

4-1965

## '65 Graduate Catalog Central Washington State College

Central Washington University

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A stylized sunburst graphic composed of several overlapping, semi-transparent rectangular rays radiating from a central point. The rays are in various shades of brown and tan. The central point is partially obscured by a white circle containing the text "'65".

**'65**

GRADUATE CATALOG

**Central Washington State College**



'65

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**Central Washington State College**

Accredited by the National Council for Accreditation of  
Teachers Education and the Northwest Association  
of Secondary and Higher Schools

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Volume 57

April

Number Three

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Bouillon Library, Central Washington State College

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# Quarterly Calendar

## Spring Quarter 1965

Last Day to File Transcripts and Application for Spring Quarter .....	Monday, March 1
Registration for All Students.....	Monday and Tuesday, March 29-30
Instruction Begins .....	Wednesday, March 31
Class Schedules May Be Changed .....	Tuesday, April 6
Symposium .....	Wednesday through Saturday, April 21-24
Opening Dates of Final Examinations.....	8:00 a.m., Tuesday, June 8
Spring Quarter Closes .....	5:00 p.m., Friday, June 11
Degree Candidate Grades Due .....	3:00 p.m., Friday, June 11
Commencement Exercises .....	10:00 a.m., Saturday, June 12

## Summer Quarter 1965

Last Day to File Transcripts and Application for Summer Quarter .....	Monday, May 17
Last Day to Pay Pre-Payment Fees .....	Monday, May 17
Registration for All Students .....	Monday and Tuesday, June 21-22
Class Instruction Begins .....	Wednesday, June 23
*Class Schedules May Be Changed .....	Friday, June 26
Independence Day Holiday .....	Monday, July 5
Last Day of Classes for First Term .....	Thursday, July 22
First Day of Classes for Second Term .....	Friday, July 23
Last Day of Classes .....	Friday, August 20

\*Note: There will be no second term registration or change of schedule.  
No classes may be added for either first or second term after Friday, June 26.

## Fall Quarter 1965

Last Day to File Transcripts and Application for Fall Quarter .....	Monday, August 2
Registration for Graduates .....	Monday, September 27
Instruction Begins .....	Thursday, September 30
Class Schedules May Be Changed .....	Tuesday, October 5
Opening Date of Final Examinations .....	8:00 a.m., Tuesday, December 14
Fall Quarter Closes .....	5:00 p.m., Friday, December 17

# Directory Of Personnel

## Board Of Trustees

Victor J. Bouillon, Chairman .....	Ellensburg
Archie S. Wilson, Vice Chairman .....	Richland
Mary Ellen Davis .....	Kirkland
Selma Therriault .....	Ephrata
Roy P. Wahle .....	Bellevue

## Administrative Officers

James E. Brooks, Ph. D. ....	President
J. Wesley Crum, Ph. D. ....	Dean of Instruction
Donald H. Duncan, Ed. D. ....	Dean of Students
Roy F. Ruebel, Ed. D. ....	Dean of Graduate Studies and Summer Session
Kenneth Courson, B.A. ....	Business Manager
Perry Mitchell, M.A. ....	Director of College Relations and Development
D. Daryl Basler, Ph. D. ....	Director of Institutional Research
Enos Underwood, M. Ed. ....	Registrar
George H. Fadenrecht, M.A.L.S. ....	Director of Libraries
Kenneth Hammond, M.A. ....	Director of Extension and Correspondence

## Committee On Graduate Study

Roy F. Ruebel, Ed.D., *chairman*; Herbert L. Anshutz, Ph.D.; Walter H. Berg, Ph.D., Wayne S. Hertz, Ed.D., Everett A. Irish, D.Ed., Edward P. Klucking, Ph.D.; T. Dean Stinson, Ed. D.

