H.E. 113, 114 Modern Dance
Hist. 52, 53 Europe	Psych. 1 General Psychology
Eng. 30 Poetry	Speech 70 Intro. to Radio Techniques
French 10	Speech 53 Voice for Speech
German 10	Applied & Ensemble Music
Phys. 41 Electronics	

NOTE TO MUSIC MAJORS: All students majoring in music are expected to enroll for not less than 2 credits per quarter in either small or large ensembles throughout their four-year course unless excused by the instructor and the division head.

Academic major requirements for the degree of Bachelor of Arts in Education:

Mus. 2, 3, 4 Music Theory.....	11 credits	Mus. 109 Stud. Teaching in Mus. 3 credits
Mus. 52, 53, 54 Music History....	9 "	Choice of 4 cr. from following:
Mus. 58, 59, 60 Harmony.....	9 "	Mus. 120, 121, 122, 123,
Mus. 102 Elem. Sch. Music.....	3 "	124, 125, 126, 135, 145. 4 "
Mus. 103 Jr. H. S. Music.....	3 "	
Mus. 105 Mod. Prac. Mus. Ed... 3	"	Total.....45 credits

Minor requirements for the degree of Bachelor of Arts in Education:
Choice of 15 or 30 credits in Music not used to meet other requirements.

Sequence of Courses Recommended for Music Majors:

Mus. 1 Music Fundamentals.....	Freshman
Mus. 2, 3, 4 Music Theory.....	Freshman
Mus. 51 Listening Enjoyment.....	Freshman
Mus. 52, 53, 54 Music History.....	Sophomore
Mus. 58, 59, 60 Harmony.....	Sophomore
Mus. 124 Instrumental Conducting.....	Sophomore
Mus. 125 Choral Conducting.....	Sophomore
Mus. 101 Public School Music.....	Junior
Mus. 102 Elementary School Music.....	Junior
Mus. 103 Junior High School Music.....	Junior
Mus. 120 Orchestration.....	Junior
Mus. 112 Music History IV.....	Junior
Mus. 136 Accompanying I.....	Junior
Mus. 137 Accompanying II.....	Junior
Mus. 152, 153 Music Lit. and Form I & II.....	Junior
Mus. 154 Piano Literature.....	Junior
Mus. 158, 159, 160 Composition.....	Junior
Mus. 105 Modern Prac. in Music Educ.....	Senior
Mus. 121 Woodwind Instrument Technique.....	Senior
Mus. 122 Brass and Percussion Technique.....	Senior
Mus. 123 String Instrument Technique.....	Senior
Mus. 126 Choral Technique.....	Senior
Mus. 127 Choral Materials.....	Senior
Mus. 131 Band Materials.....	Senior
Mus. 132 Orchestra Materials.....	Senior
Mus. 133 Instrumental Supervision.....	Senior
Mus. 135 Elementary School Music Materials.....	Senior
Mus. 140 Music Theory for Teachers.....	Senior
Mus. 145 Creative Music for Children.....	Senior
Mus. 165 Piano Methods and Materials.....	Senior
Mus. 170 Senior Recital.....	Senior
Mus. 109 Student Teaching in Music.....	Junior or Senior

COURSE DESCRIPTIONS

Humanities 1, 2, 3. Integrated Humanities. Art, Literature, Music, and Philosophy principal sources for instructional materials. Fall, winter and spring quarters. Five credits each quarter. Miller and Staff.

Music Theory and Music Education

Mus. 1. Music Fundamentals. Basic elements of music learned through actual experience in reading, singing and playing melodies and chords at the piano. Introduction to music appreciation. Occasional individual conferences. Beginning knowledge of techniques useful to classroom teachers and others not majoring in music. Fall quarter. Five credits. Swanson.

Mus. 2, 3, 4. Music Theory I, II and III. First quarter: Beginning study of rhythm, melody, harmony and form to train students in accurate musical thinking. Elementary sight singing and dictation. Required concert attendance, outside listening and reading. Required course for music majors. *Prerequisite: Demonstrable musical ability.* Fall quarter only. Five credits. Trotter.

Second quarter: Emphasis on study of melodies as combinations of rhythmic patterns and pitch lines. Harmonic implications of melodies. Rhythmic, harmonic and melodic dictation. *Prerequisite: Music 2.* Winter quarter only. Three credits. Trotter.

Third quarter: Elementary harmonic analysis, emphasizing esthetic effect of harmonic techniques. Continuation of dictation. *Prerequisite: Music 3.* Spring quarter only. Three credits. Trotter.

Mus. 51. Listening Enjoyment. A well-rounded experience in becoming familiar with all types and styles of music. Much outside listening to concerts, recordings and radio performances on which critical comments are required. Practical introduction to musical esthetics and the history of music. For all students not majoring in music. *Prerequisite: Mus. 1.* Winter quarter. Three credits. Swanson.

Mus. 52, 53, 54. Music History I, II, III. First quarter: Beginnings in musical thought. Primitive and ancient systems examined. Listening to recordings of vocal and instrumental forms prior to 1750. Outside reading and listening required. *Prerequisite: Music 1 or Music 2, or equivalent musical experience.* Fall quarter. Three credits. Lawton.

Second quarter: Instrumental forms of latter half of 18th century and all of the 19th century. Emphasis on symphonic music and the study of scores. Outside reading and listening required. *Prerequisite: Music 1, Music 2, or equivalent musical experience.* Winter quarter. Three credits. Lawton.

Third quarter: Vocal forms of 18th and 19th centuries. Emphasis on development of opera and the art song. Outside reading and listening required. *Prerequisite: Music 1, Music 2, or equivalent musical experience.* Spring quarter. Three credits. Lawton.

Mus. 58, 59, 60. Harmony I, II, III. First quarter: Study of triads and inversions based on usage in the chorales of Bach. Development of a harmonic technique through ear-training, harmonic dictation, analysis, part-writing and keyboard work. *Prerequisite: Music 4.* Fall quarter. Three credits. Kanable.

Second quarter: Study of non-harmonic material, seventh chords and their inversions used in the Bach chorale style. Harmonization of chorale tunes using triads, non-harmonic material, seventh chords and inversions. *Prerequisite: Music 58.* Winter quarter. Three credits. Kanable.

Third quarter: Study of altered non-harmonic material and altered chords in the Bach style. Further harmonization of chorale tunes. Original composition based on contrapuntal technique, i. e., two-part inventions and fuguetas. Free harmonization. *Prerequisite: Music 59.* Spring quarter. Three credits. Kanable.

Mus. 101. Public School Music. For all students not majoring in music. The purpose, function and program of music education in the public schools. A non-technical survey of school music as outlined by the State Curriculum Committee and other sources. *Prerequisite: Music 1.* Fall quarter. Three credits. Goodsell.

Mus. 102. Elementary School Music. Materials and methods for music activities in the first six grades. The rote song, child voice, unmusical children, rhythmic expression, notation, music reading, listening lessons, tonal and rhythmic problems, part singing. For all students majoring or minoring in music. Strongly advised for all those preparing for teaching in the elementary school field. *Prerequisite: Music 1, or Music 2.* Winter quarter. Three credits. Goodsell.

Music 103. Junior High School Music. The place of music in adolescent development, the boy's changing voice, testing and classification of voices, organizing and directing the glee clubs, choruses, operettas, concerts, and other music activities in the junior high school. *Prerequisite: Music 1 or Music 2.* Spring quarter. Three credits. Swanson.

Music 105. Modern Practices in Music Education. Techniques and philosophy of music teaching in the elementary school in relation to the general philosophy of education in a democracy. Significance of creative and integrative approaches to music with present-day materials and organization. Observation or specialized teaching in elementary school required during the quarter. Open only to students who have had teaching experience. *Prerequisite: Music 102.* Spring quarter. (Not offered spring, 1949). Three credits. Goodsell.

Music 109. Student Teaching in Music. Teaching under supervision during junior or senior years required of all music education majors. *Prerequisite: Music 102.* All quarters. One or more credits. Goodsell.

Mus. 112. Music History IV. Study of representative twentieth-century compositions with analysis of ways various elements of music are utilized. Examination of historical backgrounds. Extensive outside reading, listening and performance. *Prerequisite: Music 59 and two previous quarters of Music History.* Spring quarter. Three credits. Trotter.

Mus. 120. Orchestration. Arrangements of small compositions for various combinations of instruments. Study of the range, tone and utility of all orchestral and band instruments for ensemble purposes. *Prerequisite: Music 60.* Spring quarter. Two credits. Smith.

Mus. 121. Woodwind Instrument Technique. Methods and techniques for performance on principal woodwind instruments. Procedures recommended for carrying on both private and class instruction in the public schools. Individual practice on one instrument required of each member of the class. Examination of various instructional methods. *Prerequisite: Junior or Senior Standing.* Fall quarter. Two credits. Smith.

Mus. 122. Brass and Percussion Technique. Same as Mus. 121 applied to brass and percussion instruments. *Prerequisite: Junior or senior standing.* Winter quarter. Two credits. Hallgrimson.

Mus. 123. String Instrument Technique. Same as Mus. 121 applied to string instruments. *Prerequisite: Junior or Senior standing.* Spring quarter. Two credits.

Mus. 124. Instrumental Conducting. Baton technique and reading of scores. Conducting of band and orchestra numbers using phonograph recordings. *Prerequisite: Mus. 1 or 2.* Fall quarter. Two credits. Hallgrimson.

Mus. 125. Choral Conducting. Technique of the baton. Practice in all phases of choral directing with a view to efficiency and expressiveness. *Prerequisite: Mus. 1 or 2.* Fall quarter. Two credits. Rowles.

Mus. 126. Choral Technique. Principles governing good singing. Choir organization and rehearsal procedures. Analysis of varied types of choral music and interpretive effects to be obtained. Program building. *Prerequisite: Junior or senior standing.* Spring quarter. Two credits. Rowles.

Mus. 127. Choral Materials. Review and evaluation of octavo numbers, chorus collections and works for all types of choral groups in the schools. *Prerequisite: Junior or senior standing.* Summer quarter. Two credits. Rowles.

Mus. 131. Band Materials. Review and evaluation of all types of compositions for school bands. *Prerequisite: Junior or senior standing.* Summer quarter. Two credits. Hallgrimson.

Mus. 132. Orchestra Materials. Review and evaluation of all types of compositions for school orchestras. *Prerequisite: Junior or senior standing.* Summer quarter. Two credits.

Mus. 133. Instrumental Supervision. Organization of a comprehensive instrumental program in the public schools from fourth grade through senior high school. Materials and methods. Problems of administration. Attention to the pre-instrument program in the lower elementary grades introductory to band and orchestra participation. *Prerequisite: Junior or senior standing and Mus. 102.* Spring quarter. Three credits. Hallgrimson.

Mus. 135. Elementary School Music Materials. Review and evaluation of all types of materials recommended for use in a broad program of singing, creative and rhythmic activities in the first six grades. *Prerequisite: Junior or senior standing, and Music 102.* Summer quarter. Two credits. Goodsell.

Mus. 136. Accompanying I. Study of all styles of vocal literature, analyzing technical problems involved for the accompanist. Regular outside rehearsal and class performance with advanced voice students. *Prerequisite: Adequate piano technique and permission of instructor.* Fall quarter. Two credits. Trotter.

Mus. 137. Accompanying II. Study of all styles of compositions for string and wind instruments, analyzing technical problems involved for the accompanist. Same requirements as for Mus. 136. Winter quarter. Two credits. Trotter.

Mus. 140. Music Theory for Teachers. Review of music fundamentals, with diagnosis of practical teaching problems involved in typical school music materials. *Prerequisite: Music 102 and teaching experience.* Summer quarter. Two and one-half credits. Trotter.

Mus. 145. Creative Music for Children. Techniques and procedures for securing original rhythmic response and melody writing by children. Making of primitive instruments and utilizing them in creating individual and group expression. *Prerequisite: Mus. 102 and previous teaching experience.* Summer quarter. Two and one-half credits. Goodsell.

Mus. 152, 153. Music Literature and Form I and II. First quarter: Extended analysis of elements of musical composition to increase intelligent listening and musical understanding. *Prerequisite: Music 60 and junior or senior standing.* Fall quarter. Two credits. Smith.

Second quarter: Continuation of the above. *Prerequisite: Mus. 152.* Winter quarter. Two credits. Smith.

Mus. 154. Piano Literature. Study of all types of composition for this instrument through reading, playing, listening to performances and recordings. *Prerequisite: Junior or senior standing and advanced piano technique.* Spring quarter. Two credits. Kanable.

Mus. 158, 159, 160. Composition I, II, III. First quarter: Principles of composition in the simpler forms in both vocal and instrumental fields. Expansion of harmonic technique. Study of related examples from standard music literature. *Prerequisite: Mus. 60, and recommendation of harmony instructor.* Fall quarter. Two credits. Smith.

Second quarter: Further expansion of harmonic technique leading toward understanding and application of modern methods. Original work in larger forms. Study of related examples from music literature. *Prerequisite: Mus. 158.* Winter quarter. Two credits. Smith.

Third quarter: Advanced work in modern harmonic techniques. Original composition in the large forms. Study of related examples from music literature. *Prerequisite: Mus. 159.* Spring quarter. Two credits. Smith.

Mus. 165. Piano Methods and Materials. Teaching techniques for both class and individual piano study. Evaluation of typical teaching materials. *Prerequisite: Advanced piano technique or previous teaching experience.* Summer quarter. Two credits.

Mus. 170. Senior Recital. Major recital appearance as principal or assisting soloist during senior year. Required of all seniors majoring in a solo instrument or voice. Two credits.

Ensemble Music

Mus. 8. Piano Ensemble. Study and performance of piano materials for four hands. *Prerequisite: Adequate piano technique and permission of instructor.* Fall and winter quarters. One credit. Two periods per week. Kanable.

Mus. 9. Radio Chorus. Preparation of programs for broadcasting from Spokane radio stations. Four periods per week. Enrollment required for three successive quarters at the discretion of the instructor. Vocal tryouts. Fall, winter and spring quarters. Two credits. Walker.

Mus. 10. Operetta. Preparation and production of an operetta or light opera. Winter quarter. Two credits. Rowles, et al.

Mus. 11. College Band. Full rehearsals with entire band, and separate work with A and B bands. Extended marching and concert activities. Four periods per week. Enrollment required for three successive quarters at the discretion of the instructor. Fall, winter and spring quarters. Two credits. Hallgrimson.

Mus. 12. Vocal Ensemble. Selected voices for specialized vocal performance. Two periods per week. Enrollment required for three successive quarters at the discretion of the instructor. Fall, winter and spring quarters. One credit. Rowles and Walker.

Mus. 13. College Choir. Unaccompanied singing for mixed voices. Vocal tryouts. Large group divided into A and B choirs. Enrollment required for three successive quarters at the discretion of the instructor. Fall, winter and spring quarters. Two credits. Rowles.

Mus. 14. College Orchestra. Playing of standard orchestral literature. Enrollment required for three successive quarters at the discretion of the instructor. Four periods per week. Fall, winter and spring quarters. Two credits.

Mus. 15. Instrumental Ensemble. Music for different combinations of string and wind instruments. Enrollment required for three successive quarters at the discretion of the instructor. Two periods per week. Fall, winter and spring quarters. One credit. Hallgrimson, Smith, et al.

Applied Music

NOTE: To promote efficiency in operation of applied music schedules, all registrations for private lessons should be O.K.'d by Div. of Music before paying fees.

Mus. 16. Piano. Enrollment only by personal consultation with instructor on or before registration day each quarter. All quarters. One lesson per week. One credit. Kanable, Swanson, Trotter.

Mus. 17. String Instrument. (Violin, Viola, 'Cello, Double Bass). Enrollment only by personal consultation with instructor on or before registration day each quarter. All quarters. One lesson per week. One credit. Lawton, et al.

Mus. 18. Voice. Enrollment only by personal consultation with instructor on or before registration day each quarter. All quarters. One lesson per week. One credit. Rowles, Walker.

Mus. 19. Organ. Enrollment only by personal consultation with instructor on or before registration day each quarter. All quarters. One lesson per week. One credit. Swanson.

Mus. 20. Wind Instrument. Enrollment only by personal consultation with instructor on or before registration day each quarter. All quarters. One lesson per week. One credit. Hallgrimson, Marty, Smith, Trotter.

Mus. 21. Percussion. Enrollment only by personal consultation with instructor on or before registration day each quarter. All quarters. One lesson per week. One credit. Morgan.

Mus. 22. Twirling. Enrollment only by personal consultation with instructor on or before registration day each quarter. All quarters. One lesson per week. One credit. Lindsey.

Mus. 26. Class Piano. Enrollment only by personal consultation with instructor on or before registration day each quarter. All quarters. Two periods per week. One credit. Kanable and Swanson.

Mus. 27. Class String Instruments. Enrollment as per Mus. 26. All quarters. Two periods per week. One credit. Lawton, et al.

Mus. 28. Class Voice. Enrollment as per Mus. 26. All quarters. Two periods per week. One credit. Walker.

Mus. 30. Class Wind Instruments. Enrollment as per Mus. 26. All quarters. Two periods per week. One credit. Hallgrimson, Smith.

Mus. 31. Class Percussion. Enrollment as per Mus. 26. All quarters. Two periods per week. One credit. Morgan.

Mus. 32. Class Twirling. Enrollment as per Mus. 26. All quarters. Two periods per week. One credit. Lindsey.

PHILOSOPHY



Assistant Professor Shaw

NOTE: For Basic Requirements see Part II.

COURSE DESCRIPTIONS

Humanities 1, 2, 3. Integrated Humanities. Art, Literature, Music, and Philosophy principal sources for instructional materials. Fall, winter, and spring quarters. Five credits each quarter. Miller and Staff.

Phil. 51. Introduction to Philosophy. An examination of problems arising in the conduct of life and reflection upon the nature of the world and our knowledge of it. Problems concerning the physical world, life, mind, social and religious experience will be considered with typical solutions offered. *Prerequisite: Sophomore standing.* Five credits. Shaw.

Phil. 53. Introduction to Ethics. An analysis of moral situations, types of moral ideas such as duty, right, and good, and their application to the problems of life. *Prerequisite: Sophomore standing.* Five credits. Shaw.

Phil. 154. Social Ethics. A consideration of moral values implicit in the individual's relation with his social order; ethics of the professions and business, economic and political rights, citizenship, social obligation and responsibility. Special emphasis on democracy. *Prerequisite: Junior standing or special permission of the instructor.* Five credits. Shaw.

Phil. 155. Logic. A consideration of the processes involved in valid thinking and its expression which should be useful in any field of college work or professional activity: the conditions of clear statement, adequate evidence, fallacies, valid inference, inductive reasoning and scientific method. *Prerequisite: Junior standing or special permission of the instructor.* Five credits. Shaw.

Phil. 195. Semantics. An approach to the problems of straight thinking and accurate, effective communication of thought through a study of language; symbols and meanings. Three credits.