## Chairmen Of Academic Divisions

Division of Education .....	Alexander H. Howard, Jr., Ph. D.
Division of Fine and Applied Arts .....	Louis A. Kollmeyer, Ed. D.
Division of Language and Literature .....	Keith Rinehart, Ph. D.
Division of Physical Education .....	A. H. Poffenroth, M.S.
Division of Science .....	Dan L. Willson, Ph. D.
Division of Social Science .....	Donald F. Warner, Ph. D.

## Committee On Administrative Credentials

Ed K. Erickson, M.A., *chairman*; William G. Gaskell, Ed. D.; Donald G. Goetschius, Ed. D.



# General Information

Central Washington State College is located in Ellensburg, the geographical center of the State of Washington.

Ellensburg, a city of 8,975 situated at the foot of the Cascade Mountains in the beautiful Kittitas Valley, is 105 miles southeast of Seattle and 36 miles north of Yakima.

## General Catalog

Additional information about the College, including description of courses, can be found in the General Catalog. A copy may be secured by writing the Director of Admissions.

## Living Accommodations

Housing for both single and married students is available both on and off campus. Inquiries should be directed to Director of Auxiliary Services.

## Graduate Assistantships And Head Resident Assistantships

Two types of part-time positions are available to graduate students.

*Graduate Assistantships:* Available to those working or planning to work for the masters degree. The assistants are paid from \$100 to \$250 a month, with the larger amount requiring more work and a lightened academic load. Assignments are made to administrative offices or to faculty on the basis of applicant's background. Write to Dean of Graduate Studies for further information and application forms.

*Head Resident Assistantships:* The residence hall program at Central is designed to create a climate of individual creative thought and action, at the same time developing a mature understanding of new found freedoms and the responsibilities of residence hall and college life.

Several head resident and assistant head resident positions are available to qualified single or married graduate students who plan to work on the master's degree or the fifth-year program. These positions pay from \$60 to \$225 per month for 10 months and include a furnished apartment. Head residents may take up to 12 hours of graduate credit each quarter. The head resident is responsible for the personnel functions of the hall and for certain administrative duties.

Graduate students interested in these assistantships should apply to the Dean of Students. Applications for assistantships for the academic year should be in by March 15.

## History

Central Washington State College was founded by the first Washington legislature in 1890 as Washington State Normal School. The School opened in 1891 with four faculty members and 86 students occupying the second floor of the Washington Public School in Ellensburg. Presently Central has 56 buildings on 116 acres. The estimated worth of the campus is more than \$16.5 million.

In 1933 the legislature authorized the College to grant the B.A. degree. In 1937 the name was changed to Central Washington College of Education. The 1947 legislature authorized B.A. degrees in Arts and Sciences and the Master of Education degree. Since 1949 more than 900 master's degrees have been granted, and during each of the past two years, more than 100 students have earned the M. Ed. degree in 30 fields of specialization.

The latest name change — to Central Washington State College — was made in 1961. Dr. James E. Brooks became the eighth president of the College in that year. The 1963 legislature authorized M.A. and M.S. degrees. Today, the faculty numbers 202 and the enrollment exceeds 3,700 students.

## Accreditation

The National Council for Accreditation of Teacher Education has fully accredited Central Washington State College to prepare elementary and secondary school teachers and school service personnel (principals, guidance counselors and school psychologists) with the master's degree the highest degree approved.

The College is also fully accredited by the Northwest Association of Secondary and Higher Schools.

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

## Bouillon Library

The library collections are housed in the highly functional, modern Bouillon Library. It is designed for users of books as well as a storehouse of books. Its layout makes available to students and faculty the films, music, phonodiscs, art prints, and periodicals indispensable to modern education. A staff of experienced librarians, audiovisual experts, and other specialists are on duty to assure competent service.

The library book collection contains approximately 100,000 volumes to which additions are being made continuously. More than 1,200 periodicals including newspapers are available under open shelf conditions similar to those for books.

*Audiovisual materials*, including 2,450 motion picture films, 1,225 filmstrips, 110 slide sets, 210 non-music phonodiscs, 150 tapes, and 57 teaching machine programs are available to students. In addition to these holdings, more than 5,000 musical recordings are available.