PHYSICAL AND HEALTH EDUCATION



Professor Woodward; Assistant Professors Davidson, Dustin;
Instructors Beam, Beard, Chesnut, Poffenroth, Reese, Stavely, Vannoy

Major requirements for the degree of Bachelor of Arts:

P.H.E. 1 Health Fundamentals..	3 credits	P.H.E. 113, 114 Theory & Prac-	
P.H.E. 146 P.E. Fundamentals..	2 "	tice in Modern Dance.....	2, 2 "
P.H.E. 121 First Aid.....	3 "	P.H.E. 115, 116 Advanced Mod.	
P.H.E. 124 Organization, Admin.	4 "	Dance	2, 2 "
P.H.E. 125 Physiology.....	5 "	P.H.E. 117 Football Coaching....	2 "
P.H.E. 129 Meth. & Materials of		P.H.E. 118 Basketball Coaching	
Health Education.....	3 "	(Men)	2 "
P.H.E. 126 Playground & Com-		P.H.E. 123 Baseball Coaching....	2 "
munity Recreation	3 "	P.H.E. 128 Corrective Physical	
P.H.E. 151 Anatomy.....	5 "	Education	3 "
P.H.E. 127 Student Teach. P.E....	3 "	P.H.E. 138 School Hygiene.....	2 "
Choice of 14 credits from the		P.H.E. 140 Kinesiology.....	4 "
following:		P.H.E. 147 Fundamental Skills..	2 "
P.H.E. 102 Personal Hyg.....	2 "	P.H.E. 148 Life Saving &	
P.H.E. 104 El. Rhyth. Meth.....	3 "	Water Safety	2 "
P.H.E. 105 Adv. Folk Dancing..	1 "	P.H.E. 150 Athletic Training....	3 "
P.H.E. 108 Basketball		P.H.E. 152 First Aid Instructor's	
Coaching (Women)	2 "	Course	3 "
P.H.E. 109 Primary P.E.		P.H.E. 153 Apparatus	
Methods (Women)	3 "	Techniques	2 "
P.H.E. 110 Middle Gr. P.E.		P.H.E. 157 Six-Man Football....	2 "
Methods (Women)	3 "	P.H.E. 154, 155, 156 Rules &	
P.H.E. 111 Jr. Hi. P.E. Methods		Officiating	3 "
(Women)	3 "		
		Total.....	45 credits

Supporting requirements for the degree of Bachelor of Arts:

Biol. 51, 52, 54, Zool.-Compar. Anat. or		Biol. 20 Boy Scout Leadership..	1 credits
Chem. 51, 52, 53 General.....	13-15 credits	Biol. 51 Botany.....	4 "
H. Ec. 56 Nutrition.....	3 "	Biol. 121 Genetics.....	2 "
Psych. 1 General Psych.....	5 "	P.H.E. 120 Camp Fire	
Psych. 155 Child Development....	5 "	Leadership	2 "
Choice of 5 credits from the following:		Psych. 137 Adjustment.....	5 "
		Total.....	31-33 credits

Major requirements for the degree of Bachelor of Arts in Education:
Choice of 45 credits in Physical and Health Education.

Minor requirements for the degree of Bachelor of Arts in Education:
Choice of 15 or 30 credits in Physical and Health Education not used to meet other requirements.

COURSE DESCRIPTIONS

P.H.E. 1. Health Fundamentals. Conservation and promotion of health in the individual, the home and the community. Principles of healthful living. Recognition of deviations from normal health. Physiological facts related to problems of individual adjustment. Health consciousness in personal and community matters. All quarters. Three credits. Davidson.

P.H.E. 4. Physical Education Activities. (Women). Freshmen and sophomores, unless excused, are required to take an activities course each quarter. One credit a quarter. Staff. An activity may be selected from the following:

- Archery
- Badminton
- Basketball
- Canoeing
- Clogging
- Fencing
- Folk and Square Dancing
- Golf
- Hockey
- Jollyball
- Life Saving
- Modern Dance
- Orchesis (Honorary)
- Organized Games
- Soft Ball
- Square Dancing
- Soccer
- Speedball
- Swimming (beginning, intermediate, advanced)
- Tennis
- Track
- Volleyball

NOTE: Students may not earn more than one credit in P.H.E. Activities (P. H.E. 4) in any one quarter. One quarter of P.H.E. Activities (P.H.E. 4) must be in swimming.

P.H.E. 4. Rhythmics and Introduction to Modern Dance. Fall, winter, spring quarters. Two periods per week. One credit. Chesnut.

P.H.E. 13. Physical Education Activities. (Men). Freshmen and sophomores, unless excused, are required to take an activities course each quarter. One credit per quarter. Staff. An activity may be selected from the following:

Badminton
Basketball
Baseball
Boxing
Boy Scout Leadership (see Biology 20)
Clogging
Fencing
Football
Folk Dancing
Golf
Life Saving
Soft Ball
Soccer
Speedball
Square Dancing
Swimming
Touch Football
Tennis
Track
Tumbling and Stunts
Volleyball
Wrestling

NOTE: *Students may not earn more than one credit in P.H.E. Activities (P.H.E. 13) in any one quarter. One quarter of P.H.E. Activities (P.H.E. 13) must be in swimming.*

P.H.E. 13. Swimming. (Men). Methods of teaching beginners, instruction in the different strokes and methods of rescuing and resuscitation. All quarters. One credit. Staff.

P.H.E. 16. Corrective Work. (Men). Classes and individual work arranged according to needs. All quarters. One credit. Staff.

P.H.E. 102. Personal Hygiene. The study of such topics as health ideals, values and attitudes; the biological basis of life; the nervous system, physical health of the individual. *Prerequisite: P.H. E. 1.* Spring quarter. Two credits. Davidson.

P.H.E. 104. Elementary Rhythmic Methods. A study of rhythm as a fundamental factor in all expressional activity. Basic rhythmic movement and its relation to music, dance, the color-form arts, and the physical education program. Planned especially for the class room teacher in the elementary school. Lecture-discussion and observation of children's classes. Fall, winter, spring, and summer quarters. *Prerequisite: Junior standing or consent of instructor.* Three credits. Chesnut.

P.H.E. 105. Advanced Folk Dancing. (Women). Instruction and application of the basic techniques used in national dances. A further study for program planning and pageant work in junior high grades or special classes. *Prerequisite: P.H.E. 4. Folk Dances.* Fall and summer quarters. One credit. Dustin.

P.H.E. 108. Basketball Coaching. (Women). Fundamentals of coaching, refereeing and interpretation of rules. Instruction and suggestion for the improvement of the biological, mental, social and moral benefits of team games. *Prerequisite: Sophomore standing.* Winter quarter. Two credits. Dustin.

P.H.E. 109. Primary P. E. Methods. (Women). Dramatic and singing games. Rhythms and simple folk dances. Relaxation activities. Story plays. Fall and summer quarters. Three credits. Dustin.

P.H.E. 110. Middle Grade P. E. Methods. (Women). Games, folk dances and stunts. Winter and summer quarters. Three credits. Dustin.

P.H.E. 111. Junior High P. E. Methods. (Women). Organized games and folk dances. Spring and summer quarters. Three credits. Dustin.

P.H.E. 112. Corrective Work. (Women). Classes and individual work arranged according to needs. All quarters. One credit. Staff.

P.H.E. 113, 114. Theory and Practice in Modern Dance. Experience in elemental rhythmic movement; problems of spatial relations, space patterns, and introduction to the new American art dance. All quarters. Two credits per quarter. Chesnut.

P.H.E. 115, 116. Advanced Modern Dance. Activity four days per week and participation in Spring Dance Production. Spring quarter. *Prerequisite: Rhythmics and Introduction to Modern Dance (P.H.E. 4) or P.H.E. 113 or P.H.E. 114 or instructor's consent.* Two credits per quarter. Chesnut.

P.H.E. 117. Football Coaching. (Men). The theory and practice of football fundamentals; punting, drop-kicking, place-kicking, kick-off, passing, tackling, catching punts, blocking, interference; offensive and defensive styles of play, duties of each player on offense and defense, teamwork, generalship and strategy, plays and signals, conditioning of players and rules. Fall and summer quarters. Two credits. Poffenroth.

P.H.E. 118. Basketball Coaching. (Men). Instruction in goal-throwing, passing, dribbling, pivoting, individual and team play, and the different styles of plays and rules. Winter and summer quarters. Two credits. Reese.

P.H.E. 119. Track Coaching. (Men). Sprinting, distance-running, high and low hurdles, high and broad jump, pole vault, shot-putting, discus, and javelin-throwing; rules, management of meets, the diet and conditioning of men. Spring and summer quarters. Two credits. Reese.

P.H.E. 120. Camp Fire Leadership. (Women). A study of program planning, handicraft, leadership psychology and plans for general group activities to equip leaders for Camp Fire and Blue Bird groups. Class members completing requirements will receive the Guardians' Training Course Certificate. *Prerequisite: P.H.E. 4.* Open to seniors and juniors only. Spring quarter. Two credits. Dustin.

P.H.E. 121. First Aid and Safety Education. This course includes practice in the use of various kinds of bandages, dressings, antiseptics, disinfectants, etc. It aims to give teachers knowledge and practical skill in rendering aid and treatment in case of emergencies. Students who pass this course will receive the Red Cross Standard Certificate. Fall, winter, summer quarters. Three credits. Beard.

P.H.E. 123. Baseball Coaching. Pitching and pitching strategy; batting and base running; the correct method of fielding each position; team play, field work and rules. Spring and summer quarters. Two credits. Stavely.

P.H.E. 124. Organization and Administration of Physical and Health Education. A study of administration problems in physical education, including intramural athletics, class work, interschool athletics, programs of sports, methods of organizing competition, management of meets, and similar problems. *Prerequisite:* P.H.E. 146. All quarters. Four credits. Woodward.

P.H.E. 125. Physiology. A study of cellular elements and tissues followed by a thorough consideration of the digestive, respiratory, circulatory and nervous systems. Special emphasis on metabolism, internal and external secretions and excretions. *Prerequisite:* P.H.E. 1. Fall, spring and summer quarters. Five credits. Davidson.

P.H.E. 126. Playground and Community Recreation. Organization, equipment, management and supervision of playgrounds; instruction in games and other activities. *Prerequisite:* P.H.E. 146. Fall, spring and summer quarters. Three credits. Woodward.

P.H.E. 127. Student Teaching in Physical Education. *Prerequisite:* P.H.E. 146. All quarters. One credit. Staff.

P.H.E. 128. Corrective Physical Education. A study of abnormal conditions that frequently occur; corrective exercises for the most common defects. *Prerequisite:* P.H.E. 125. Fall and summer quarters. Three credits. Woodward.

P.H.E. 129. Methods and Materials of Health Education. This course takes up various methods and devices used in the elementary grades of the school. Courses of study of outstanding school systems that have attracted attention because of their work in health education will be studied and compared. The problem of the health of the teacher, control of contagion, etc., are other features of this course. *Prerequisite:* P.H.E. 1. Winter and summer quarters. Three credits. Davidson.

P.H.E. 138. School Hygiene. Consideration of such topics as responsibilities of the home, school and child in the prevention and control of disease; the common infections and contagious diseases; tuberculosis; the teaching of hygiene; health programs. Winter and spring quarters. Two credits. Davidson.

P.H.E. 140. Kinesiology (Applied Anatomy). It includes a study of the principal types of muscular exercise with inquiry as to how they are performed. It is necessary to analyze complex movements into their simplest elements, note carefully what bones, joints and muscles are involved, what part each muscle has in the work and under what mechanical conditions its work is done. *Prerequisite:* P.H.E. 151. Winter and summer quarters. Four credits. Woodward.

P.H.E. 141. Camp Fire Counselor's Guidance. (Women). A practical experience in observation and consideration of the social and psychological problems of the three types of campers in an A-1 camp, with supervision of the principles for directing and the development of the individual's abilities, interests and achievements. *Prerequisite:* P.H.E. 120. Recommendation of staff once only. Summer quarter. Those serving for a period of seven or more weeks—two credits. A period of four to six weeks—one credit. Dustin.

P.H.E. 146. Physical Education Fundamentals. Methods and procedures of Physical Education programs as adapted to primary, intermediate and junior high school grades. Provision for participation in the P.E. Activities. All quarters. Two credits. Woodward.

P.H.E. 147. Teachers' Course in Fundamental Skills. The course offers practice in skills and methods in Physical Education activities. Winter quarter. Two credits. Woodward.

P.H.E. 148. Life Saving and Water Safety. The Red Cross Life saving and Water Safety instructor's certificate will be awarded to those who pass the course. *Prerequisite:* P.H.E. 13, *Life Saving*. Spring quarter. Three credits. Beard.

P.H.E. 150. Athletic Training. Diet, treatment of injuries, massage and bandaging. Study of modern athletic practices. Lectures, demonstrations, laboratory. Spring quarter. Three credits. Vannoy.

P.H.E. 151. Anatomy. (Formerly 125a). The study of muscles, bones, joints, and other systems. This course is important to Physical Education majors because of its relation to Physical Education activities. *Prerequisite:* P.H.E. 125. Winter and summer quarters. Five credits. Davidson.

P.H.E. 152. First Aid Instructor's Course. Teaching methods in bandaging, splinting, first aid care and transportation. Those who pass the course will receive the instructor's certificate and will be authorized to teach the Junior, Standard and Advanced First Aid. Spring quarter. Three credits. Beard.

P.H.E. 153. Apparatus Techniques. This course includes work on the horse, buck, parallel bars, horizontal bar, rings, and mat. Winter quarter. Two credits. Stavely.

P.H.E. 154. Football Rules and Officiating. Interpreting and applying rules to officiating techniques in football from the standpoint of coaches and officials. Intended primarily for students majoring or minoring in Physical Education. One hour per week in lectures and one hour per week in practical laboratory work as an intramural official. *Prerequisite:* P.H.E. 117 completed or in progress. Fall quarter. One credit. Stavely.

P.H.E. 155. Basketball Rules and Officiating. Interpreting and applying rules to officiating techniques in basketball from the standpoint of coaches and officials. Intended primarily for students majoring or minoring in Physical Education. One hour per week in lectures and one hour per week in practical laboratory work as an intramural official. *Prerequisite:* P.H.E. 118 completed or in progress. Winter quarter. One credit. Stavely.

P.H.E. 156. Baseball and Track Rules and Officiating. Interpreting and applying rules to officiating techniques in baseball and track from the standpoint of coaches and officials. Intended primarily for students majoring or minoring in Physical Education. One hour per week in lectures and one hour per week in practical laboratory work as an intramural official. *Prerequisites:* P.H.E. 119 and 123 completed or in progress. Spring quarter. One credit. Stavely.

P.H.E. 157. 6-Man Football Coaching. Theory, strategy, and techniques of coaching 6-man football. Includes fundamentals in blocking, tackling, passing, kicking, offensive formations, defensive maneuvers. Practice and training schedules. Fall quarter. Two credits. Stavely.

P.H.E. 160. Organization and Administration of Intramural and Sports Programs. Organizing and administering intramural and sports programs from interscholastic and intercollegiate viewpoints. Includes such problems as awards, records, promotion, publicity, point systems, and tournament drawing in relation to both indoor and outdoor activities for fall, winter, spring, and summer. Outdoor winter sports, track and field events, water sports, camps and playgrounds included. *Prerequisite:* Junior standing. Three credits. Fall quarter. Reese.

P.H.E. 161. Administration of Athletics in the Public School. Study of problems which arise in connection with the organization and management of public school athletics. Considers safety, finances, awards, officials, facilities, eligibility, sanitation, intramurals, all-star contests, athletics for girls, policies of national organizations. *Prerequisite: Senior standing.* Three credits. Winter quarter. Poffenroth.

PHYSICAL SCIENCES

NOTE: For Basic Requirements see Part II.

Major requirements for the degree of Bachelor of Arts:

23 cr. from Chemistry major.....	23 credits	or Physics	13 "
24 cr. from Physics major.....	24 "		
13 cr. from Chemistry, Geology,		Total.....	60 credits

Supporting requirements for the degree of Bachelor of Arts:

Math. 54, 55, 56 College Algebra, Trigonometry, Analytical Geometry.....	15 credits
--	------------

Academic major requirements for the degree of Bachelor of Arts in Education:

Chem. 51, 52, 53 General Chem.....	15 credits	15 credits in Chemistry, Geology,	
Phys. 61, 62, 63 General		or Physics	15 credits
Physics or			
Phys. 91, 92, 93 Engineering		Total.....	45 credits
Physics	15 "		

Minor requirements for the degree of Bachelor of Arts in Education:

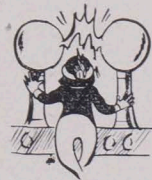
One or two of the following:

Phys. 61, 62, 63 or 91, 92, 93		Math. 54, 55, 56 College Alge-	
General or Engineering		bra, Trigonometry,	
Physics	15 credits	Analytical Geom.	15 credits
Chem. 51, 52, 53 General			
Chemistry	15 "	Total.....	15 or 30 credits

NOTE: Students who plan to become candidates for master's degrees are advised to complete two years of French or (preferably) German.

NOTE: Students who plan to become candidates for master's degrees should not choose such correlated majors as Physical Sciences without being sure that such majors will be available to them for graduate study.

PHYSICS



Assistant Professors Bell, Rogers, Tallyn; Instructor Stahl

NOTE: For Basic Requirements see Part II.

Major requirements for the degree of Bachelor of Arts:

Phys. 61, 62, 63 General or		Phys. 121 Analytical Mechanics (Statics)	
Phys. 91, 92, 93 Engineering		Phys. 122 Analytical Mechanics	
Physics	15 credits	(Statics and Dynamics)	
Choice of 30 credits from following:		Phys. 123 Analytical Mechanics	
Phys. 115 Heat		(Dynamics)	
Phys. 117, 118 Intro. to		Phys. 124, 125, 126 Electricity and	
Modern Physics		Magnetism (Advanced)	
Phys. 119, 120 Optics		Total.....	45 credits

Supporting requirements for the degree of Bachelor of Arts:

Math. 54, 55, 56 College Algebra, Trig., Analytical Geometry.....15 credits	Chem. 51, 52, 53 General.....15 credits
Math. 110, 111, 112 Calculus.....15 " "	Total.....45 credits

Academic major requirements for the degree of Bachelor of Arts in Education:

Same as for the degree of Bachelor of Arts.

Minor requirements for the degree of Bachelor of Arts in Education:

Choice of 15 or 30 credits in Physics courses not used to meet other requirements.

NOTE: *Students who plan to become candidates for master's degrees are advised to complete two years of French or (preferably) German.*

COURSE DESCRIPTIONS

Natural Sciences 4, 5, 6. Integrated Natural Sciences. Biological and Physical Sciences principal sources for instructional materials. Fall, winter, and spring quarters. Five credits each quarter. Rogers.

Phys. 3. Survey of the Physical Sciences. This course intends to give an understanding of the material universe and the relation of science to modern civilization. Considers briefly the essentials of different natural sciences and what constitutes scientific thinking and investigation. Provides material for elementary school science. All quarters. Five credits. Staff.

Phys. 21. Descriptive Astronomy. Brief consideration of the solar system planets, meteors, comets, etc.; some discussion of stars and stellar types, nebulae and galaxies; qualitative considerations of astronomical methods. While this course is non-analytic, students must have an acquaintance with elementary algebra. May be used to meet Phys. 3 requirement. Two credits. Winter and summer. Staff.

Phys. 41. Fundamentals of Electronics. A nontechnical treatment of the behavior of direct and alternating current phenomena, and a study of principles basic in radio, radar and related fields. The necessary mathematics involved is covered in the beginning of the course. Winter and spring quarters. Five credits. Rogers.

Phys. 51. Physical Science in the Junior High School. A general treatment of everyday application of physical principles. This course is designed particularly for prospective teachers of science in the junior high school, and includes demonstrations, experiments and the handling of apparatus. Five credits. Summer. Staff.

Phys. 60. Elements of Photography. Class limited to 10 students. A study of various types of cameras and an introduction to simple developing and printing processes. Fall and spring quarters. Three credits. Staff.

Phys. 61, 62, 63. General Physics. The laws of force and motion, properties of matter, nature and transformations of energy, and the fundamental physical phenomena of the universe with illustrations and application of the principles to familiar things. These courses run in sequence and should be begun in the fall quarter. Four class periods and one double laboratory period a week. Fall, winter and spring quarters. Five credits a quarter. Bell.

Phys. 91, 92, 93. Engineering Physics. This course is designed primarily for students of engineering, physics, and mathematics. Emphasis will be placed on the application of mathematics to physical and engineering problems. 91: Mechanics and Heat; 92: Electricity and Magnetism; 93: Light and Sound. *Prerequisite:* One year of college mathematics. Fall, winter, and spring quarters. Five credits a quarter. Bell.

Phys. 115. Heat. Study of heat transfer, temperature, change of state, heat measurements, introduction to kinetic theory and elementary thermodynamics. *Prerequisite:* Enrolment in Calculus, Phys. 63 or 93. Three recitations and lectures. Offered fall quarter 1949-50. Three credits. Stahl.

Phys. 117, 118. Introduction to Modern Physics. This is a survey course in modern physics which is built around the particles of modern physics, the electron, positive rays, photons, positrons, neutrons, mesotrons. X-rays, alpha, beta and gamma rays and cosmic rays. A considerable portion of this course will be problem solving. *Prerequisites:* Physics 61, 62, 63. Three lectures and recitations. Given in alternate years. Offered in the fall and winter quarters of 1948-1949. Three credits. Stahl.

Phys. 119, 120. Optics. This course is a study of the nature of light and its applications. *Prerequisites:* Physics 61, 62, 63; Calculus. Three lectures and recitations. One laboratory period per week. Given in alternate years. Not offered in 1949-50. Three credits per quarter. Stahl.

Phys. 121. Analytical Mechanics (Statics). A study of statics including force systems, friction, centroids, and moments of inertia. Numerous problems and applications. *Prerequisite:* Enrollment in differential calculus. Three recitations and lectures. Offered in alternate years. Offered in 1949-50. Winter quarter. Three credits. Stahl.

Phys. 122. Analytical Mechanics (Statics and Dynamics). A continuation of the study of statics with particular reference to the equilibrium of rigid bodies and an introduction to kinetics. Numerous applications. Three recitations. *Prerequisite:* Phys. 121. Offered in alternate years. Offered in 1949-50. Spring quarter. Three credits. Stahl.

Phys. 123. Analytical Mechanics (Dynamics). A study of dynamics including the motion of a particle, kinetics of rigid bodies, work and energy, momentum, impact. Numerous problems. *Prerequisite:* Phys. 122. Offered in alternate years. Not offered in 1949-50. Three credits. Bell.

Phys. 124, 125, 126. Electricity and Magnetism (Advanced). Elementary and mathematical theory of electrostatics, magnetostatics, magnetism, steady and varying currents, electron theory, and electromagnetic waves. Offered in alternate years. Not offered in 1949-50. Three credits each quarter. Bell.

Physics 160. Advanced Photography. An extension of Elements of Photography with considerable work in advanced enlarging techniques, portraiture with emphasis on lighting, architectural photography, copying, retouching, slide making, color transparencies, and color prints. *Prerequisite:* Physics 60. Two three-hour laboratory periods a week. Given in the spring quarter. Three credits. Stahl.

POLITICAL SCIENCE



Professor Ludwig; Assistant Professors Dayton, Payne, Stewart;
Instructors Fisher, Montagno

NOTE: *For Basic Requirements see Part II.*

Major requirements for the degree of Bachelor of Arts:

Pol. Sci. 67, 68 Intro. American Gov't.	10 credits	Pol. Sci. 127 Comparative Gov't.	
Pol. Sci. 129, 130 Intro. Constit. Law	10 "	Pol. Sci. 128 International Relations	
Choice of 25 credits from following:		Pol. Sci. 133 Amer. Political Thought	
Pol. Sci. 95 Public Opinion & Prop.		Pol. Sci. 135 Imper. & World Politics	
Pol. Sci. 100 Political Parties		Pol. Sci. 140 Hist. Political Thought	
Pol. Sci. 103 Municipal Gov't.		Pol. Sci. 145 Public Administration	
Pol. Sci. 107 State Gov't.		Pol. Sci. 155 International Relations of Far East	
Pol. Sci. 110 Amer. Foreign Policy		Pol. Sci. 160 International Law	
		Total.....	45 credits

Supporting requirements for the degree of Bachelor of Arts:

Math. 47 Statistics—5 credits	Hist. 52, 53, 54 Europe
Choice of 26 credits from the following:	Soc. 61 General
Econ. 62, 63 Principles of Economics	Soc. 121 Social Origins
Econ. 140 World Economic Problems	Soc. 140 Social Institutions
Geog. 1 Elements	Soc. 122 Contemporary Soc. Probs.
Geog. 2 World	French 1, 2, 3, 4, 5, 6
Geog. 109 Political	German 1, 2, 3, 4, 5, 6

NOTE: *Students who plan to become candidates for master's degrees are advised to complete two years of a modern foreign language.*

Academic major requirements for the degree of Bachelor of Arts in Education: Same as for the degree of Bachelor of Arts.

Minor requirements for the degree of Bachelor of Arts in Education: Choice of 15 or 30 credits in Political Science courses not used to meet other requirements.

COURSE DESCRIPTIONS

Social Studies 7, 8, 9. Integrated Social Studies. Economics. Geography, History, Political Science, and Sociology principal sources for instructional materials. Fall, winter, and spring quarters. Five credits each quarter. Staff.

Pol. Sci. 67, 68. Introduction to American Government. These two courses provide a basic background for the advanced study of American Government and our democratic institutions. Particular consideration will be given to the Constitution and its background, civil rights, political parties and election processes, federal and state courts, the organization of national, state and local governments and how they function. Each course carries five credits and should be taken in sequence. Both courses are required for political science majors. Five credits. Dayton.

Pol. Sci. 95. Public Opinion and Propaganda. An objective study of propaganda in modern times with emphasis upon its scope, techniques, power and effects on society. What can we believe? Are you a propagandist? How can one get at the truth? Is all propaganda false? These and other questions will be considered. Four credits. Ludwig.

Pol. Sci. 100. Political Parties. The origins, functions, issues and development of political parties in the United States; the electorate, party conventions, leadership, platforms, suffrage, elections and constitutional issues related thereto. *Prerequisites:* Hist. 1, Pol. Sci. 67, 68. Three credits. Staff.

Pol. Sci. 103. Municipal Government. The development of town and city administration from colonial times to today; departmentalization, budgets and finance, civil service, current types of municipal administration and present-day trends and problems. *Prerequisites:* Pol. Sci. 67, 68. Four credits. Staff.

Pol. Sci. 107. State Government. Colonial background of the thirteen original states, territories, admission of new states, division of powers between the states and the federal government, the state constitutions, powers of the governor, the legislature and the courts, together with certain basic constitutional issues that have emerged since 1776. *Prerequisites:* Hist. 1, Pol. Sci. 67, 68. Four credits. Staff.

Pol. Sci. 110. American Foreign Policy. A study of the rise of the United States as a full-fledged member of the Family of Nations since 1776; emphasis will be given to the major diplomatic conflicts with foreign powers, the basis of American neutrality, the Monroe Doctrine, the Open Door Policy, our participation in two world wars, and our position today. (This course is also listed as Hist. 125). *Prerequisites:* Hist. 1 and 2, or consent of the instructor. Five credits. Stewart.

Pol. Sci. 127. Comparative Government. A comparative study of the government and politics of the principal foreign nations with particular attention to Great Britain, France, Germany, Russia, Japan and Italy. Four credits. Ludwig.

Pol. Sci. 128. International Relations. A survey of the fundamental policies of the leading world powers in the light of their historical development. Special emphasis on the geographical, economic, and racial causes of these national policies. Spring quarter. Five credits. Payne.

Pol. Sci. 129, 130. Introduction to Constitutional Law. The growth of American constitutional government with special emphasis on the most notable of the constitutional interpretations of the Supreme Court. Both courses carry five credits and must be taken in sequence. Both are required for Political Science majors. *Prerequisites:* Ec. Bus. 62, Pol. Sci. 67, and one or more courses in American History. Ludwig.

Pol. Sci. 133. American Political Thought. The origins and evolution of the ideas and principles of the American constitutional system and representative democracy prior to 1787, and to today. The political and social philosophy of British and Continental authorities will be stressed, together with those of the leading colonists, the Founding Fathers, and the outstanding American thinkers of the nineteenth and twentieth centuries. *Prerequisites:* Hist. 1, Ec. Bus. 62, Pol. Sci. 67, 68. Five credits. Ludwig.

Pol. Sci. 135. Imperialism and World Politics. An analysis of the economic, social, political, and ideological factors in modern imperialism, with its effects upon international rivalries since the later nineteenth century. Five credits. Payne.

Pol. Sci. 140. History of Political Thought. This course takes the student back to the early thinkers on the origins and functions of the State, the concepts of sovereignty, political power and organization, the rise of representative government and the historical personalities connected with these processes. All shades of political thought and practices will be traced through the centuries of today. Five credits. Staff.

Pol. Sci. 145. Public Administration. A close study of the executive, legislative and judicial branches of the federal and state governments and their interrelations in carrying out the processes of the public business under law. Emphasis will be placed on the growth of bureaucracy and the regulation of businesses affected with a public interest. *Prerequisites:* Hist. 1, Ec. Bus. 62, 63, 64; Pol. Sci. 67, 68. Five credits. Ludwig.

Pol. Sci. 155. International Relations of the Far East. This course aims to present the historical development of direct commercial and diplomatic relations between the trading nations of Europe and the countries of East Asia from the discovery of America down to the present. Emphasis will be given to the Commercial Revolution and its effects upon Europe and Asia, the conflicting interests growing out of the opening of China and Japan to world trade and diplomatic intercourse, the weakness of China, the rise of Japan, Russian expansion to the East, the system of Balance of Power, and the present complexities of the Far Eastern situation following the defeat of Japan in the recent war. Five credits. Ludwig.

Pol. Sci. 160. International Law. The study of the Law of Nations, its root sources and slow development, its strength and weaknesses, and the attempts at codification in modern times. Emphasis will be given to great multilateral treaties, arbitration, international courts of justice, the problems associated with the concepts of national sovereignty, and the so-called laws of peace and war. *Prerequisite:* One of the following, Hist. 52, Hist. 125, Hist. 190, Pol. Sci. 128. Five credits. Staff.

PSYCHOLOGY



Associate Professors Barber, Heisler; Instructors Brown, Cassidy, Tilley

NOTE: For Basic Requirements see Part II.

Major requirements for the degree of Bachelor of Arts:

Psych. 1 General Psychology—5 credits	Psych. 137 Adjustment—5
Choice of 40 credits from the following:	Psych. 139 Clinical—5
Psych. 37 Personality	Psych. 140 Abnormal—4
Psych. 80 Applied—4	Psych. 155 Child Development—5
Psych. 101 Experimental—5	Psych. 160 Adolescence—4
Psych. 111 Physiological—5	Psych. 165 History
Psych. 121 Measurements—5	Psych. 170 Vocational Guidance—3
Psych. 130 Atypical Children—4	Psych. 179 Clinical Practice—5
Psych. 136 Social—5	Total—45 credits

Supporting course requirements for the degree of Bachelor of Arts:

Biol. 51, 52, 53 Zoology.....	12 credits	P.H.E. 125 Physiology.....	5 credits
Math 54 College Algebra.....	5 "	Soc. 61 General.....	5 "
Math. 47 Statistics.....	5 "		
		Total.....	31 credits

Recommended for supporting course, general education and free elective purposes:

Biol. 54 Comparative Anatomy	Math. 56 Analytical Geometry
Biol. 121 Genetics	Math. 110, 111, 112 Calculus
Chem. 51, 52, 53 General	Philosophy 51 Introduction
Econ. 62 Prin. of Economics	Philosophy 53 Ethics
Econ. 128 Personnel Mgt.	Phys. 3 Survey Physical Sciences
Ed. 141 Guidance	Physics 61, 62, 63 General
Ed. 149 Tests & Measurements	P.H.E. 151 Anatomy
French 1, 2, 3, 4, 5, 6	Pol. Sci. 67 American Gov't.
Humanities 1, 2, 3 Integrated	Pol. Sci. 145 Public Administration
Humanities	Pol. Sci. 95 Public Opinion & Prop.
Nat. Sci. 4, 5, 6 Integrated Natural	Soc. 121 Social Origins
Sciences	Soc. 135 Youth & Marriage
Soc. Stu. 7, 8, 9 Integrated Social Studies	Soc. 70 The Family
German 1, 2, 3, 4, 5, 6	Soc. 152 Juvenile Delinquency
H. Ec. 168 Child Care	Soc. 160 Interracial Relations
Math. 55 Trigonometry	

NOTE: *Students who plan to become candidates for master's degrees are advised to complete two years of French or German.*

Academic major requirements for the degree of Bachelor of Arts in Education: Same as for the degree of Bachelor of Arts.

Minor requirements for the degree of Bachelor of Arts in Education: Choice of 15 or 30 credits in Psychology not used to meet other requirements.

COURSE DESCRIPTIONS

Psych. 1. General Psychology. Introduction to objectives and techniques employed in the study of human behavior. Special attention given to psychological principles which will aid in more successful living and teaching. All quarters. Five credits. Barber, Brown.

Psych. 37. Psychology of Personality. The principles involved in the development of wholesome personality. Fall quarter. Three credits. Barber.

Psych. 80. Applied Psychology. A course in application of psychology to problems of life and work with some emphasis on Psychology of Business. *Prerequisite:* General Psych. Four credits. Brown.

Psych. 101. Experimental Psychology. This is a course to acquaint the student with experimental techniques in the field of learning and in preparation of reports of experimental results. *Prerequisite:* Psych. 1. Five credits. Brown.

Psych. 103. Seminar in Psychology. Designed to bring together each quarter majors in Psychology (and interested minors) for the purpose of studying topics selected by the seminar. Majors may enroll for four quarters; minors for three quarters. *Prerequisite:* 15 credits in Psychology. One credit a quarter. Brown.

Psych. 111. Physiological Psychology. Designed to acquaint the student with physiological mechanisms involved in human behavior. Attention focused on structure and function of the nervous system. Reflex and instinctive behavior, and modifications with maturation and learning. *Prerequisites:* General Psych. Five credits. Staff.

Psych. 121. Psychological Measurements. The theory and practice of psychological testing. Five credits. Staff.

Psych. 130. Atypical Children. *Prerequisites:* Junior standing; Psych. 1. Four credits. Staff.

Psych. 131. Research in Psychology. An opportunity for students with adequate background and experience to make intensive and independent study of some special problem in psychology. Interested students should confer with Dr. Williamson before enrolling and indicate to him the nature of the study they wish to develop. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; completion of all basic requirements. Credits and hours to be arranged.

Psych. 136. Social Psychology. Human conduct as influenced by group relationships. Fundamental concepts, such as custom, suggestion, sympathy, emotion, cooperation and conflict. Consideration of personality, individuality and leadership in their relation to social progress. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; Psych. 1; completion of all basic requirements. Winter quarter. Four credits. Barber, Brown.

Psych. 137. Psychology of Adjustment. Conditions and processes which make for a wholesome mental outlook and a normal personality development. Nature of personality and of adjustment. Early childhood and changing social environment factors in personality integration. Physical, mental and emotional bases of adjustment. Problems of the pre-school child, the elementary school child, and the adolescent. Case studies. *Prerequisite:* a cumulative grade point average of 1.00. Fall quarter. Five credits. Barber.

Psych. 139. Clinical Psychology. Precedes course in Clinical Practice. Designed to acquaint student with tools and techniques currently employed in the diagnosis and therapy for a variety of adjustment problems. *Prerequisite:* Instructor's consent. Five credits. Brown.

Psych. 140. Abnormal Psychology. The atypical mind, with particular reference to causes and explanations and to the relationship of abnormal phenomena to the normal. The development of concepts especially useful in dealing with exceptional and disordered cases. Practical case studies. *Prerequisites:* Junior standing; a cumulative grade point average of 1.00; Psych. 1; completion of all basic requirements. Spring quarter. Three credits. Barber.

Psych. 155. Child Development. The educational significance of the main facts and problems of child growth. The principles of learning. The role of the culture in the shaping of personality. *Prerequisites:* a cumulative grade point average of 1.00; completion of all basic requirements. All quarters. Five credits. Heisler.

Psych. 160. Adolescence. *Prerequisite:* Psych. 1; Junior standing. Four credits. Staff.

Psych. 165. History of Psychology. Designed to acquaint the student with the trends in American psychology, the leading figures and their influence. *Prerequisites:* Psych. 1 and instructor's consent. Three credits. Brown.

Psych. 170. Vocational Guidance. A course to acquaint the student with diagnostic tools and counseling techniques applicable to problems of vocational adjustment. *Prerequisite:* Junior standing; Psych. 1. Three credits. Brown.

Psych. 179. Clinical Practice. *Prerequisite:* Junior standing; *Psych. 139.* Five credits. Brown.

Psych. 185, 186, 187. Advanced Educational Psychology. Advanced problems arising from children's adjustments and behavior in public school situations. *Prerequisites:* *Psych. 1, 155.* Two credits a quarter. Cassidy.

SOCIAL STUDIES

Major requirements for the degree of Bachelor of Arts:

Econ. 62, 63 Intro. to Economics	10 credits	Choice of 10 cr. in Sociology.....	10 "
Pol. Sci. 67, 68 American Government	10 "	Choice of 20 credits in Econ., Geog., Hist., Pol. Sci., Soc.....	20 credits
Choice of 10 cr. in Geography.....	10 "	Total.....	60 credits

Supporting requirements for the degree of Bachelor of Arts:

Psych. 1, General Psychology 5. Choice of 5 credits in Philosophy.

Major requirements for the degree of Bachelor of Arts in Education:

Choice of 45 credits in Economics, Geography, History, Political Science, and Sociology.

Minor requirements for the degree of Bachelor of Arts in Education:

Choice of 15 or 30 credits in Economics, Geography, History, Political Science, and Sociology courses not used to meet other requirements.

SOCIOLOGY



Professors Kingston, Ludwig; Assistant Professors Stewart, Shaw; Instructor Fisher

NOTE: For Basic Requirements see Part II.