*Special Collections*. Archives, maps, and the Herbert C. Fish Memorial Library of Pacific Northwest History may be found in Bouillon Library.

*Instructional materials* are available through the audiovisual library. These materials include recordings, slides, charts, graphs, posters, photographs, and other special order materials.

*Curriculum Laboratory* is planned to house materials such as courses of study, subject unit outlines, representative textbooks, and related materials invaluable to teachers and future teachers.

## Television For Education

Closed-circuit television connects the Ellensburg public schools by cable to observation rooms on the College campus. The system, used for observations and demonstrations in the teacher education program, makes it possible to observe in more than 90 per cent of the classrooms in the local public school system.

## Elementary School Library

Elementary School Library is located on campus in Hebeler Elementary School. An attractive library, it serves the needs of the school and also gives prospective teachers and teacher-librarians opportunity to observe the important role of a well-equipped library in elementary education.

## Summer Session

Central Washington State College provides substantial undergraduate programs and complete graduate programs during the nine-week session. The summer bulletin, issued annually, may be secured by writing to the Director of Summer Session.

# Recreational Opportunities

Located at the crossroads of the state, Central is in an outdoor recreational paradise. Skiing, fishing, hunting, boating, and golf are among the favorites in this scenic land of mountains, rivers, streams, and forests. The many historic and other scenic features of the Pacific Northwest are also within a short distance of Ellensburg.

## Tuition And Fees

### General Fees

All regular students enrolled during autumn, winter, and spring quarters pay a General Fee of \$62 per quarter to assist in the support of such programs as library, student and alumni activities, construction and operation of facilities for student living and services, and other regular college functions.

### Summary of Expenses\*\*

	<i>Per Quarter</i>
Tuition (Residents of Washington) .....	\$ 15.00
(Out of State Students) .....	45.00
General Fees .....	62.00
Board and Room	
Autumn .....	\$227-\$251
Winter .....	\$208-\$230
Spring .....	\$208-\$230
Total Fixed Costs Per Quarter	
(Residents of Washington) .....	*\$285.00 to \$328.00
(Out-of-State Students) .....	*\$315.00 to \$358.00

\*These rates available to men in Alford, Carmody, Dixon, Montgomery, and Munro Halls.

NOTE: Summer fees and room and board costs are different. Write for Summer Session Bulletin.

\*\*All costs are subject to change.

# The Graduate Study Programs

Central Washington State College offers several graduate study programs to meet the advanced educational needs of teachers, school administrators, and special service personnel who hold a bachelor's degree. Included among these programs are those leading to one or more of the following: teaching certificates, principals' credentials, and the master of education degree.

In 1963, the State Legislature authorized the State Colleges to grant the master of arts and the master of science degrees. The general structure has been developed and the first degrees will be granted in 1965. Questions regarding specific programs should be referred to the Dean of Graduate Studies.

The Committee on Graduate Study recommends policy regarding work toward the the master's degree and advises the Dean of Graduate Studies on matters referred to it. The Committee assists with study and development of curriculum proposals at the graduate level.

## Admission to Graduate Study

Students enrolled to complete fifth-year requirements or the master's degree are considered graduate students. To enroll for graduate credit one must:

1. Have earned a bachelor's degree, or
2. Be within twelve (12) credits of earning a bachelor's degree and in the final quarter of undergraduate work. (Courses not needed for the undergraduate degree may be taken for graduate credit if arrangements are made with the Dean of Graduate Studies during the first week of the quarter in which the work is taken.)
3. Students entering Central Washington State College for the first time and/or students beginning a degree program must submit the following forms to the Office of the Registrar:
  1. Application for admission
  2. Master name card information
  3. Two copies of transcript from each institution previously attended mailed directly to the Office of the Registrar

An acceptance slip (or notice of rejection) will be sent upon receipt of the above information. The acceptance slip must be presented in order to begin registration.