Major requirements for the degree of Bachelor of Arts:

Soc. 61 General Sociology—5 credits	Soc. 135 Youth & Marriage—5
Choice of 40 credits from the following:	Soc. 140 Social Institutions—5
Soc. 70 The Family—4	Soc. 145 Social Stratification—3
Soc. 111 Rural-Urban Sociology—3	Soc. 152 Juvenile Delinquency—4
Soc. 121 Social Origins—4	Soc. 155 Criminology—5
Soc. 122 Disorganization—5	Soc. 163 Penology—3
Soc. 125 Organization Structure—5	Soc. 160 Research in Criminology—3
Soc. 128 Control, Change Prog.—5	Soc. 165 Sociological Theory—5
Soc. 131 Soc. Thought in West, Civilization—4	Soc. 167 Group Behavior—4
	Total—45 credits

Supporting course requirements for the degree of Bachelor of Arts:

Math. 47 Statistics—5 credits	H. Ec. 159 Household Mgt.
Choice of 26 credits from the following:	Geog. 2 World
Philosophy 51 Introduction	Geog. 103 Commodities & Trade
Philosophy 53 Ethics	Ed. 134 Social Foundations
Psych. 137 Adjustment	Ed. 174 Ed. Sociology
Psych. 136 Social	Econ. 62, 63 Prin. of Economics
Psych. 140 Abnormal	Econ. 108 Econ. Hist. of U. S.
Psych. 155 Child Development	Econ. 125 Labor Probs. & Legis.
Pol. Sci. 67 American Government	Econ. 141 World Econ. Problems
Pol. Sci. 95 Public Opin. & Propaganda	Total—30 credits
H. Ec. 56 Nutrition	

NOTE: Students who plan to become candidates for master's degrees are advised to complete two years of a modern foreign language.

Academic major requirements for the degree of Bachelor of Arts in Education: Same as for the degree of Bachelor of Arts.

Minor requirements for the degree of Bachelor of Arts in Education: Choice of 15 or 30 credits in Sociology courses not used to meet other requirements.

COURSE DESCRIPTIONS

Social Studies 7, 8, 9. Integrated Social Studies. Economics, Geography, History, Political Science, and Sociology principal sources for instructional materials. Fall, winter, and spring quarters. Five credits each quarter. Staff.

Soc. 61. General Sociology. The nature, structure and evolution of modern society; the forces that shape personal and group relationships with emphasis on the idea of social progress. All quarters. Five credits. Ludwig.

Soc. 70. The Family. A description of family and marriage customs; family interaction and organization; the family and personality, social, and cultural development; changing family institutions; family disorganization. *Prerequisite:* *Sophomore standing.* At least one previous course in sociology is recommended. Three credits. Shaw.

Soc. 111. Rural-Urban Sociology. Contrasts of the social environment of the city and country; rural and urban interaction, interdependence, and dominance; social organization and problems typical to each mode of life. *Prerequisite:* *Sophomore standing.* Five credits. Shaw.

Soc. 121. Social Origins. Racial and social origins, growth of customs, the beginnings of civilization, a general view of the pre-historic period. *Prerequisite:* *Soc. 61, Ec. Bus. 62 and Pol. Sci. 67.* Fall and summer quarters. Four credits. Kingston.

Soc. 122. Social Disorganization. A consideration of some of the break-downs of present day society, their causes and consequences. Considerable attention will be given to specific situations and an attempt made to relate the various factors to the experience of the individual. *Prerequisite:* *Soc. 61.* Five credits. Stewart.

Soc. 125. Social Organization and Structure. Analysis of the primary social concepts; relationship of the individual to society and the development of social roles; description of the fundamental social organizations: the community, social classes, crowds, political, economic, and cultural associations; the environment and culture. *Prerequisites:* *Soc. 61 and sophomore standing.* Five credits. Shaw.

Soc. 128. Social Control, Social Change, and Social Progress. The informal modes of social control such as customs, modes, and institutions contrasted with the formal modes of control as exemplified in law, education, public opinion, and propaganda; a description of social codes and sanctions; the concept of social change: society considered as evolving or in historical process; the concept of social progress developed in relation of social change to social control. *Prerequisite:* *Soc. 125.* Five credits. Shaw.

Soc. 131. Social Thought in Western Civilization. A study of the major intellectual achievements of Western civilization with special emphasis on the part which they play in contemporary thought. Attention will be given to Greek, medieval, and modern philosophical, religious and scientific thought as they influence the social thinking of the present. Extensive reading. *Prerequisite:* *Junior or Senior standing or special permission.* Spring quarter. Four credits. Stewart.

Soc. 135. Youth and Marriage. A study of the family with special emphasis upon infancy, childhood, adolescence, maturity, emotional development, friendships, dating, courtship, engagement, marriage and parenthood. Due consideration will be given to mental hygiene, problems of health and disease, delinquency, personality, and situations that might lead to divorce and broken homes. Five credits. Ludwig.

Soc. 140. Social Institutions. A survey study of the institutional development which has created modern society. Emphasis is usually placed upon organized religion, the family, education, the economic system, and political party institutions of this country. *Prerequisite:* Soc. 61. Five credits. Fisher.

Soc. 145. Social Stratification. The nature of social classes; class contrasted with caste and race division; the basis of class distinctions; social classes and the community; Veblen's Theory of the Leisure Class; the Marxist philosophy of class. *Prerequisite:* Soc. 61 or 125. Three credits. Shaw.

Soc. 152. Juvenile Delinquency. A study of the youth problem of today and the various factors leading to delinquency. A considerable part of the course will be devoted to case studies and specific solutions suggested. *Prerequisite:* Soc. 61. Five credits. Stewart.

Social Ethics. See Philosophy 154. This course will apply to a major in Sociology. *Prerequisite:* Junior standing or special permission of the instructor. Five credits. Shaw.

Soc. 155. Criminology. An intensive study of the social nature of crime, its extent and cost, and the various factors leading to crime. Attention is given to the newer forms of lawbreaking such as "white-collar crime" and the various "rackets." A number of outside speakers, specialists in their fields, will be presented during the quarter. *Prerequisite:* Soc. 61. Five credits. Stewart.

Soc. 160. Research in Criminology. Class examination of a number of specific topics relating to crime. The seminar method will be used. *Prerequisites:* Sociology 155 and the consent of the instructor. Three credits. Stewart.

Soc. 163. Penology. The study of punishment, its origin, purposes, and various forms, both in the past and present. If a sufficient number are interested, a visit of inspection will be made to the State Penitentiary. Three credits. Stewart.

Soc. 165. Sociological Theory. The development of social thought from its origins in the folkways of early people into modern times. Stress is placed upon the organized thinking of Comte, Malthus, Spencer, Ward and other scholars who have helped make Sociology an esteemed subject. *Prerequisite:* Soc. 61. Five credits. Fisher.

Soc. 167. Group Behavior. Social forces play upon the personality of the individual. The resulting psychological reactions influence the behavior of the group. The sociological manifestations of this process are given consideration in this course. *Prerequisite:* Soc. 61. Four credits. Fisher.

SPANISH



Instructors Davis, Stavelly

NOTE: *For Basic Requirements see Part II.*

See Modern Languages Major Requirements.

COURSE DESCRIPTIONS

Spanish 1, 2, 3. First Year Spanish. Grammar, composition, reading of simple texts. Student must begin work in the fall quarter and continue it throughout the year. Five credits a quarter.

Spanish 4, 5, 6. Second Year Spanish. A rapid review of syntax, reading of magazines, newspapers and text. To be taken consecutively beginning with the fall quarter. Five credits a quarter.

Advanced Spanish courses for third and fourth year students will be listed on the Time Schedule for 1948-49.

Span. 107. Representative Plays of the Golden Age and the Age of Calderon. Works of Lope de Vega, Ferso de Molina and Calderon will be read for literary appreciation. Three credits.

Span. 108. Romanic Drama. Representative plays of Martinez de la Roas, Duque de Revas, Guttierrez and Hartzenbusch will be read. Three credits.

Span. 110. Spanish Prose. Selections from Valle-Inclan, Ibanez, Valdes Becquer, et al will be used as representative works. Three credits.

Span. 111. Spanish Short Story. Representative stories of Valle-Inclan, Unamuno, Becquer, et al will be read. Three credits.

Span. 115. Outstanding Writers of Latin America. The works of such writers as Ruben Dario, Gabriela Mistral, and Sarmiento will be considered for their literary and for political significance. Three credits.

Span. 116. Mexican Literature. The political and literary importance of such writers as Sor Juana, Altamirano Jose Othon, Lizardi and Parra will be discussed. Three credits.

Humanities 51. Introduction to the Study of Languages. The development and differentiation of the languages of Europe, including historical changes and comparison of language forms. Especially recommended for modern language majors, but open to all students. Three credits.

SPEECH



Instructors Cranmer, Dodds, Stevens

NOTE: *For Basic Requirements see Part II.*

Major requirements for the degree of Bachelor of Arts:

For students majoring in Speech a variety of program is possible. The college desires to maintain a maximum of individual flexibility in the development of each student's major program, but recognizes that such programs within the Speech major will naturally fall within the following groups. The following suggested group patterns are expected to meet the needs of most students; other patterns may be developed under the guidance of the student's counselor.

The total number of credits required for this major is 45.

GROUP A

- | | |
|---|---|
| Sp. 52 Speech Delivery
Sp. 53 Voice for Speech
Sp. 100, 101, 102 College Play
Sp. 103 Creative Dramatics
Sp. 104 Techniques of Interpretive Read.
Sp. 106, 107, 108 Play Production
Sp. 109 Directing
Sp. 110 Acting
Sp. 111 Stage Design
Sp. 112 Children's Theater
Sp. 113 Stage Lighting | Sp. 114 Stage Make-up
Sp. 115, 116, 117 History of the Theater
Sp. 118 Creative Dramatics Demonstration
Sp. 119 Choric Verse Speaking
Sp. 131 Advanced Interpretive Reading
Sp. 173 Radio Acting and Directing
Sp. 179 Dramatics in the Public School
Eng. 150 Shakespeare
Eng. 152 Elizabethan Drama
Eng. 156 Ibsen and Shaw
Eng. 158 Modern Drama |
|---|---|

GROUP B

- | | |
|---|---|
| Sp. 52 Speech Delivery
Sp. 53 Voice for Speech
Sp. 61 Forms of Public Address
Sp. 103 Creative Dramatics
Sp. 104 Techniques of Interpretive Read.
Sp. 112 Children's Theater
Sp. 118 Creative Dramatics Demonstration | Sp. 119 Choric Verse Speaking
Sp. 130 Oral Reading of Literature
Sp. 131 Advanced Interpretive Reading
Sp. 140 Speech Re-education
Sp. 142 Clinical Practice
Sp. 175 Speech in the Public School
Sp. 179 Dramatics in the Public School |
|---|---|

GROUP C

- | | |
|---|--|
| Sp. 52 Speech Delivery
Sp. 53 Voice for Speech
Sp. 61 Forms of Public Address
Sp. 70 Intro. to Radio Techniques
Sp. 71 Speech for Radio
Sp. 104 Techniques of Interpretive Read.
Sp. 119 Choric Verse Speaking
Sp. 130 Oral Reading of Literature
Sp. 131 Advanced Interpretive Reading | Sp. 173 Radio Acting and Directing
Sp. 174 Radio Program Directing and Production
Journ. 51 Public Relations
Journ. 70 Radio Continuity
Journ. 170 Advanced Radio Continuity
Journ. 172 Radio Commercial Copy
Journ. 174 Radio Newswriting and Editing |
|---|--|

Supporting requirements for the degree of Bachelor of Arts: Choice of 45 credits from the following fields, upon approval of counselor:

- | | |
|---|---|
| Foreign Language
Literature
Psychology
Sociology | Education
Philosophy
History
Writing |
|---|---|

NOTE: *Other courses may be offered in support of the major, subject to the approval of the major counselor or the registrar.*

NOTE: *Students who wish to qualify for the degrees of both Bachelor of Arts and Bachelor of Arts in Education can count the following courses (31 credits) as part of the supporting requirements (45 credits) for the Speech major.*

Ed. 134 Social Foundations
Ed. 178 Curriculum
Hist. 63 Wash. History and Gov't.
H. Ec. 56 Nutrition

P.H.E. 1 Health Fundamentals
Psych. 1 General Psychology
Psych. 155 Child Development

Academic major requirements for the degree of Bachelor of Arts in Education: Same as for the degree of Bachelor of Arts.

Minor requirements for the degree of Bachelor of Arts in Education; Choice of 15 or 30 credits in Speech not used to meet other requirements.

COURSE DESCRIPTIONS

Speech 11. Remedial Speech. A remedial course designed to treat such defects of speech as would ordinarily hinder effective teacher performance. All students planning either to teach or to take speech work are required to take this course if assigned to it from the speech test. No credits. Fee 25 cents.

Speech 51. Speech Fundamentals. A beginning course in public speaking emphasizing the development of confidence and effective oral organization. A student assigned to Speech 11 may, by permission of the instructor, register for Speech 51 before taking Remedial Speech. Three credits.

Speech 52. Speech Delivery. A continuation of Speech 51, with special emphasis on interpretation and delivery before a group. *Prerequisite:* Speech 51. Two credits.

Speech 53. Speech for Teachers. Training aims at the elimination of unpleasant voice habits and at making the voice responsive to thought and feeling. Required of all majors in Speech, and of teacher-training students on assignment. Three credits. Fee 50 cents.

Speech 55. Speech for Conversation and Social Usage. Aimed at the development of ease and naturalness in conversation and of poise. Practice in the course will be set in social situations typically encountered in and out of college. Especially recommended for prospective teachers, but open to all students. Two credits.

Speech 60. Public Discussion. A modern discussion program in which students, both men and women, give addresses on current problems before outside audiences. Registration must be made during fall quarter and requires the approval of the instructor in charge. Three credits a season allowed on recommendation of the instructor in charge.

Speech 61. Forms of Public Address. Study and practice in the structure and style of the various forms of public address, based on analysis of modern speeches. *Prerequisite:* Speech 51. Three credits.

Speech 70. Introduction to Radio Techniques. A survey of methods used and problems encountered in the production and performance of the various types of radio programs. Workshop approach. *Prerequisite for all Radio courses.* Two credits.

Speech 71. Speech for Radio. Microphone technique. Announcing, interviewing, drama, continuity, special events types. Study of current radio and practice under laboratory conditions. Three credits.

Speech 100, 101, 102. College Play. A course designed for those who wish to participate in the college dramatic productions. Its members will serve in all phases of the production in addition to the actual acting assignments. Every aspect of the production will emanate from this section. Three credits each.

Speech 104. Techniques of Interpretive Reading. Beginning techniques involving the approach to thinking, timing, structural analysis, attainment of illusion and vocal production for successful interpretive reading. *Prerequisite: Speech 51.* Three credits.

Speech 103. Creative Dramatics. Survey of the literature suitable for dramatization; demonstration classes. *Prerequisite: English 103, or consent of the instructor.* Three credits.

Speech 106, 107, 108. Play Production. Technical divisions of the stage. Fundamentals of stage craft. Fall: Beginning principles of construction. Theory. Winter: Costuming, make-up, directing, and acting. Spring: Stage lighting and scene design. It is recommended that the student complete all three courses consecutively. Three credits each.

Speech 109. Directing. Technique of directing a play; problems of the director; suggested lists of plays. Each student is required to cast and direct a one-act play for class production. *Prerequisite: Instructor's permission.* Three credits.

Speech 110. Acting. The art of character interpretation on the stage. *Prerequisite: Instructor's permission.* Three credits.

Speech III. Scene Design. A survey of methods used and problems encountered by the modern scenic artist. A study of modern tendencies, techniques, and media. *Prerequisite: Speech 106, 107, 108.* Three credits.

Speech 112. Children's Theater. Production; direction; type of plays. *Prerequisite: Speech 105.* Two credits.

Speech 113. Stage Lighting. A course designed to evaluate present day techniques of stage lighting methods. Special emphasis on classification, procedure, media and instruments. *Prerequisite: Speech 108.* Three credits.

Speech 114. Stage Make-up. A course designed primarily as laboratory sessions where the student may make advanced study of basic and advanced techniques and principles of straight stage and character make-up. *Prerequisite: Speech 107.* Two credits.

Speech 115, 116, 117. History of the Theater. A study of the development of the theater from its beginnings to modern times. Intended as a background for the appreciation of the development of the art of the theater in its great periods. Fall quarter: Greek, Roman, Medieval, and Pre-Shakespearean. Winter quarter: Elizabethan and Neo-Classical. Spring quarter: Restoration and Victorian. It is recommended that the student complete all three courses consecutively. Three credits each.

Speech 118. Creative Dramatics Demonstration. Demonstrations with elementary school children to creative dramatics and choral reading. Open to all. Two credits.

Speech 119. Choric Verse Speaking. *Prerequisite: Speech 51.* Two credits.

Speech 130. Oral Reading of Literature. Training in the mental and vocal techniques essential in reading aloud from the printed page. Training in the analysis and technique of artistic oral interpretation of various forms of literature. *Prerequisite: Speech 53.* Two credits.

Speech 131. Advanced Interpretive Reading. Designed primarily as course for the advanced interpretive reader who is interested in play reading and book review recital techniques. *Prerequisite: Instructor's permission.* Two credits.

Speech 140. Speech Re-education. A study of procedures in handling remedial speech in the public school and clinical practice in treating speech disorders. Five credits.

Speech 142. Clinical Practice. Clinical work, under supervision, in connection with the remedial speech programs of the College Elementary School and the College. May be taken throughout the year for credit. *Prerequisite: Speech 140.* One to four credits a quarter.

Speech 173. Radio Acting and Directing. A lecture-laboratory course in two parts. a. (first part of quarter) study of character, performance techniques, regional and foreign dialects and characterization problems. b. Application of techniques in the production on program types with student participation in the broadcasts of the Eastern Washington College Radio Workshop at a Spokane station. *Prerequisite: Radio Techniques (Sp. 70); Speech Fundamentals (Sp. 51).* Five credits.

Speech 174. Radio Program Directing and Production. A continuation of Speech 173. Lecture-laboratory course with emphasis upon the practical application of theory to production problems, techniques, and procedures. Student participation in programming, selling, continuity, acting and directing with the Eastern Washington College Radio Workshop at a Spokane station. Five credits.

Speech 176. Speech in the Public School. A course in the techniques of setting up a speech program to meet the needs of elementary and junior high school pupils. Three credits.

Speech 179. Dramatics in the Public School. Techniques in handling dramatic work in the public schools. Two credits.

Eng. 150. Shakespeare. Reading and interpretation of the principal comedies, histories and tragedies of Shakespeare, intensive study of one play. Five credits.

Eng. 152. Elizabethan Drama. Exclusive of Shakespeare, the drama of the Age of Elizabeth, especially Marlowe, Jonson, Ford, Beaumont and Fletcher, and Webster. Three credits.

Eng. 156. Ibsen and Shaw. A full study of the two most widely influential 19th Century dramatists, and a study of their influence upon subject matter, staging, and dramatic techniques. Three credits.

Eng. 158. Modern Drama. The chief contemporary dramatists. Study of trends and developments in subject matter, staging, and dramatic techniques. Three credits.

INDIVIDUAL PROBLEM MAJOR

Objective. The individual Problem Major is for students who desire to plan their college program around the study of a problem, area, or field of knowledge not provided for in any already existing major but within the scope of the facilities of the college.

Administration. The Individual Problem Major is in charge of a coordinator appointed by the President of the college. The coordinator appoints for each student two additional members of the faculty to serve with him as a coordinating committee to provide guidance for the student as well as determine which courses must be included in the major. The coordinator serves as chairman of all coordinating committees.

Admission. The student must have earned not less than 45 or more than 105 credits with a cumulative grade point average of 1.00 ("C") in order to elect this major.

Requirements. The major requirements include not less than 60 or more than 90 credits approved by the coordinating committee.

Part IV. Junior College Opportunities

Objectives: Students who are interested in doing junior college work find a wide variety of arts and sciences, pre-professional, and pre-technical courses open to them at the Eastern Washington College. The junior college curriculum meets the needs of several groups of students: (1) those who wish to transfer to universities and other colleges after completing one or two years' work at Eastern; (2) those who desire a college education but have not chosen a major field; and (3) those who plan to complete only one or two years of college work.

The student who has not made a decision as to which major he wishes to complete may take basic courses which will: (a) aid him to make an intelligent choice of a profession or major field; (b) provide a foundation for later specialization, or (c) insure a good general education. If such a student chooses a major offered by the Eastern Washington College he may remain at the College for his junior and senior years. Students who plan to complete only two years of college work may secure two years of general education at Cheney and also have some opportunity to specialize.

Pacific Coast colleges and universities which offer professional, technical, or arts and sciences curricula accept Eastern Washington College credits toward sophomore or upper division requirements.

Schedules: The class schedules of junior college students are in every instance planned to meet individual needs.

A few typical junior college programs follow:

Arts and Sciences (General)

English Composition	9 credits	Additional Natural	
Survey of English Literature.....	9 "	Sciences (12-15)	
Foreign Language	15 "	Additional Social	
Natural Sciences	12-15 "	Studies (12-15)	
Social Studies	12-15 "	P. E. Activity each quarter	
Two or three of following:			
Additional Language (15)		Total.....	93-99 credits

Pre-Agriculture

English Composition	9 credits	Humanities	
General Chemistry	15 "	Social Science	
Botany	8 "	P. E. Activity each quarter	
Physics	5 "		
Trigonometry	5 "	Total.....	48 credits
(Adv. Algebra prerequisite)			

Pre-Architecture

English Composition	9 credits	Introduction to Economics.....	10 credits
College Algebra	5 "	General Psychology	5 "
Trigonometry	5 "	P. E. Activity each quarter	
Analytical Geometry	5 "		
General Physics	5 "	Total.....	49 credits
General Sociology	5 "		

Pre-Bacteriology and Public Health

English Composition	9 credits	Humanities	14 credits
General Chemistry	15 "	Social Science	23 "
Organic Chemistry	15 "	P. E. Activity each quarter	
Quantitative Analysis	8 "		
Zoology	12 "	Total.....	96 credits

NOTE: In addition to the above, the student must have completed one year of college foreign language or two years of high school foreign language.

Pre-Business Administration

English Composition	9 credits	Business Law	8 credits
Introduction to Economics.....	10 "	Economic History (5) or	
Introduction to Business.....	5 "	U. S. History Since 1815	
Commodities and Trade.....	4 "	(10)	5-10 "
One of the following:		10 credits from one of the	
10 credits in Mathematics		following fields:	
including College Algebra		Psychology	
10 credits in Laboratory		Political Science	
Science		Sociology	
10 credits in a Foreign		Philosophy	
Language		Electives	
Accounting	10 "	P. E. Activity each quarter	
Elements of Statistical		Total.....	96 credits
Method	5 "		

Pre-Dentistry

English Composition	9 credits	General Physics or	
College algebra	5 "	Engineering Physics	15 credits
Trigonometry	5 "	Health Fundamentals	3 "
Analytical Geometry	5 "	Electives	
Zoology	12 "	P. E. Activity each quarter	
General Chemistry	15 "	Total.....	96 credits
Organic Chemistry	10 "		

Pre-Engineering

English Composition	9 credits	General Chemistry	15 credits
College Algebra	5 "	Engineering Drawing	9 "
(Prerequisite: Adv. Algebra)		P. E. Activity each quarter	
Trigonometry	5 "	Total.....	51 credits
Analytical Geometry	5 "		

Pre-Forestry

English Composition	9 credits	Introduction to Economics (5) or	
General Chemistry	10-15 "	Engineering Drawing (3).....	3-5 credits
Botany	8-12 "	P. E. Activity each quarter	
College Algebra	5 "	Total.....	48 credits
(Prerequisite: Adv. Algebra)			
Analytical Geometry	5 "		

Pre-Law

English Composition	9 credits	Introduction to Philosophy.....	5 credits
Introduction to Economics.....	10 "	Logic	5 "
U. S. History to 1898.....	10 "	Introduction to Business.....	5 "
English History	5 "	Electives	
Introduction to American		P. E. Activity each quarter	
Government	10 "	Total.....	96 credits
Introduction to Constitutional			
Law	10 "		

NOTE: Three-year and four-year Pre-Law curricula are also available.

Pre-Medicine

English Composition	9 credits	General Physics or	
Trigonometry	5 "	Engineering Physics	15 credits
Zoology	12 "	Health Fundamentals	3 "
Comparative Anatomy	5 "	Electives	
General Chemistry	15 "	P. E. Activity six quarters	
Organic Chemistry	10 "	Total.....	141 credits
Quantitative Analysis	8 "		

Pre-Nursing

English Composition	9 credits	Health Fundamentals	3 credits
General Chemistry	10 "	Humanities	10 "
Organic Chemistry	5 "	Social Science	20 "
Bacteriology	4 "	Electives	
Food	5 "	P. E. Activity each quarter	
Nutrition	3 "	Total.....	96 credits
General Psychology	5 "		
General Sociology	5 "		

Pre-Pharmacy

English Composition	9 credits	General Psychology (5) and	
General Chemistry	15 "	Health Fundamentals (3)	
Botany	8 "	or Humanities (5) and	
Advanced Algebra or		Social Science (5)	
College Algebra	5 "	P. E. Activity each quarter	
		Total.....	48-50 credits

Pre-Veterinary Medicine

English Composition	9 credits	Zoology	12 credits
General Chemistry	15 "	Humanities	5 "
Advanced Algebra (if not		P. E. Activity each quarter	
taken in high school) or			
College Algebra	5 "	Total.....	49 credits

Secretarial Training (Two Years)

English Composition	9 credits	Choice of 17-37 credits	
Speech Fundamentals	3 "	from following:	
Shorthand	4-12 "	Integrated Social Studies (15)	
Typing	3-15 "	Business Law (8)	
Office Machines & Practices	3 "	Economics for the Consumer (4)	
Advanced Office Machines	3 "	Introduction to Economics (10)	
Duplicating	3 "	Insurance (5)	
Accounting	15 "	General Sociology (5)	
Introduction to Business.....	5 "	P. E. Activity each quarter	
General Psychology	5 "		
		Total.....	96 credits

Secretarial Training (One Year)

English Composition	9 credits	Speech Fundamentals (3)	
Shorthand	4-12 "	Business Law (8)	
Typing	3-9 "	Introduction to Business (5)	
Office Machines & Practices.....	3 "	General Psychology (5)	
Advanced Office Machines.....	3 "	General Sociology (5)	
Duplicating	3 "	P. E. Activity each quarter	
Choice of 6-20 credits			
from following:		Total.....	48 credits

Part V. Student Life and Welfare



VETERANS

The Eastern Washington College makes every effort to meet the needs of veterans of World War II.

Counseling. Counselors are provided to assist veterans with problems regarding financial benefits for attending college under the "GI Bill" and Public Law 16 as well as regarding credits, requirements, and schedules.

Special aptitude tests are given upon request, and efforts are made to schedule classes and offer curricula according to the special needs of veterans. Personal interest and attention are available at all times to veterans' problems as they arise.

Housing. Veterans live in the college residence halls and trailer houses on campus and in private homes and apartments off campus. The trailer houses are for married veterans.

Credits. The college follows the recommendations of the American Council on Education committee, the American Association of Collegiate Registrars, and the Northwest College Registrars Association regarding adjustments for the admission of veterans and the allowance of credit for educational experience while in the armed forces. Twelve quarter credits are allowed for the completion of basic training or its equivalent, and 18 quarter credits are allowed a veteran for having been commissioned an officer.

Credit for service school experience is allowed according to the recommendations of "A Guide to the Evaluation of Educational Experiences in the Armed Forces" (American Council on Education). Advanced standing credit is also allowed for the passing of the college level General Educational Development Examinations of the United States Armed Forces Institute. Advanced standing credit is allowed, of course, for credits earned at all accredited colleges.

Admission. The high school level General Educational Development Examinations of the United States Armed Forces Institute are administered as a basis for the admission of non high school graduates, but veterans who are not high school graduates and do not wish to take the General Educational Development tests are admitted to the college without examination. Such veterans can qualify for regular standing by earning 45 quarter credits (excluding P. E. Activities) with a minimum grade point average of 1.00 (C).

Veterans are also admitted, of course, on the basis of being high school graduates. The Eastern Washington College prescribes no specific high school courses or grade averages for such admission.



ATHLETICS

Every male student at the Eastern Washington College has an opportunity to participate in properly supervised competitive sports. The college is a member of the Evergreen Intercollegiate Athletic Conference and engages in varsity competition in baseball, basketball, boxing, football, golf, tennis, track, swimming, and wrestling.

The huge new field house includes facilities for a complete indoor athletic program. 5,000 spectators are accommodated for basketball games.

Woodward Field contains a well turfed football gridiron, a quarter-mile cinder track, a 220-yard straightaway, a baseball field, and an equipment building. There are permanent bleacher seats along both sides of the field.

Men winning the varsity "W" are eligible for membership in the Men's "W" club, an organization which fosters the ideals of sportsmanship and loyalty to the college.

MUSIC

Eastern Washington College offers a well-rounded curriculum in both applied music, ensembles, theory and music education. Superior instruction is available with ten full-time and seven part-time instructors.

Rich experience may be had in vocal and instrumental performance in the College Choir, Radio Chorus, Band, Orchestra and many small ensemble groups. Each year the Choir takes several concert trips throughout the surrounding territory and appears on various programs on campus. The Radio Chorus prepares bi-monthly broadcasts over a Spokane station. The Band is famous for their playing and maneuvers at athletic events, and their concerts are of high calibre. The Orchestra gives occasional concerts, provides incidental music for plays and accompanies the operetta and oratorio performances. The annual operetta is an important event during the winter quarter.

Expanded music facilities include the first unit of the new music building, opened in December, 1948, which is devoted to band and orchestra activities, wind and string instrument studios, ensemble rooms and practice rooms. A remodeled government building houses piano and violin studios, a classroom, listening and practice rooms. Additional studios, classrooms and practice rooms are located in Showalter Hall, and music education and piano rooms are found in the college elementary school.

Included in the music equipment of the college is a three-manual Kimball pipe-organ, Steinway concert grand piano, 16 small grands, 32 upright pianos, 4 Magnavox phonographs, an extensive library of phonograph records and a large library of standard choral, orchestral, band and ensemble music. There is also a large number of college-owned band and orchestral instruments.

CAMPUS ACTIVITIES

Through campus organizations, students enjoy associations with fellow students and personal contacts with members of the faculty. Membership in an organization gives an opportunity to develop initiative and leadership. The college sponsors organizations for all interests—professional, athletic, service, scholarship, and honorary.

ATHLETIC

Women's "W" Club. The Women's "W" Club includes all women who have earned a letter in Women's Athletics. The purpose of this organization is to sponsor Women's Athletic programs and develop student leadership.

Men's "W" Club. The Men's "W" Club includes all men who have been awarded a letter in a major sport in recognition of their service on the college team.

ENGLISH AND SPEECH

Alpha Psi Omega. The aim of the Alpha Psi Omega is to foster and promote interest in dramatics, and to produce and manage college plays. Alpha Psi Omega is a national organization.

Parnassus. Parnassus is a poetry club organized for the purpose of developing an appreciation of poetry and to promote an interest in creative work.

GENERAL

Associated Students. All regularly enrolled students are members of the Associated Students. The business of this organization is conducted by an Executive Board of nine members elected in May of each year from the three upper classes. A permanent secretary from the faculty is appointed by the President of the college. The Associated Students governs, controls, and regulates all student activities.

Associated Women Students. This organization comprises all the women students. It seeks to promote the welfare of this group and to discuss the problems specifically involving its well-being. Each quarter the Associated Women Students make two awards: a scholarship cup to the group having the highest grade-point average, and the Working Girl's Scholarship. This association also provides at least one social event each quarter for all the women students on the campus.



HONORARY

Key. Key was organized to promote high standards of scholarship. In order to be admitted to Key the student must: (a) maintain a cumulative grade-point average of not less than 2.01 while completing not less than six quarters of college work; (b) maintain a cumulative grade-point average of not less than 2.01 while completing not less than three quarters of work at the Eastern Washington College. When determining eligibility for Key membership, one quarter's work is interpreted to consist of 15 credits, exclusive of Physical Education Activities.

Kappa Delta Pi. Kappa Delta Pi is a national honorary education society which promotes professional interest on the campus. Members are selected on the basis of scholarship and promise of success in the teaching profession.

Scarlet Arrow. Scarlet Arrow is an honorary organization for outstanding men on the campus who have shown leadership and have taken an active part in the promotion of college spirit.

Golden Circle. The Golden Circle organization was granted its charter in the spring of 1939. It is a senior women's honorary for those who are outstanding in leadership, character, personality, and service.

MUSIC

A Cappella Choir. The choir has a membership of about forty mixed voices. Several concert trips throughout the Inland Empire are made each year by this organization.

College Band. The uniformed College Band is composed of both men and women students. It plays for athletic contests and presents occasional concerts on campus and in surrounding communities.

College Orchestra. This organization furnishes music for college functions and appears in several concerts each year.

PROFESSIONAL

Alpha Sigma. Alpha Sigma is an honorary Art Club, organized to foster an interest in art, and to give an appreciation of art to other students in the college.

Association for Childhood Education. An international organization whose purpose "shall be to gather and disseminate knowledge of the movement for the education of young children; to bring into active co-operation all childhood education interests, including parent education; to promote the progressive type of education in nursery school, kindergarten and primary grades, and to raise the standard of the professional training for teachers and leaders in this field."

Classroom Teacher Council. Chartered by the National Education Association in 1931, the Eastern Washington College unit of the Classroom Teacher Council is the only one of its kind in the United States. While the C. T. C. organization is open to classroom teachers from kindergarten through college, the Eastern Washington College unit includes only those interested in middle grade and junior high teaching.

Ellen H. Richards. The Ellen H. Richards Club, which is affiliated with the National Organization, is for furthering the purpose and spirit of Home Economics on the campus.

Geography Club. The Geography Club is organized for the purpose of sponsoring visiting speakers and lecturers.

Press Club. The Press Club aims to further the work of the college weekly newspaper. It is open to students who are, or have been actively engaged in journalism work.

HONORARY SERVICE

Intercollegiate Knights. Intercollegiate Knights is a national undergraduate men's service organization which emphasizes the promotion of the spirit and traditions of the college.

Tawanka. Tawanka is a women's honorary service organization, the purposes of which are to extend hospitality to campus visitors, to foster college spirit, to promote interest in activities in which the student body participates, and to maintain campus traditions.

CONVOCATIONS AND LECTURES

The 10:00 o'clock period on Thursday is reserved for convocations. Programs are under the auspices of the Associated Students and include guest and local attractions.

STUDENT LIVING

The Eastern Washington College regards comfortable, healthful, and congenial living conditions for students as very important. Living conditions of the right kind not only aid students to do the best work in their studies but also through the experience of group life contribute to the building of character and personality. Hence, careful consideration is given to proper living conditions for students through provision of institutional halls of residence on the campus and through supervision of living conditions of students outside the dormitories.

Dormitories. Halls of residence are maintained for both men and women students of the college. The men live at Sutton and Hudson Halls and the women at Senior and Monroe Halls. Students are not permitted to board off-campus while living in a dormitory.

The object of the halls is to provide comfortable democratic living conditions conducive alike to successful academic achievement and to complete participation in the wholesome activities of campus life. Living conditions within the halls are made as nearly like those of a good modern home as possible. In addition, the method of government, the distribution of responsibility, and the opportunities for sharing in all the privileges and activities of a congenial social group are such as to promote social coherence and develop college spirit.

Beds, mattresses, pillows, pillow cases, sheets, chairs, study tables, chiffoniers or dressing tables are furnished. Students provide their own study lamps, irons, towels, bed spreads, and blankets. Occupants care for their own rooms. Bath, trunk room space, and laundry facilities are provided.

Dormitory Rates. Board and room at the halls of residence for 1949-50 is \$1.50 per day. No reduction is made for week-end absences. Four-fifths of the board is deducted for vacations or absences on account of illness of more than three days. Guest rates are as follows: breakfast 30 cents; lunch 35 cents; dinner 60 cents.



Payments for board and room are made monthly in advance. The first month's payment must accompany the minimum, laboratory, and course fees which are paid at the beginning of the quarter in accordance with the student's fee payment appointment number. When a student leaves at the end of the quarter, the \$5.00 deposit is deducted from his last payment.

Board and room can also be secured at reasonable rates in private homes off-campus. For information, address the Dean of Women, or the Dean of Men.

Dormitory Reservations. Rooms are reserved in the order of receipt of deposits. A deposit of \$5.00 is required of each student. If the reservation is cancelled not later than five days previous to the opening of the quarter, \$3.00 of the deposit will be returned; otherwise, cancellation causes forfeiture of the entire sum. Reservations are not held later than 8 a.m. on the second day of the quarter, unless special arrangement has been made in advance. The \$5.00 deposit will be credited on the final payment of board.

Checks for room deposit should be made payable to the Bursar. Assignment of rooms will not be made until Friday before the quarter opens. Room reservations are not transferable.

Separate deposits and reservations are required for the summer quarter.

Dormitory Withdrawals. Permission to move off-campus during a quarter is granted only in case of financial emergency, and must be approved by the Dean and by the director in charge of the dormitory. Then two weeks' notice must be given and two dollars of the room deposit is forfeited.

If illness causes students to leave the college during a quarter, two dollars of the room deposit is forfeited.

Off Campus Living. Board and room in private homes can be secured at reasonable rates. The list of approved rooming houses may be had, together with that of housekeeping rooms, by addressing the Dean of Women. Men and women are not permitted to room in the same house.

Trailer Houses. Trailer houses are available to married veterans at \$17.50 per month. Heat, light, and water are furnished. For reservations write the Bursar, Eastern Washington College. The trailer house reservation fee is \$5.00 and applies toward rent.



GUIDANCE AND COUNSELING

Student guidance is cooperatively provided by the officials and instructors of the college in connection with the performance of their duties as dean, registrar, college nurse, placement bureau director, psychologist, residence hall director, or instructor. Every effort is made to aid students with problems concerning the selection of schedules, academic progress and regulations, finances and part-time employment, health, social adjustment, living conditions, placement, and any other matters which pertain to personal welfare.