4. In addition, students wishing admittance to the master's degree program must submit an Application for Admission to the master's degree program (see page 9). The form is available in the back of this bulletin.

# Fifth Year Of Study For The Standard Teaching Certificate

Graduation from Central Washington State College with a Bachelor of Education degree entitles the student to the Provisional Teaching Certificate, a license to teach in the schools of Washington for three years. It is renewable for an additional three-year period before being converted to the Standard Teaching Credential. Some points to be remembered are:

1. Renewal for the second three-year period requires completion of a minimum of 12 quarter credits and one year of successful teaching.
2. Conversion to the Standard Teaching Certificate requires completion of a fifth year of teacher education consisting of 45 credits. Two years of successful teaching experience are also required. Of the total credits earned:
  - a. A maximum of 12 credits may be earned by correspondence and/or extension.
  - b. Fifteen credits may be earned prior to the first year of teaching. Individual students may apply to the Dean of Graduate Studies for the approval of an additional 15 credits prior to the first year of teaching.
  - c. At least one-half of the total credits must be 300 level or above.
3. The student may choose any accredited college for completion of his fifth year. If the college chosen is in Washington, that college will be responsible for recommendation for the Standard Certificate. If the college chosen is outside Washington, Central Washington State College must be consulted prior to development of the program and will be responsible for recommending the certificate.
4. If a student has not completed an academic major as part of his undergraduate preparation, a major must be completed during the fifth year.
5. Thirty credits are to be earned in residence in a single institution.
6. One-half of the fifth year program (22½ credits) will be structured as follows:
  - a. Fifteen credits in subject matter area(s) related to his teaching field(s) and/or his major, with the approval of his academic major advisor. These 15 hours may be used to complete an undergraduate major during the fifth year of work.
  - b. Seven and one-half credits from the following list of professional courses:

Ed. 316, Instructional Aids: Classroom Utilization  
 Ed. 362, Educational and Psychological Statistics  
 Ed. 417, Radio and TV in Classrooms  
 Ed. 447, Classroom Teaching Problems  
 Ed. 450, Instructional Aids: Local Production  
 Ed. 452, Junior High School Curriculum  
 Ed. 459, Teacher Counseling.  
 Ed. 460, Parent-Teacher Counseling  
 Ed. 462, Construction and Use of Classroom Tests  
 Ed. 467, Philosophy of Education  
 Ed. 468, History of Education  
 Ed. 476, School and Community Relations  
 Ed. 507, Introduction to Graduate Study  
 Ed. 508, Comparative Education  
 Ed. 551, Elementary School Curriculum  
 Ed. 552, Senior High School Curriculum  
 Ed. 555, Program of Curriculum Improvement  
 Ed. 562, Evaluation of the Schools  
 Ed. 570, Educational Foundations  
 Psych. 552, Human Growth and Development, Advanced

7. Qualified students may organize their fifth year of study to include work toward the Master's degree.

## Remedial And Special Education Certificates

Preparation for certain special certificates, authorized by the State Board of Education, is available at Central Washington State College. Among these certificates are the following:

Principals' Credentials  
 School Psychologist's Credential  
 Librarian's Certificate

A complete description of these programs may be found on the following pages.

Those interested in other special certificates should write to the Department of Certification, % State Board of Education, Olympia, Washington.

## Principals' Credentials: Elementary, Secondary, And General

This program is designed to meet the requirements of the State Board of Education for the preparation of principals. Provision is made for the development of professional skills and knowledge in educational admin-

istration and supervision, for work in such supporting fields as the school curriculum, methods, materials, guidance and counseling, evaluation and testing, the history and philosophy of education, and for the improvement of the student's general education and teaching competence.

Since the requirements for a Standard Principal's Credential includes a master's degree, the following program includes the basic required work for this degree.