The college seeks to help each student toward the selection of courses and activities which will meet his individual needs and be most likely to contribute toward success in his life work and toward the development of a well-rounded personality. Students are encouraged to arrange conferences regarding matters of personal and group interest.

The Dean of Men and the Dean of Women have general responsibility for student welfare and welcome correspondence and conferences with both parents and students. Students look to the Registrar and other faculty advisers for guidance in matters relating to schedule selection and to the operation of the curriculum. Health problems are the particular concern of the College Nurse.

HEALTH AND PHYSICAL EDUCATION PROGRAM

Objectives. It is the aim of the physical and health education program to give the student an understanding of the requisites of good health and sanitation. Courses covering physical education, physiology, hygiene, and sanitation as well as the study and application of corrective exercises are given proper emphasis.

Health Examinations. Each year each regular student is required to take a health examination and be responsible for keeping the appointment for this purpose. Women physicians give the health examinations for women students.

STUDENT LOAN FUND

The Students' Loan Fund has come from many sources—student donations, receipts from entertainments, gifts from public-spirited citizens, and interest accumulations.

While it is not possible completely to finance a student through any large part of his course, it serves a very useful purpose in bridging over many difficulties of a limited or temporary character. Students in the junior and senior years may borrow up to \$50.00 and sophomore students may borrow \$25.00. Freshmen are not eligible to borrow from the fund.

The signature of a responsible party is necessary in addition to that of the borrower. The length of time the loan may run is twelve months and the interest rate is 6%.

An emergency loan fund is administered by the Dean of Men and the Dean of Women.

SCHOLARSHIPS AND AWARDS

The Ralph Earle Tieje, Junior, Memorial Scholarship. Dr. and Mrs. Ralph E. Tieje offer an annual scholarship of \$100.00 to an English or Speech minor who completes the senior year in residence. Awarded upon recommendation of the Division of Languages and Literature, and payable at the end of each quarter. Established 1934.

The Music Faculty Scholarships. Each year members of the music faculty of the college offer scholarships in voice, wind instruments, stringed instruments, and piano. The scholarships entitle the holders to individual instruction for three quarters. The members of the department of music of the college faculty constitute the committee in charge. Established 1938.

The Associated Women Students Scholarship. The scholarship of \$10.00 is awarded quarterly to the woman student who makes the highest scholastic average while earning part of her expenses through part-time employment. Established 1925.

The Tawanka Alumnae Scholarship. Two awards of \$10.00 each are made by the Spokane Tawanka Alumnae group each year. The awards are granted to active club members for outstanding service to the organization and to the college. The committee in charge consists of Dean Nelson, Miss Pearson, and Mr. Pence. Established in 1938.

"W" Club Scholarship. This scholarship of \$150 is awarded annually to an entering Freshman who ranks high in his high school graduating class and shows athletic promise. Application is made through the Director of Athletics. Established 1949.

The Scarlet Arrow Athletic Award. This award is given twice each year, first to the outstanding football man, and secondly to the outstanding basketball man. The basis of selection is sportsmanship, cooperation, inspiration, and leadership. The respective varsity teams choose the outstanding players of the season. Established 1933.

The Scarlet Arrow Achievement Award. On the basis of character, achievement, leadership, and self-support, a cup is awarded to a student in his junior or senior year by the Scarlet Arrow. The committee in charge consists of the deans, the registrar, Miss Dustin, and Mr. Woodward. Established 1933.

Bill Babin Memorial Scholarship. In 1947 the Inter-Collegiate Knight Fraternity established the "Bill Babin Memorial Scholarship." This twenty-five dollars scholarship is to be awarded annually in honor of their former member, Bill Babin. This award will be made to a man in his third quarter at Eastern. This scholarship is awarded on the basis of scholarship, character, willingness to serve, leadership, and financial need. A four-man committee consisting of two members of the Inter-Collegiate Knights, and two members of the faculty will determine whom the recipient of the scholarship shall be.

Part VI. Academic Procedures



Credits. Credits are reckoned in terms of recitation periods. The net length of each recitation period is 50 minutes. One credit requires one class period a week for one quarter. Forty-five credits exclusive of Physical Education Activities (P. H. E. 4 or P. H. E. 13), constitutes one year's work. In laboratory work two fifty-minute periods are required for one credit hour.

Grading Scale. The grading scale is A (superior); B (excellent); C (average); D (below average); Failed; Incomplete; S (satisfactory); W (withdrawn).

The grade "Incomplete" is given only when the quality of the work is satisfactory but, for reasons acceptable to the instructor, the course has not been completed. An "Incomplete" may be converted into a passing grade not later than the fourth Friday after the beginning of the next succeeding quarter following the quarter for which the incomplete was given.

Grade Point Average. The grade point average is the quotient of total grade points divided by the total quarter hour credits in which the grades, A, B, C, D, and Failed are received. Grade point averages are computed on the basis of three grade points for each quarter hour credit of A; 2 for each quarter hour credit of B; 1 for each quarter hour credit of C; 0 for each quarter hour credit of D; and -1 (minus one) for each quarter hour credit of Failed. The grades of "Incomplete," "S," and "W" are disregarded in the computation of points.

Standard Load. The standard student load per quarter is 15 credits exclusive of Physical Education Activities (P. E. 4 or P. E. 13).

Overload. Students who wish to carry more than a standard load must secure permission from the registrar. Permission is based upon either the student's cumulative grade point average for three previous quarters or the student's cumulative grade point average for all of his previous quarters as follows:

During the fall, winter, and spring quarters the student whose average is from 1.00 to 1.49 inclusive is permitted to carry 17 credits per quarter exclusive of Physical Education Activities (P. E. 4 or P. E. 13); the student whose average is from 1.50 to 1.74 inclusive is permitted to carry 18 credits exclusive of P. E. Activities; the student whose average is from 1.75 to 1.99 inclusive is permitted to carry 19 credits exclusive of P. E. Activities; and the student whose average is 2.00 is permitted to carry 20 credits exclusive of P. E. Activities.

Academic Probation. The following students are placed on academic probation: (1) those who ranked in the lowest third of their high school graduating classes and are registering for or during the first quarter of their Freshman year; (2) graduates of unaccredited high schools who are registering for or during the first quarter of their Freshman year; and (3) those who have a cumulative grade point average below 1.00. A student who is on academic probation cannot register for more than 13 credits, exclusive of Physical Education Activities.

Note: In case a low grade point average is due to a major illness, academic probation may be waived upon the recommendation of the Dean of Men or the Dean of Women.

Disqualification. When a student has a cumulative grade point average below .50 after three quarters of Eastern Washington College attendance his case shall have special study by the Guidance and Counseling Committee, which may recommend either continuance under certain specified conditions or withdrawal — with the understanding that the committee may prohibit re-registration.

CLASSIFICATION OF STUDENTS

Students having 135 or more credits (exclusive of P. E. Activities) are classified as seniors, those having from 90 to 134 as juniors, those having from 45 to 89 as sophomores, and those having fewer than 45 as freshmen.

CERTIFICATION TO TEACH

The "Three-year Elementary Certificate" issued by the Eastern Washington College is valid in the junior high and elementary schools of Washington for three years from the date of issuance. To qualify for this certificate the applicant must graduate from the college with the degree of Bachelor of Arts in Education.

SPECIAL EDUCATION CREDENTIAL

Courses required for the Special Education Credential are offered by the college.

Under the state program of Special or Remedial education, teachers are being urged to become remedial specialists, and in some cases special financial inducements are offered. Dr. Florence Heisler, an expert in remedial education, is employed by the state especially to train remedial teachers at the Eastern Washington College. For this purpose the state has also provided excellent equipment for the college diagnostic and testing laboratory.

The Special Education Credential required of remedial teachers is issued by the state department of education upon the completion of the following courses:

Speech Clinic (See Sp. 140).....	5 credits
Psychology of Adjustment (See Psy. 137).....	5 "
Diagnostic Techniques and Measurements (See Ed. 260).....	3 "
Remedial Reading (See Ed. 247).....	3 "
Remedial Arithmetic (See Ed. 247).....	2 "
Arts and Crafts (See any Art course).....	5 "
Directed Observation and Teaching in a Typical Remedial Class (See Ed. 288).....	5 "
Sight Saving	2 "
Total.....	30 credits

ADMINISTRATORS' CREDENTIALS

Courses required for principal's and superintendent's credentials are offered during summer quarters. Such courses are referred to in parenthesis in the lists which follow.

The Elementary Principal's Credential is required of principals of elementary schools with six or more teachers and the Junior High School Principal's Credential of all junior high school principals. Superintendents and union high school principals not serving under superintendents are required to have a Superintendent's Credential.

One year of teaching experience must precede the completion of courses used to satisfy the professional requirements for an administrator's credential. Professional courses used to satisfy requirements for an administrator's credential must have been completed within 10 years prior to the application for the credential.

The credentials are issued by the State Department of Education under the following regulations:

Elementary Principal's Credential. The applicant must have (a) certification to teach at the elementary level; (b) 2 years of successful elementary or junior high teaching experience; and (c) 12 quarter hours of professional courses relating to elementary organization, supervision and administration in addition to the completion of the three-year curriculum. These 12 credits in professional courses must include not less than 6 credits from List A below. The remaining credits may be taken from either List A or List B.

List A:

- Elementary Curriculum
- Elementary Administration and Supervision
- Elementary School Methods

List B:

- Guidance
- Tests and Measurements
- Kindergarten
- Health and Physical Education
- Remedial Education

Superintendent's Credential. The applicant must have 2 years of experience as principal of an elementary school with 6 or more teachers and 2 years of experience as principal of a high school, or head of a high school department, or supervisor. However, professional courses may be substituted for elementary administrative experience or secondary administrative experience, but not for both.

The applicant with 2 years of experience as principal of an elementary school of 6 or more teachers may substitute 12 quarter hours of professional courses relating to organization, administration and supervision in secondary schools for the 2 years of experience as a high school administrator. The 12 hours are in addition to the minimum required for initial secondary certification.

The applicant with 2 years of experience as a high school principal, head of a high school department, or supervisor may substitute 24 quarter hours of professional courses relating to organization, administration and supervision of elementary education for the 2 years of experience as an elementary school principal. Twelve of the 24 quarter hours of professional courses substituted for the 2 years of elementary administrative experience may be secured at the Eastern Washington college by persons with secondary certification; the remaining 12 must be in courses acceptable for graduate credit.

Of the 24 quarter hours of professional courses which may be substituted for experience as an elementary school principal at least 6, including School Finance, must be from List A below. The remaining 12 may be taken from either List A or List B.

List A:

- Elementary Curriculum
- Elementary School Administration and Supervision
- Elementary School Methods
- School Finance

List B:

- Guidance
- Tests and Measurements
- Kindergarten
- Health and Physical Education
- Remedial Education

ACCREDITATION OF THE COLLEGE

The Eastern Washington College is accredited by the American Association of Colleges for Teacher Education and by the Northwest Association of Secondary and Higher Schools. Students in good standing who wish to transfer to other recognized institutions of higher learning will receive full credit for all courses satisfactorily completed.

GRADUATION CANDIDACY

Candidates for graduation are required to file with the Registrar, not later than two weeks after the opening of the third quarter preceding graduation, copies of their proposed schedules of courses for the three quarters preceding graduation. Graduation candidates are also required to file with the Registrar, not later than two weeks after the opening of the last quarter preceding graduation: (1) a formal application for graduation; and (2) the receipt for the applicant's graduation fee. Persons who are candidates for teaching certification as well as for graduation must also file an oath of allegiance bearing the applicant's notarized signature.

Graduation candidates who are also teaching certification candidates pay a fee of \$7.00. For others the fee is \$6.00.

The application and oath forms are secured at the Registrar's office and the graduation fee is paid at the Bursar's office. The Bursar will notarize the applicant's signature on the oath form.

HONOR STUDENTS

Quarterly Honor Roll. Students whose grade point average for a given quarter is 2.25 or better are designated Honor Students for that quarter.

Freshman Honor Roll. The Freshman Honor Roll is computed and published at the close of each spring quarter. In order to be included in the Freshman Honor Roll the student must maintain a cumulative grade point average of not less than 2.01 while completing his first three quarters of college work. When determining eligibility for the Freshman Honor Roll, one quarter's work is interpreted to consist of 15 credits, exclusive of Physical Education Activities.

Key. Key was organized to promote high standards of scholarship. In order to be admitted to Key the student must: (a) maintain a cumulative grade point average of not less than 2.01 while completing not less than six quarters of college work; (b) maintain a cumulative grade point average of not less than 2.01 while completing not less than three quarters of work at the Eastern Washington College. When determining eligibility for Key membership, one quarter's work is interpreted to consist of 15 credits, exclusive of Physical Education Activities.

Senior Honors. The names of graduates who qualify for senior honors are read at the commencement exercises of the college. Seniors whose cumulative grade point averages are not less than 2.75 are graduated with Highest Honors. Seniors whose cumulative grade point averages are 2.50 and above, but below 2.75, are graduated with High Honors. Seniors whose grade point averages are 2.25 and above, but below 2.50, are graduated with Honors.

Grade Point Averages are computed on the basis of 3 grade points for each quarter hour credit of A; 2 for each quarter hour credit of B; 1 for each quarter hour credit of C; 0 for each quarter hour credit of D; and -1 (minus one) for each quarter hour credit of Failed. The grade point average is the quotient of total grade points divided by the total quarter hour credits in which the grades A, B, C, D, and Failed are received.

INDEPENDENT STUDY

The Eastern Washington College provides independent study opportunities for superior students.

A student who has earned 75 or more credits with a cumulative grade point average of 2.00 or better is eligible to apply to the Registrar for independent study privileges. The faculty committee which acts upon the application consists of the Registrar, the Dean of Men and the Dean of Women.

A student who continues to maintain a grade point average of 2.00 after his independent study application has been approved by the committee may engage in independent study in one course each quarter of his junior and senior years provided the instructor of the course chosen feels that the nature of the course and the student's abilities make independent study a suitable procedure. An instructor who has accepted a student for independent study has authority to make appropriate substitutions for class attendance, examinations or other features of the course affected.

INDEPENDENT STUDY MAJOR

1. **Objective.** The objective of the Independent Study Program is to afford an opportunity for superior students to pursue courses of inquiry not provided for in the usual departmental major, under conditions of individual responsibility and of freedom from the academic restrictions connected with the regular course in residence.

2. **Administration.** The Independent Study Program will be under the direction of a coordinator appointed by the President of the College, who will select two staff members approved by the division chiefly concerned, to serve with him as a committee to determine the course of study and evaluate the progress of each student admitted to the Program. Eligibility for graduation is dependent upon the recommendation of these committees.

3. Procedure. a. Students applying for admission to the program must have earned not less than 60 nor more than 105 credits in college. They must have, at the time of application, a cumulative grade point average of not less than 2.00. The basic requirements of the college must have been completed.

b. The applicant will submit on his application a statement of his educational objective, his desired plan of work, and his reasons for requesting admission to the Program.

c. Upon acceptance by the committee, each applicant will, in consultation with the committee, draw up a course of study composed of regular academic courses and such other work projects as meet the approval of the committee, representing a value of not less than 60 or more than 90 credit hours and fulfilling the applicant's educational objective.

d. In addition to the work described in c., each candidate for graduation under the Program will submit, at least one month before the date of his expected commencement program, a brief written report summarizing his investigation under his approved course of study and describing the conclusions and implications of the study.

RESIDENCE REQUIREMENT

No student may graduate from the college with less than a year (3 quarters) of attendance and 45 credits earned in residence. The last quarter or term of the student's work preceding graduation must be done in residence at the Eastern Washington College.

Extension and correspondence courses must be completed outside of the residence quarters and may not be counted as being done in residence.

VOICE TEST

All students who are preparing to teach and have not previously taken the Voice Test are required to do so during the fall quarter of each year.

A fine of fifty cents is imposed upon students who fail to keep Voice Test appointments arranged by the Division of Languages and Literature. Any student who is required to pay the fine may not complete his registration for the next quarter until fine is paid.

SPECIAL STUDENTS

Special students are those enrolled in not more than two courses exclusive of Physical Education Activities (P. E. 4 or P. E. 13), or for not more than six credits exclusive of Physical Education Activities (P. E. 4 and P. E. 13). The enrollment fee for special students is \$3.50.

TRANSCRIPTS OF RECORD

A student who wishes to send transcripts of his record to other institutions will be furnished the first copy without charge. A fee of \$1.00 will be charged for each transcript thereafter. Transcript fees must be paid in advance.

NOTICE

The college reserves the right to change at any time any of its regulations affecting students. Such regulations regarding admission, fees, graduation, withdrawal of courses, etc., shall become effective when ever the proper authorities may determine and shall apply to current students as well as future ones.

Part VII. Facilities and Organization



Cheney is sixteen miles distant from Spokane by rail and the Columbia Basin highway. Transportation is furnished by the Chicago, Milwaukee and St. Paul; the Northern Pacific; the Union Pacific; and several motor bus lines.

CAMPUS

The Eastern Washington College has a 67-acre campus four blocks from the Columbia Basin Highway. Shrubs and native pine trees, as well as birch, fir, maple, spruce, ash, willow, elm, locust, and other trees help to make the campus attractive at all seasons of the year.

Showalter Hall, the administrative building, contains administrative offices, classrooms, natural and applied science laboratories, the college auditorium, and the psychological clinic.

The Hargreaves Library is a beautiful structure in modern Roman style terra cotta and brick with tile roof. The building is air-conditioned with recirculating air, and is provided with a cooling system for use in the summer.

The huge **Field House** is used principally for physical education and athletics. Gymnasiums, a swimming pool and classrooms are included.

Martin Hall, the college elementary school building, was planned to meet the needs of children doing elementary school work, and to serve as a teacher education center as well.

The first unit of the **Music Building**, opened in December, 1948, is devoted to band and orchestra activities, and houses ensemble and practice rooms as well as wind and string instrument studios. The **Music Hall**, a remodeled government building, houses listening and practice rooms as well as a classroom and studios for piano and violin.