### **I. Requirements for a Provisional Principal's Credential**

- A. Possession of a valid teaching certificate.
- B. Three years of verified successful teaching experience, as follows:
  - ELEMENTARY PRINCIPAL: At least two years in an organized elementary school.
  - SECONDARY PRINCIPAL: At least two years in an organized junior, senior, or four-year high school.
  - GENERAL PRINCIPAL: At least one year in an organized elementary school and one year in an organized, junior, senior, or four-year high school.
- C. Completion of a fifth college year of 45 quarter hours plus 9 hours earned after completion of the fifth college year. The latter are to be selected according to the needs of the student and with the advisement of his counselor. A laboratory or internship type experience must be included.
- D. If a master of education degree is to be earned together with the Provisional Principal's Credential the following requirements must be completed:
  - 1. Basic courses:
    - Education 507 Introduction to Graduate Study
    - Education 570 Educational Foundations
    - Psychology 552 Human Growth and Development—Advanced
    - Education 600 Thesis
  - 2. An administration and supervision field of specialization.

### **II. Requirements—Standard Principal's Credential**

- A. Possession of a valid teaching certificate.
- B. Three years successful principal's experience as follows:
  - ELEMENTARY PRINCIPAL: At least two years in an organized elementary school of six or more teachers.
  - SECONDARY PRINCIPAL: At least two years in an accredited junior, senior, or four-year high school.
  - GENERAL PRINCIPAL: At least one year in an organized elementary school of at least six teachers and one year in an



accredited junior, senior, or four-year high school.

- C. Possession of an earned master's degree.
- D. Completion of 12 quarter credits after issuance of the Provisional Principal's Credential. His principalship experience and the work suggested for the Provisional Principal's Credential should serve as guides to the work needed. These credits must be earned after one year of principal's experience on the Provisional Principal's Credential.

# Master Of Education Degree Program

## Admission

Formal admission to the master's degree program is based upon completion of several requirements:

1. Admission to graduate study.
2. Application for admission to the master's degree program and receipt by the Graduate Office and also by the Registrar's Office of official copies or transcripts covering the baccalaureate degree and any courses taken subsequently. (See application form in the back of this bulletin.)
3. Attainment of certain scholastic levels.
  - a. For students with an undergraduate cumulative g.p.a. of 3.00 or above—no waiting period.
  - b. For students with undergraduate cumulative g.p.a. of 2.5 to 2.99—one quarter of approved graduate work with a g.p.a. of 3.00 or above. This work may count toward the degree. ✓  
Students with a cumulative g.p.a. below 2.5 are discouraged from working toward a master's degree. However, upon completing one quarter of graduate work with a g.p.a. of 3.00 or above, the student may petition the Graduate Study Committee for admission to the master's degree program. Any 500 level courses and courses in the field of specialization taken before admittance may be counted toward the degree if they are approved by the student's committee and the Dean of Graduate Studies.
4. Satisfactory performance on a test of general ability including the Graduate Record Examination.
5. Approval of a course of study by the student's committee chairman.

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NOTE: The Student should apply for admission to the M.Ed. program at least one quarter before he plans to enroll in graduate courses. At that time he should inform the Graduate office of his proposed field of specialization, should file an official transcript of his undergraduate work, and should indicate his choice of a committee chairman if he has a preference.

Transfer students, from other institutions or from the fifth year program, may count appropriate graduate courses toward their degree.

Students who hold a bachelor's degree and are working on initial teacher certification in Washington and/or a bachelor of education degree may earn graduate credit in approved courses concurrently. However, no credits applied toward the initial certification or the second bachelor's degree may be counted in the master's degree program. Arrangements for taking such graduate work must be made with the Dean of Graduate Studies and the appropriate division chairman and filed with the Registrar.

### **Admission to Candidacy**

Students are admitted to candidacy after they have registered for courses which will complete the master's degree program. In addition, master of education candidates, with the exception of certain school psychologist candidates, must have completed at least one year of successful teaching experience and have met requirements for a teaching certificate.