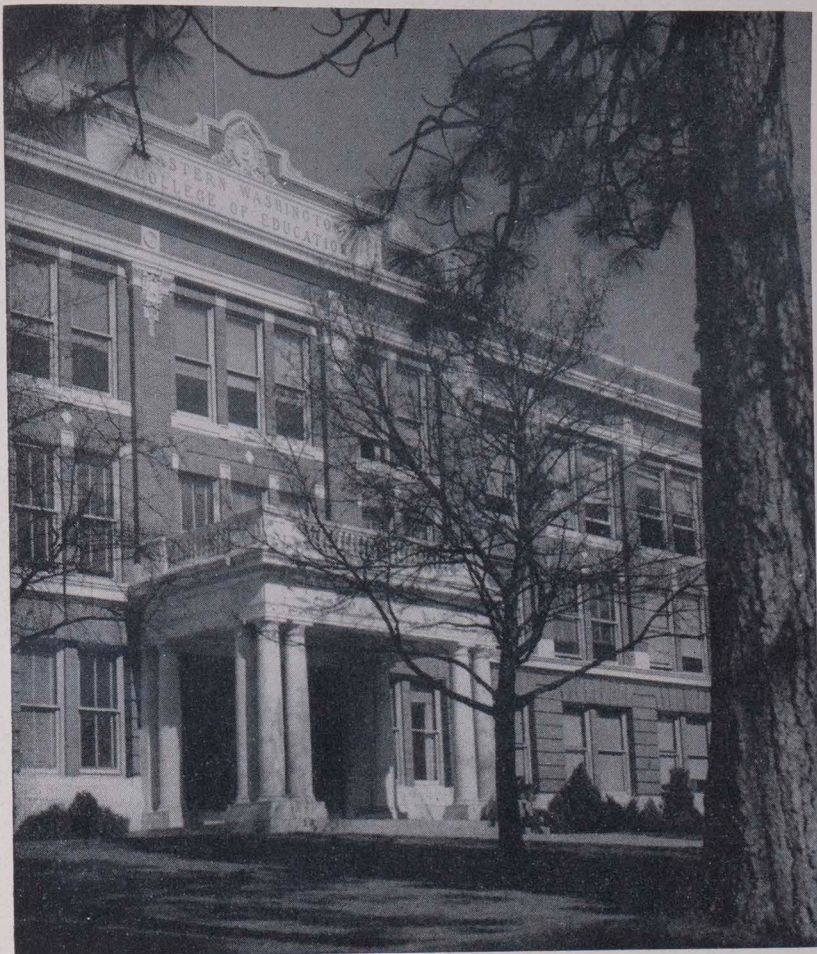
In the **Industrial Arts Building** are the shops for woodworking, metal, concrete, radio and electrical construction. The college print shop and drafting rooms are also in this building.

Ratcliffe House is a recreation center financed, managed and directed by students. Beautiful in its appointments, with snack bar, dining rooms, dance floors, lounge, card and game rooms, this student union building is a center for fun and relaxation.

Showalter Hall Annex provides space for several offices as well as for typing, shorthand, and other instruction.

Hudson Hall Annex houses the Hudson Hall cafeteria.

The college **Infirmary** houses wards for men students and wards for women students.



The dormitories—**Senior Hall, Monroe Hall, Hudson Hall and Sutton Hall**—are modern and fully equipped homes. Students find the grand pianos, the modern radios, the large lounge rooms for reading, dancing and receptions, conducive to their comfort.

STUDENT TEACHING

The purpose of student teaching is to help the student teacher to become a thoughtful and alert student of education as well as to make him immediately proficient in teaching.

Student teachers have the opportunity of observing actual teaching by expert teachers, of doing student teaching under the supervision of a well-trained staff, and of seeing the administrative details of school work in operation. Student teaching is done in the College Elementary School on the campus, in the Cheney Junior High School two blocks from the campus, and in elementary and junior high schools in the city of Spokane.

LIBRARY

The college library is housed principally in the Hargreaves Library completed and occupied in 1940. The library consists of about 74,000 volumes of catalogued books and several smaller collections of other kinds of reading matter. The book collection is composed, in the main, of fairly recent books, having been acquired since the complete destruction of the original library by fire in 1913.

The main book collection in the library building is a reference and circulating collection of 63,000 volumes, including 7,000 volumes of bound periodicals. In addition, there is a pamphlet file of 4,000 items, 6,000 uncatalogued U. S. and Washington state documents, and 7,800 issues of unbound periodicals. Nearly 400 periodicals and daily newspapers are received regularly.

The collection of Northwest Americana contains some 1,800 volumes covering the period of discovery, the fur trade, the first missionaries, early settlements, mining and ranching, the experiences of the pioneers, etc. There are complete files of the northwest historical magazines, several volumes of early newspapers, over a thousand typewritten transcripts from early newspapers and periodicals, a number of unpublished manuscripts, and many maps of the territorial periods. In connection with the Northwest collection, microfilm production and reading equipment have been installed.

A children's library of 6,500 volumes is housed in Martin Hall, the College Elementary School. A number of reference works for both teachers and pupils are provided. Fourteen periodicals are received for the use of the children. The library has the Keystone and Underwood visual sets, and a file of 3,000 mounted pictures.

The branch library of the Industrial Arts department is kept in the office of the department of the Industrial Arts building. It now contains approximately 1,400 volumes, including a number of industrial art periodicals.

The Geography department has assembled an auxiliary library collection of its own, much of which will eventually become part of the college library. This collection is now shelved in the offices and store rooms of the Geography department, and is maintained for the use of both teachers and students of geography. It contains more than 1,400 issues of unbound periodicals, 2,600 pamphlets, 1,300 U. S. and state documents, 100 books, 300 single maps, and folios of U. S. Geological Survey maps.

EXTENSION AND CORRESPONDENCE

Credits. A total of 45 credits earned in extension and/or correspondence courses may be counted toward the degree of Bachelor of Arts in Education. Neither correspondence nor extension courses may be carried while a student is in residence.

Fees. The fee for a single course is paid in advance. Where two or three courses are begun at one time, one-half the fees must be paid in advance, but the remainder may be paid in installments. The cost is approximately \$4.00 per quarter basis credit.

Time. A correspondence course may not be completed in less than one calendar month, and should be finished in not more than one year from the date of enrollment. The enrollment fee for a course is forfeited if no work is done on the course for six months. Not more than 9 credits may be earned in extension and/or correspondence courses in any one quarter.

Residence. No student may graduate from the college with less than a year (3 quarters) of attendance and 45 credits earned in residence. The last quarter or term of the student's work preceding graduation must be done in residence at the Eastern Washington College.

Grades. The grade "S" (satisfactory) is given when a correspondence or extension course is completed. In computing grade point averages "S" grades are disregarded.

Information. For further information regarding the titles, credits, and fees for the courses offered by correspondence write the Extension Office. Checks and money orders are made payable to the Bursar.

PLACEMENT OFFICE

All recommendations to teaching positions are made through the Placement Office. Each student is required during the last quarter before graduation to leave with the Placement Office a photograph and full set of credentials covering his academic preparation and teaching experience. Complete files are kept for each graduate, together with a card index of his work and preparation. School boards, principals, and superintendents who are in need of teachers should communicate with the Placement Director.

Teachers certified by other teacher education institutions may enroll with the Placement Officer when they have completed two quarters' work at the Eastern Washington College.

Checks or money orders for placement service are made payable to the Bursar.

DIVISIONAL ORGANIZATION

The fields of instruction offered by the Eastern Washington College are organized in eight divisions as follows:

Applied Sciences and Arts.....	{ Art Biology Home Economics Industrial Arts
Education, Psychology, and Philosophy.....	{ Education Psychology Philosophy
History and Social Studies.....	{ Economics and Business History Political Science Sociology
College Elementary School.....	(See Education)
Languages and Literature.....	{ English Journalism Librarianship Modern Languages Speech and Drama
Music	
Physical and Health Education	
Physical Sciences and Mathematics.....	{ Geography and Geology Mathematics Physical Sciences

FACULTY COMMITTEES

Administrative Council

Blair, Brewer, Craney, Dressler, Frasier, Freeman, Holmquist, Hungate, Lane, Ludwig, Morrison, Pence, Reese, Rowles, Wallace, Williamson, Woodward, Jack, Stronach

Alumni

Chairman—Pence; Anderson, Dodds, Hallgrimson, Holmquist, Poffenroth

Athletics

Chairman—Hungate; Dressler, Dales

Attendance

Chairman—Philpott; Guthrie, Pence, Rogers

Curriculum

Chairman—Dressler; Frasier, Freeman, Hungate, Ludwig, Reese, Rowles, Wallace, Williamson, Woodward

Discipline and Conduct

Chairman—Herring; Dickinson, Hungate

Faculty Organization and Welfare

Chairman—Williamson; Cullen, Davidson, Dayton, Elwick, Stewart, Wiley

General Education and Junior College

Chairman—Herring; Freeman, Guthrie, Haas, Lawton, Rogers, Shaw, Swerer, Tallyn, Vandeberg

Guidance and Counseling

Chairman—Heisler; Barber, Brown, Harter, Kessler, Philpott, Schadegg, Stavely, Vannoy

Instruction and Scholarship

Chairman—Dryden; Heisler, Kingston, Lincoln, Philpott, Rogers, Shaw, Taylor, Woolf

Instructional Aids and Materials

Chairman—Cullen; Davis, Kuhlman, Lane, Pearson, Riddle, Stahl

International Relations

Chairman—Dayton; Chesnut, Hepperle, Lawton, Newland, Schadegg, Shaw

Library

Chairman—Stewart; Bell, Dryden, Harter, Hepperle, Lass, Miller, Payne, Williamson

Off Campus Services

Chairman—Goodsell; Frasier, Freeman, Pence, Wiley

Public Relations

Chairman—Gingrich; Foss, Hallgrimson, Herring, Holmquist, Ludwig, McGrath, Morrison

Recruitment of Teachers

Chairman—Barton; Brewer, Fisher, Giles, McGrath, Williamson

Special Programs (Lyceums, Vespers, Convocations, etc.)

Chairman—Jean Stevens; Dustin, Elrod, Miles, Smith, Harold Stevens, Stevenson, Walker

Student Assistance and Incentives

Chairman—Lincoln; Anderson, Blair, Dodds, Lane, Reese, Surbeck

Student Welfare and Morale

Chairman—Dickinson; Barber, Craney, Goodsell, Krebsbach, Vannoy, Woodward

Teacher Training

Chairman—Brewer; Barton, Chesnut, Fisher, Gingrich, McGrath, Pearson, Rowles, Swerer, Wilson

QUARTER SYSTEM

The college is operated on the four-quarter system, each quarter having approximately twelve working weeks. The quarter system permits students to do a full quarter of work in the summer. Students attending consecutive quarters—fall, winter, spring, and summer—can complete the four-year curriculum in three calendar years.

SUMMER QUARTER

The fourth quarter of the college year is known as the Summer Quarter.

All types of work offered in the other quarters of the year are given in the summer. Since emphasis is placed upon upper division and graduate work, teachers are provided excellent opportunities to progress professionally.

For complete information write the Registrar.

HISTORY OF THE COLLEGE

The 1947 law which authorized the Eastern Washington College to grant the degree of Bachelor of Arts with majors in fields other than education represents an important step in a development which has paralleled the growing needs of the state. The 1947 authorization to grant the degree of Master of Education constitutes a similarly important expansion of services.

The College was established by law in the early days of statehood and opened in October, 1890. For a number of years secondary education was not adequately developed in the state and the student body included preparatory pupils as well as first- and second-year college students. In 1917 three- and four-year college curricula were authorized and preparatory courses were discontinued.

Following a steady growth in upper division enrolment, the laws of 1933 empowered the College to grant the degree of Bachelor of Arts in Education. Emphasis on both general and professional courses in the Bachelor of Arts in Education curriculum led naturally to the establishment of Bachelor of Arts and Master of Education curricula.

Part VIII Directory of Personnel



BOARD OF TRUSTEES

MRS. LESLIE BARBER.....	Colfax
DAVE S. COHN.....	Spokane
JAMES E. McGOVERN, Chairman.....	Spokane

STATE BOARD OF EDUCATION

PEARL A. WANAMAKER.....	Olympia
CHARLES F. FRANKLAND (1948-52).....	Seattle
GEORGE O. GIBLETT (1949-55).....	Bremerton
ROBERT R. WALTZ (1948-53).....	Snohomish
WILLARD A. LAWSON (1948-50).....	Bow
BERNARD NEWBY (1948-54).....	Vancouver
WILLIAM M. LUEBKE (1948-51).....	Chehalis
RALPH T. GILLESPIE (1948-52).....	Pullman
MRS. SIDNEY LIVINGSTON 1949-55).....	Pasco
FRANK S. EMERT (1948-53).....	Omak
T. A. BRIM (1948-50).....	Fairfield
FRANK M. LOCKERBY (1948-54).....	Tacoma
A. J. PETERS (1948-51).....	Issaquah

ADMINISTRATIVE OFFICERS AND ASSISTANTS

WALTER W. ISLE.....	President
G. W. WALLACE.....	Registrar
CHARLES A. HERRING.....	Dean of Men
EUNICE NELSON.....	Dean of Women
O. O. PENCE.....	Director of Placement and Extension
H. N. STRONACH.....	Bursar
C. M. FRASIER.....	Director of In-service Education and Student Teaching
MARION SURBECK.....	Administrative Assistant and Director of Student Employment
ZELMA MORRISON.....	Director of Information
H. E. HOLMQUIST.....	Director of Publications
J. S. LANE.....	Superintendent of Buildings and Grounds
ETHEL JACK.....	Director of Dining Halls
EMILY CRANEY.....	College Nurse
CHARLOTTE JOHNSON.....	Cooperative Public Health Nurse
ANDREW ELWICK.....	Assistant Registrar
E. L. SAMMONS.....	Assistant to the Bursar
MARIE STERNITZKY.....	Assistant Nurse
NAOMI H. WALL.....	Secretary to the President
ELISE SMITH.....	Secretary to the Registrar
VELMA ROGERS.....	Secretary, Dean's Office
MERYL WOOD.....	Secretary, Director of Placement and Extension
MARIE NEAL.....	Secretary to the Bursar
VERLA STOWSAND.....	Secretary, College Elementary School

LIBRARY STAFF

H. M. BLAIR.....	Librarian
J. P. GRUBER.....	Assistant Librarian
MARIE HAAS.....	Assistant Librarian
RUTH RIDDLE.....	Assistant Librarian
EDITH M. SHAW.....	Assistant Librarian
HOPE CULLEN.....	Librarian, College Elementary School

RESIDENCE HALL STAFF

LENA C. ADAMS.....	Counselor at Senior Hall
LYLA M. ANDERSON.....	Counselor at Hudson Hall
RACHEL BERG.....	Housemother at Sutton Hall
PATRICIA DAMON.....	Housemother at Monroe Hall
JOYCE GRIESINGER.....	Assistant Counselor at Monroe Hall
GEORGE L. MONTAGNO.....	Head Counselor at Hudson Hall
MARY NEWTON.....	Housemother at Senior Hall

INSTRUCTIONAL STAFF

Note: The date following the name indicates the beginning of service in the College.

LENA C. ADAMS (1948)

Instructor in Education and Counselor at Senior Hall

B.S., Ohio University

M.A., University of Oklahoma

CELIA BECK ALLEN (1948)

Acting Instructor in Remedial Education

B.A., Eastern Washington College of Education

Graduate study Eastern Washington College of Education

LYLA M. ANDERSON (1948)

Instructor in Education and Counselor at Hudson Hall

B.A., University of Minnesota

M.A., Northwestern University

Graduate study University of Minnesota

LOUISE C. ANDERSON (1915)

Associate Professor of Foods and Nutrition

B.S., University of Washington

Graduate study University of California, Oregon State College, Columbia University

HENRY A. BAMMAN, JR. (1948)

Instructor in English

B.S., Missouri State Teachers College

B.A., Missouri State Teachers College

M.A., University of Colorado

DAVID A. BARBER (1923)

Associate Professor of Psychology

B.A., University of Washington

M.A., University of Washington

Ph.D., University of Washington

Graduate study University of Chicago

AMSEL B. BARTON (1940)

Assistant Professor of Elementary Education

B.A., Eastern Washington College of Education

M.A., Columbia University

Graduate study Stanford University

WILFRED W. BEARD (1948)*Acting Instructor in Physical and Health Education*

B.A., Eastern Washington College of Education

RAYMOND F. BELL (1940)*Assistant Professor of Science and Mathematics*

B.A., West Virginia Institute of Technology

M.S., University of Michigan

Graduate study University of Kentucky, University of Wisconsin, University of Michigan, Oregon State College

HUGH M. BLAIR (1928)*Librarian*

B.A., University of Kansas

B.A. in L.S., Columbia University

Graduate study University of Kansas, Harvard University, Columbia University

A. MADISON BREWER (1946)*Principal of the College Elementary School and Assistant Professor of Education*

B.A., Eastern Washington College of Education

M.A., Colorado State College of Education

Graduate study Colorado State College of Education

JAMES ROBERT BRIGGS (1948)*Instructor in Economics*

B.A., University of Washington

Graduate study University of Washington

KATE BRODNAX PHILLIPS (1928)*Assistant Professor of Textiles and Clothing*

B.A., University of Oklahoma

M.A., University of Washington

Graduate study New York School of Design, University of Texas, University of Costa Rica

GUY E. BROWN (1947)*Instructor in Psychology*

B.A., San Jose State College

M.A., Stanford University

Graduate study University of Rochester, University of Minnesota

LOUISE VANDEVANTER CASH (1944)*Instructor in Elementary Education*

B.A., Colorado State College of Education

M.A., Colorado State College of Education

Graduate study University of Washington, State University of Iowa

VIOLA M. CASSIDY (1937)*Assistant Professor of Education and Psychology*

B.A., Western Reserve University

M.A., Columbia University

Graduate study Ohio State University

CORA M. CHESNUT (1946)Instructor in Physical and Health Education*

B.A., Eastern Washington College of Education

*On leave of absence 1948-49.

GEORGE E. CRAIG (1912)*Emeritus Professor of Education*

B.A., Stanford University

JEANETTE G. CRANMER (1948)*Instructor in Speech*

B.A., Brigham Young University

M.A., Stanford University

CLARENCE G. CROSS (1948)*Acting Instructor in Biology*

B.A., Eastern Washington College of Education

HOPE E. CULLEN (1939)

*Assistant Professor of Elementary Education and Librarian in
College Elementary School*

B.A., Eastern Washington College of Education
M.A., New York University

EDWARD L. DALES (1917)

Assistant Professor of Industrial Arts

B.S., University of Wisconsin
Graduate study Stout Institute, Oregon State College, University of California

PATRICIA DAMON (1948)

Instructor in Education and Housemother at Monroe Hall

B.A., Carleton College
M.A., Stanford University
Graduate study University of Minnesota

FLORA E. DAVIDSON (1921)

Assistant Professor of Health Education

B.S., University of Missouri
M.A., Columbia University
Graduate study University of Southern California

JEAN DAVIS (1947)

Instructor in Modern Languages

B.A., State College of Washington
M.A., State College of Washington
Diploma de Professeur de francais a l'etranger Sorbonne

ARETAS A. DAYTON (1942)

Assistant Professor of Social Studies

B.Ed., Illinois State Normal University
M.A., University of Illinois
Ph.D., University of Illinois

M. VIRGINIA DICKINSON (1921)

Associate Professor of English

B.A., University of Wisconsin
M.A., University of Washington

DAPHNE A. DODDS (1947)

Instructor in English and Speech

B.A., University of Michigan
M.A., University of Michigan
Graduate study University of Chicago

GRAHAM M. DRESSLER (1940)

*Head of the Division of Languages and Literature, Associate Professor of
English*

B.A., University of Illinois
M.A., University of Illinois
Ph.D., University of Washington

CECIL P. DRYDEN (1923)

Assistant Professor of History

B.A., University of Washington
M.A., Columbia University
Graduate study University of Moscow (Russia)

H. ANTOINETTE DUSTIN (1920)

Assistant Professor of Physical Education

B.A., Eastern Washington College of Education
M.A., New York University

CHRISTINE ELROD (1947)

Instructor in English and Speech

B.A., Southwestern Oklahoma State College
Graduate study Oklahoma Agricultural and Mechanical College

ANDREW ELWICK (1947)*Assistant Registrar and Instructor in Economics*

B.B.A., University of Washington
Graduate study University of Washington

WILLIAM H. FISHER (1947)*Instructor in Education*

B.A., University of Washington
Ed.M., University of Washington
Graduate study Columbia University

GENEVA E. FOSS (1946)Instructor in Journalism*

B.A., University of Oregon
M.A., Montana State University
Graduate study University of California, University of Missouri

*On leave of absence 1948-49.