## **Requirements For Master Of Education Degree**

### **Thesis**

Two alternatives are available for meeting the thesis requirement, one requiring a six credit thesis and the other a three credit thesis. The thesis shall demonstrate the student's ability to do independent study and to report in writing.

The student must submit a prospectus to his committee and have it approved before work is begun. It is expected that wide variations will occur in the nature of these theses. Some might be reports on original research while others might be library research. Another might be an analysis of a painting or other project done in connection with a requirement in his field of specialization. Faculty responsible for individual fields of specialization will determine what is acceptable in each area.

The thesis must conform to standards of typing approved by the Graduate Study Committee. Three (3) copies of the completed thesis must be deposited with the Dean of Graduate Studies and the necessary binding fees paid by the student. After binding, two copies remain in the library and one copy is delivered to the student.

### **Residence Requirements**

Three quarters in residence are required, two of which must be at Central Washington State College.

Two quarters in residence are required after a student has been admitted to the master's degree program.

A quarter of residence is defined as the completion of a minimum of twelve credits of regularly scheduled work during the regular quarter or full summer session.

Lesser amounts shall be counted according to their proportion of the minimum load of twelve credits. Regardless of the number of credits earned during one term of the summer session, not more than one-half quarter of residence may be counted.

### **Transfer of Credit**

A maximum of fifteen quarter credits for approved courses may be transferred from other institutions which offer graduate degrees. Transfer of such credit shall be made only upon presentation of a written request by the student.

### **Introduction to Graduate Study**

Education 507, Introduction to Graduate Study, is required of all students earning a master of education degree and must be taken prior to the final quarter of residence.

### **Correspondence Courses, Extension Courses, and Workshops**

Credits earned in correspondence courses may not be applied to the master's degree. No more than nine (9) quarter credits for extension work may be allowed for the master's degree. For such courses the standard of work must be equal to that of courses offered on campus. Extension courses do not apply in satisfying the residence requirement. Not more than two (2) workshops with a combined maximum of eight (8) credits can be accepted as part of the master of education degree program.

### **Maximum Time Limit**

No credit earned more than six (6) years before the date of the degree award may be counted as part of the 45 credit requirement except as may be approved by formal action of the Graduate Study Committee.

### **Scholarship Standards**

Persons earning the master's degree must have maintained a grade point average of 3.0 or above for all graduate work taken as part of the degree program. No credits shall be accepted for courses in which a grade of less than "C" is earned, but such grades will be used in calculating the cumulative grade point average. Excess extension credits (beyond nine (9)) and excess workshop credits (beyond two (2) workshops) will not be used in calculating grade point average.

No student shall be given further consideration for admission to candidacy for the master's degree who has accumulated any of the following:

1. 36 quarter credits with a cumulative g.p.a. of less than 3.00 or
2. Three quarters enrollment with a cumulative g.p.a. of less than 3.00 or
3. Eight separate enrollments with a cumulative g.p.a. of less than 3.00.

### **Student Load**

The normal load for graduate students is 15 credits per quarter. All loads above 16 credits shall be approved by the Graduate Study Committee. For one term of the summer session eight credits shall be the maximum load without approval of the Graduate Committee. Under no circumstances should more than 18 credits be granted to any graduate student during one quarter or nine credits during one term. A graduate student is defined as any student holding a bachelor's degree.

### **Credits Required**

The candidates must complete 45 quarter credits in the 300, 400, 500, and 600 groups. Not less than 27 quarter credits or 60 per cent of the total of 45 required for graduation must be in the 400, 500, and 600 groups.

### **Final Examinations**

After admission to candidacy, the student must pass oral and/or written examinations covering courses, seminars, and thesis.

An application for final examination, approved by the committee, must be filed in the Office of the Dean of Graduate Studies at least two weeks in advance of the examination. Final examinations are conducted by the candidate's committee and are open to the faculty. However, the committee alone shall decide upon the merit of the candidate's performance.