CLARK M. FRASIER (1930)*Director of In-Service Education and Student Teaching and Professor of Elementary Education*

B.A., Colorado State College of Education
M.A., Colorado State College of Education
Graduate study George Peabody College for Teachers, Colorado State College of Education

OTIS W. FREEMAN (1924)*Head of the Division of Physical Sciences and Mathematics and Professor of Geography*

B.A., Albion College
M.S., University of Michigan
Ph.D., Clark University

CAROLYN POLENSKE GILES (1948)*Acting Instructor in Elementary Education*

B.A., Eastern Washington College of Education

RAMOND M. GILES (1946)*Instructor in Aeronautics and Safety Education*

B.A., Eastern Washington College of Education

ESTHER M. GINGRICH (1930)*Assistant Professor of Art*

B.A., University of Washington
M.A., Columbia University
Graduate study University of Washington, Carnegie Institute of Technology

EVELYN D. GOODSELL (1927)*Assistant Professor of Music*

B.A., Carleton College
M.A., Columbia University
Graduate study American Conservatory of Music, Iowa State Teachers College, Columbia University

LOUIS V. GRAFIOUS (1948)*Instructor in English*

B.A., Albany College
M.A., University of Oregon
Graduate study University of Washington, State College of Washington

JOYCE GRIESINGER (1948)*Instructor in Education and Assistant Counselor at Monroe Hall*

B.A., State College of Washington
Graduate study Stanford University

JOHN P. GRUBER (1927)*Assistant Librarian*

B.A., Indiana University
Graduate study University of Wisconsin, State College of Washington, University of Washington

DORINE GUTHRIE (1946)

Assistant Professor of Mathematics

B.A., University of Oklahoma

M.A., University of Oklahoma

Graduate study University of California at Los Angeles, University of Oklahoma

MARIE HAAS (1930)

Assistant Librarian

B.A., Eastern Washington College of Education

M.A., University of Washington

Graduate study University of Southern California

BERTRAM HAIGH (1948)

Part-time Instructor in French Horn

BENEDICT T. HALLGRIMSON (1946)

Assistant Professor of Music

B.M., University of Washington

Graduate study University of Washington

DANA E. HARTER (1947)

Assistant Professor of Chemistry

B.S., University of Washington

M.S., University of Washington

Ph.D., University of Washington

FLORENCE A. HEISLER (1943)

Director of the Psychological Clinic and Associate Professor of Education and Psychology

B.S., New York University

M.A., New York University

Ph.D., New York University

CHARLOTTE P. HEPPELLE (1946)

Instructor in Modern Languages

B.M., University of Washington

Graduate study University of Minnesota, University of Puerto Rico

CHARLES A. HERRING (1946)

Dean of Men and Assistant Professor of English

B.A., University of Iowa

M.A., University of Iowa

Graduate study Stanford University

HJALMAR E. HOLMQUIST (1923)

Director of Publications and Associate Professor of Journalism

B.A., Stanford University

Graduate study University of Washington

JOSEPH W. HUNGATE (1905)

Head of the Division of Applied Sciences and Arts and Professor of Biology

B.A., State College of Washington

M.S., Cornell University

Graduate study and research University of Washington, University of California

ESTELLE CALKINS HUNT (1948)

Instructor in Foods and Nutrition

B.S., Oregon State College

M.S., Oregon State College

Graduate study University of Washington

WALTER W. ISLE (1945)

President

B.A., University of Oklahoma

M.A., Columbia University

Ed.D., Stanford University

BETTY M. KANABLE

Instructor in Piano and Music Theory

B.A., Pennsylvania State Teachers College

M.M., University of Rochester (Eastman School)

CLARA KESSLER (1947)*Instructor in English*

B.A., Central Oklahoma State College

M.A., Columbia University

Graduate study University of Oklahoma, Oklahoma City University

JOHN W. KING (1948)*Acting Instructor in Economics*

LL.B. Drake University

CEYLON S. KINGSTON (1901)*Emeritus Vice-President and Emeritus Professor of History and the Social Studies*

B.A., St. Lawrence University

M.A., University of Michigan

LL.D., State College of Washington

Graduate study and research Columbia University, University of Washington

FLORENCE BEAM KREBSBACH (1947)*Instructor in Physical Education*

B.A., University of Washington

M.A., Wellesley College

RAYMOND P. KREBSBACH (1948)*Instructor in English*

B.S., University of Nebraska

Graduate study Colorado State College of Education

RUTH J. KRIEHN (1948)*Instructor in Physical Education for Women*

B.S., University of Wisconsin

M.A., University of Wisconsin

M.S., University of Wisconsin

JAMES S. LANE (1923)*Superintendent of Buildings and Grounds and Assistant Professor of Industrial Arts*

B.S., Oregon State College

M.S., Oregon State College

CHARLOTTE C. LANG (1922)*Assistant Professor of Elementary Education*

B.S., Columbia University

M.A., Columbia University

Graduate study Columbia University

ROBERT N. LASS (1947)*Instructor in English*

B.A., University of Iowa

M.A., University of Iowa

Ph.D., University of Iowa

MARIAN A. LAWTON (1922)*Assistant Professor of Music*

B.A., State College of Washington

B.M., State College of Washington

M.A., Stanford University

BERTHA E. LINCOLN (1946)Instructor in Economics*

B.A., Arizona State College

M.A., Columbia University

ALBERT P. LUDWIG (1939)*Head of the Division of History and Social Studies and Professor of History and Sociology*

B.A., Oberlin College

M.A., University of California

Ph.D., University of California

ALMA HEFLIN McCORMICK (1948)

Acting Instructor in English

B.A., Eastern Washington College of Education
Graduate study Eastern Washington College of Education

MARGARET E. McGRATH (1928)

Assistant Professor of Elementary Education

B.A., University of Minnesota
M.A., Columbia University
Graduate study University of Minnesota

RICHARD F. MILLER (1940)

Assistant Professor of English

B.A., University of Oregon
M.A., Columbia University
Ph.D., University of Washington

GEORGE L. MONTAGNO (1948)

Instructor in Social Studies and Head Counselor at Hudson Hall

B.A., Middlebury College
M.A., Columbia University

EUNICE NELSON (1931)

Dean of Women and Assistant Professor of Economics

B.A., University of Wisconsin
M.A., Columbia University
Graduate study University of California, University of London, University of Southern California, University of Chicago

*MARY MILES NEVERS (1946)

Instructor in Speech

B.A., Eastern Washington College of Education
Graduate study Northwestern University

*On leave of absence 1948-49.

EVEUS G. NEWLAND (1937)

Assistant Professor of Elementary Education

B.A., Colorado State College of Education
M.A., Colorado State College of Education
Graduate study State University of Iowa

E. JANE PATTERSON (1948)

Instructor in Elementary Education

B.A., University of Denver
M.A., Colorado State College of Education

HOWARD C. PAYNE (1947)

Assistant Professor of History

B.A., University of California
M.A., University of California
Ph.D., University of California

MABEL L. PEARSON (1943)

Instructor in Elementary Education

B.A., Eastern Washington College of Education
M.A., Colorado State College of Education

OMER O. PENCE (1925)

Director of Placement and Extension and Assistant Professor of Geography

B.A., Eastern Washington College of Education
B.A., University of Washington
M.A., University of Washington
Graduate study University of Washington

ALFRED W. PHILLIPS (1948)

Instructor in Mathematics

B.A., Monmouth College
M.A., University of Chicago

GLADYS O. PHILPOTT (1947)

Instructor in Education and Psychology

B.A., University of Oregon

M.A., Stanford University

ALBERT H. POFFENROTH (1946)

Football Coach and Instructor in Physical Education

B.A., Eastern Washington College of Education

Graduate study State College of Washington

ARNE W. RANDALL (1948)

Instructor in Art

B.A., Central Washington College of Education

M.A., Columbia University

Graduate study Columbia University, Chicago Art Institute

WILLIAM B. REESE (1930)

Director of Athletics and Instructor in Physical Education

B.A., State College of Washington

Graduate study State College of Washington, New York University

RUTH S. RIDDLE (1932)

Assistant Librarian

B.A., Eastern Washington College of Education

ROBERT W. ROGERS (1941)

Assistant Professor of Biology

B.A., Eastern Washington College of Education

M.S., University of Washington

W. LLOYD ROWLES (1929)

Head of the Division of Music and Professor of Music

B.M., Northwestern University

M.M., Northwestern University

Graduate study Northwestern University, Colorado State College of Education

FRANCIS J. SCHADEGG (1947)

Instructor in Geography

B.A., Eastern Washington College of Education

M.A., Clark University

Graduate study Clark University

CLAYTON B. SHAW (1947)

Assistant Professor of Philosophy and Sociology

B.A., University of Washington

Graduate study University of Washington, Harvard University

EDITH M. SHAW (1947)

Assistant Librarian

B.S., Simmons College

Graduate study University of Chicago

WARREN SIGNOR (1948)

Part-time Instructor in Stringed Instruments

Study Curtis Institute

T. STEWART SMITH (1947)

Instructor in Music

B.A., University of Washington

M.A., University of Washington

Graduate study University of Chicago

GEORGE STAHL (1947)

Instructor in Mathematics and Science

B.A., Huron College

M.A., Colorado State College of Education

Graduate study University of Washington

DAN STAVELY (1947)

Baseball Coach and Instructor in Physical Education and Modern Languages

B.A., University of Denver
Graduate study University of Denver

HAROLD K. STEVENS (1946)

Instructor in Speech and Drama

B.A., Eastern Washington College of Education
M.A., Northwestern University

*L. JEAN STEVENS (1943)

Instructor in Piano and Music Theory

B.A., Eastern Washington College of Education
M.M., University of Rochester (Eastman School)

*LULU F. STEVENSON (1946)

Instructor in Piano

B.M., Cosmopolitan School of Music
Graduate study Northwestern University

EDGAR I. STEWART (1942)

Assistant Professor of History and Social Studies

B.A., University of Washington
M.A., University of Washington
Ph.D., University of California

JEAN SWANSON

Instructor in Piano, Organ, and Music Theory

B.A., Macalester College
M.M., Northwestern University

*On leave of absence 1948-49.

MARY G. SWERER (1920)

Associate Professor of Art

Graduate Pratt Institute
M.A., Columbia University
Graduate study Columbia University

W. HAROLD TALLYN (1925)

Assistant Professor of Chemistry

B.S., Shurtleff College
M.S., University of Illinois
Graduate study University of Illinois

GOLDIE M. TAYLOR (1947)

Instructor in Economics

B.A., Arizona State College
M.A., Columbia University

FRANCES WILSON THORINGTON (1948)

Acting Instructor in Elementary Education

B.A., Eastern Washington College of Education
Graduate study Eastern Washington College of Education

T. EARL TILLEY (1948)

Instructor in Education and Psychology

B.A., Illinois State Teachers College
M.A., University of Chicago
Ph.D., Northwestern University

LOYD W. VANDEBERG (1947)

Instructor in Industrial Arts

B.S., Stout Institute
M.S., Stout Institute

MERLE J. VANNOY (1947)

Boxing Coach and Instructor in Physical Education

B.S., State College of Washington

OPAL WALKER (1947)*Instructor in Voice and Music Theory*

B.S.M., Morningside College

M.M., Northwestern University

Graduate study Julliard School of Music, Columbia University

GEORGE W. WALLACE (1925)*Registrar and Associate Professor of Education*

B.A., State College of Washington

M.A., State College of Washington

Graduate study Stanford University, University of Washington

HAROLD P. WHELAN (1948)*Part-time Instructor in Stringed Instruments*

B.M., University of Washington

M.M., Northwestern University

NAN K. WILEY (1936)*Assistant Professor of Art*

Graduate Chicago Academy of Fine Arts

B.A., University of Oregon

M.F.A., University of Oregon

Additional study Academie de la Grande Chaumiere (Paris, France), Cranbrook Foundation

Graduate study University of Southern California

OBED J. WILLIAMSON (1932)*Head of the Division of Education and Psychology and Professor of Education*

B.S., University of North Dakota

M.A., Columbia University

Ph.D., Columbia University

FLORRIE WILSON (1947)*Instructor in Elementary Education*

B.A., Central Oklahoma State College

M.A., University of Oklahoma

Graduate study George Peabody College for Teachers

ARTHUR C. WOODWARD (1927)*Head of the Division of Physical and Health Education and Professor of Physical Education*

B.S., University of Vermont

Graduate study Harvard University, University of Illinois, University of Southern California

BETH WOLFE (1948)*Part-time Instructor in Oboe*

Study Boise Junior College

PAUL N. WOOLFE (1947)*Associate Professor of Economics*

B.S., University of California

M.S., University of California

Ph.D., University of California

SUSAN JEAN WOOTON (1948)*Acting Instructor in Piano*

B.A., University of Washington

Additional study University of Arizona, Seattle College

CAROL ZAFFARONI (1948)*Acting Instructor in Elementary Education*

B.A., Central Washington College of Education

JOE ZAFFORONI (1948)*Instructor in Elementary Education*

B.A., Central Washington College of Education

M.A., Colorado State College of Education

Index



- A cappella choir, 104.
- Academic probation, 111.
- Academic procedures, 110.
- Accreditation of the college, 113.
- Administrative council, 120.
- Administrative boards, officers,
and assistants, 122.
- Administrator's credentials, 112.
- Admission to the college, 6.
- Aeronautics, 20.
- Alpha Psi Omega, 102.
- Alpha Sigma, 104.
- Alumni committee, 120.
- Appointment (Placement) office, 119.
- Art, 20.
- Associated Students, 103.
- Associated women students, 103.
- Association for Childhood
Education, 104.
- Athletics committee, 120.
- Athletics, teams and facilities, 101.
- Attendance committee, 120.
- Bachelor of arts, 17.
- Bachelor of arts in education, 18.
- Bill Babin memorial scholarship, 109.
- Biology, 24.
- Board and room, 12.
- Board of trustees, 123.
- Buildings and equipment, 116.
- Calendar, 5.
- Campus, description of, 116;
activities, 102.
- Cap and gown fee, 12.
- Certification to teach, 111.
- Chemistry, 26.
- Classification of students, 111.
- Classroom Teacher Council, 104.
- Clubs, 102.
- College band, 104.
- College elementary school, 28.
- College orchestra, 104.
- Committees, faculty, 120.
- Contents, table of, 2.
- Convocations and lectures, 105.
- Correspondence courses, 118.
- Credits, 110.
- Curriculum committee, 120.
- Curricula, 15.
- Degree fee, 11.
- Degree and graduation candidacy, 113.
- Directory of personnel, 122.
- Discipline and conduct committee, 120.
- Disqualification, 111.
- Divisional organization, 119.
- Dormitories, 117; rates, 105; reserva-
tions, 106; withdrawals, off-campus
living, trailer houses, 107.
- Dropping of course, 13.
- Earning expenses, 13.
- Economics, 28.
- Education, 32.
- Electives, 12.
- Elementary principal's credential, 112.
- Ellen H. Richards, 104.
- Employment of students, 13.
- English, 39.
- Expenses of students, 7.
- Extension and correspondence
courses, 118.
- Facilities and organization, 116.
- Faculty, 123.
- Faculty committees, 120.
- Faculty organization and welfare
committee, 120.
- Fees, 7.
- Field house, 116.
- French, 43.
- Freshmen, requirements and
admission, 6.
- General education and junior college
committee, 120.
- General Sciences, 44.
- Geography and geology, 44.
- Geography club, 105.
- German, 47.
- Golden Circle, 104.
- Grade point average, 110, 114.
- Grading scale, 110.
- Graduation candidacy, 113.
- Graduation fee, 11, 113.
- Guidance and counseling, 108;
committee, 120.
- Hargreaves library, 116.
- Health fee, 7.
- History, 48.
- History of the college, 121.
- Home economics, 53.
- Honor roll, 113; freshman, 113.
- Honor students, 113.
- Honorary organizations, 104.

Index, (continued)

- Honorary service organizations, 105.
Hudson hall, 116, 117.
Humanities, 56.
Independent study, 114.
Independent study major, 114.
Index, 133.
Individual problem major, 96.
Industrial arts, 57.
Industrial arts building, 116.
Infirmary, 116.
Instruction and Scholarship committee, 120.
Instructional aids, materials committee, 120.
Instructional staff, 123.
Intercollegiate Knights, 105.
Integrated courses, 61.
International relations committee, 120.
Journalism, 62.
Junior college, 19.
Junior college opportunities, 97.
Kappa Delta Pi, 104.
Key, 104, 114.
Kinnikinick fee, 11.
Laboratory course fees, 7.
Late registration fee, 12.
Lectures, 105.
Librarianship, 63.
Library, 118; staff, 123; committee, 120.
Load, standard, 110.
Loan fund, 108.
Location of college, 116.
Martin hall, 116.
Master of education, 19.
Mathematics, 64.
Men's W Club, 102; scholarship, 109.
Minimum fees, 7.
Modern languages, 66.
Monroe hall, 117.
Music, 66, 102.
Music faculty scholarship, 109.
Music hall, 116.
Non-matriculated students, 6.
Off-campus service committee, 120.
Off-campus living, 107.
Overload, 110.
Parnassus, 102.
Philosophy, 73.
Physical and health education, 74.
Physical sciences, 80.
Physics, 80.
Placement office, 119.
Political science, 83.
Press club, 105.
Probation, 111.
Psychology, 85.
Public relations committee, 120.
Quarter system, 121; summer quarter, 121.
Ralph Earl Tieje, Junior, memorial scholarship, 108.
Ratcliffe house, 116.
Recruitment of teachers committee, 121.
Registration, 13.
Registration changes fee, 12.
Residence halls staff, 123.
Residence requirement, 115.
Scarlet Arrow, 115; achievement award, 109; athletic award, 109.
Scholarships and awards, 108.
Senior hall, 117.
Senior honors, 114.
Showalter hall, 116; annex, 116.
Social studies, 88.
Sociology, 88.
Spanish, 91.
Special education credential, 111.
Special program committee, 121.
Special students, 12, 115.
Speech, 92.
Standard load, 110.
State board of education, 122.
Student: activities fee, 7; assistance and incentives committee, 121; welfare and morale committee, 121; living, 105; loan fund, 108; organizations, 102.
Student life and welfare, 100.
Student teaching, 117.
Superintendent's credential, 112.
Summer quarter, 121.
Sutton hall, 117.
Tawanka, 105; alumnae scholarship, 109.
Teacher training committee, 121.
Testing and orientation, 13.
Three-year elementary certificate, 111.
Trailer houses, 12; 107.
Transcripts of record, 115; fee, 13.
Transfers, 6.
Vacations, 5.
Veterans, 100.
Voice test, 115.
Withdrawal from college, 13.
Women's W club, 102.



FRIENDLY, PERSONALIZED COLLEGE EDUCATION