### **Application for Degree**

Graduation fees must be paid and application for the degree must be filed during the quarter in which the degree is to be awarded.

### **Restricted Use of Questionnaires for Thesis Studies**

A graduate student who plans to use a questionnaire in connection with his master's degree thesis or project study must have prior approval of his adviser or committee chairman and the Dean of Graduate Studies. This requirement is intended primarily to protect personnel of nearby schools, businesses, and organizations from repetitious requests for previously supplied information. A petition form to clear use of questionnaires is available in the Graduate Office.

## Graduation

Commencement exercises are held in June at the close of the regular school year. All candidates for the master's degree are expected to participate in the commencement exercises following the granting of the degree regardless of the quarter in which they complete degree requirements.

## Responsibility of Students

Graduate students are expected to know the requirements for the master's degree. The Office of the Dean of Graduate Studies and the faculty will try to aid in all possible ways, but the responsibility for any errors of enrollment or interpretation of the requirements remains with the students.

# General Outline Of Course Work For Master Of Education Degree

<i>Required Courses (9 credits)</i>	<i>Credits</i>
Education 507 Introduction to Graduate Study .....	3
Education 570 Educational Foundations .....	3
Psychology 552 Human Growth and Development—Advanced.....	3

## Areas of Specialization

The area of specialization shall consist of courses approved by the division or department. Credits will total from 20 to 30 credits including thesis. Course will follow the design given for one of the areas described in the section following or as approved by the department and Dean of Graduate Studies.

## Electives

The remainder of credits needed to complete the required 45 credits should be carefully planned on the basis of the needs of the candidate. All graduate programs should contain work of both professional and academic nature.

# Fields Of Specialization

In order to undertake a field of specialization, the student must have completed a minimum of background courses including basic undergraduate preparation for the specified field of specialization. This minimum should be adequate to enable the student to do successfully the required work.

## Administration And Supervision

### ELEMENTARY SCHOOL PRINCIPAL

(a) Required	Credits		
Ed. 587 Educational Administration.....	5	Ed. 585 School Supervision .....	5
Ed. 579 Elementary School Principal.....	5	Ed. 586 School Building Maintenance .....	2
Ed. 551 Elementary School Curriculum.....	3	Ed. 589 School Building Planning .....	5
Ed. 600 Thesis .....	3 or 6	Ed. 590 Public School Finance.....	5
(b) Elect from the following to complete		Ed. 599A Seminar in Educational	
30 credits in (a) and (b)*.....	11 or 14	Administration .....	3
Ed. 467 Philosophy of Education .....	3	Psych. 444 Tests and Measurements.....	4
Ed. 468 History of Education .....	2	(c) Related Courses .....	9-10
Ed. 476 School and Community.....	3	Elect a minimum of 9 credits from	
Ed. 487 Group Processes and Leadership....	3	education and psychology courses.	
Ed. 508 Comparative Education .....	3	(d) Background Courses .....	5-6
Ed. 562 Evaluation of the School Program	3	Elect a minimum of 5 credits from among	
Ed. 576 Personnel Relations in Schools.....	3	eligible courses in philosophy, history, po-	
Ed. 578 Instructional Aids: Administration	3	litical science, sociology, literature, or oth-	
Ed. 583 Field Project in School		ers dealing with the Western culture.	45
Administration .....	1 - 15		

### JUNIOR HIGH SCHOOL PRINCIPAL

(a) Required	Credits		
Ed. 587 Educational Administration .....	5	Ed. 583 Field Project in School	
Ed. 580 Junior High School Principal.....	5	Administration .....	1 - 15
Ed. 452 Junior High School Curriculum.....	3	Ed. 585 School Supervision .....	5
Ed. 600 Thesis .....	3 or 6	Ed. 586 School Building Maintenance.....	2
(b) Elect from the following to complete		Ed. 589 School Building Planning.....	5
30 credits in (a) and (b)*.....	11 or 14	Ed. 590 Public School Finance .....	5
Ed. 467 Philosophy of Education .....	3	Ed. 599A Seminar in Educational	
Ed. 468 History of Education .....	2	Administration .....	3
Ed. 476 School and Community .....	3	Psych. 444 Tests and Measurements .....	4
Ed. 487 Group Processes and Leadership....	3	(c) Related Courses .....	9-10
Ed. 508 Comparative Education .....	3	Elect a minimum of 9 credits from edu-	
Ed. 562 Evaluation of the School Program	3	cation and psychology courses.	
Ed. 576 Personnel Relations in Schools.....	3	(d) Background Courses .....	5-6
Ed. 578 Instructional Aids: Administration	3	Elect a minimum of 5 credits from among	
		eligible courses in philosophy, history, po-	
		litical science, sociology, literature or oth-	
		ers dealing with Western Culture.	45

### HIGH SCHOOL PRINCIPAL

(a) Required	Credits	(b) Elect from the following to complete	
Ed. 587 Educational Administration .....	5	30 credits in (a) and (b)* .....	11 or 14
Ed. 581 High School Principal .....	5	Ed. 467 Philosophy of Education .....	3
Ed. 552 Senior High School Curriculum.....	3	Ed. 468 History of Education .....	2
Ed. 600 Thesis .....	3 or 6	Ed. 476 School and Community .....	3
		Ed. 487 Group Processes and Leadership....	3

Ed. 508 Comparative Education .....	3
Ed. 562 Evaluation of the School Program .....	3
Ed. 576 Personnel Relations in Schools.....	3
Ed. 578 Instructional Aids: Administration .....	3
Ed. 583 Field Project in School Administration .....	1 - 15
Ed. 585 School Supervision .....	5
Ed. 586 School Building Maintenance.....	2
Ed. 589 School Building Planning .....	5
Ed. 590 Public School Finance .....	5
Ed. 599A Seminar in Educational Administration .....	3
Psch. 444 Test and Measurements.....	4
(c) Related Courses .....	9-10
Elect a minimum of 9 credits from educa- tion and psychology courses.	
(d) Background courses .....	5-6
Elect a minimum of 5 credits from among	

eligible courses in philosophy, history, political science, sociology, literature, or others dealing with Western culture.

45

NOTE: The M. Ed. degree does not necessarily qualify the student for the Provisional Principal's Credential. Applicants must meet the requirements for the credential as listed in the college catalog.

\*Whenever the best interests of the student may be served by making substitutions for courses listed in (b) the student may request the Dean of Graduate Studies to make such substitutions upon the approval of the student's adviser.

## ART EDUCATION

Prerequisite—undergraduate major, or equivalent, in Art. Evaluation of previous creative work approved by the Department of Art.

Required Courses	Credits		
Art 599 Seminar in Art Education.....	2	Art 456 Art of the Orient and Near East....	3
Art 348 Ancient and Medieval Art, or Art 448, Renaissance through Nine- teenth Century Art, or Art 451, Contemporary Art (if not previous- ly taken) .....	3	Art 457 African and Oceanic Art.....	2
Ed. 600 Thesis .....	3 or 6	following .....	16 - 20
The thesis may be the usual written type or take the form of original creative work of acceptable professional standard accompanied by a typewritten text, illus- trated and adequately discussing the crea- tive work.		Select through advisement from the	
Select one of the following from the history of Art .....	2 or 3	Painting—Art 360, 362, 460, 560	
Art 452 Art of the Americas .....	2	Drawing—Art 351, 450	
		Sculpture—Art 371, 372, 470	
		Crafts—I.A. 342, 344, 348, 349, 360, 362, 447, 462, 547, 562	
		Art Education—Art 325, 425, 430, 431, 432, 544	
		Individual Study—Art 496, 497, 498 (for any of the above fields)	
		A selection of the candidate's work shall be prepared and may be presented in public exhibition.	

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## AUDIOVISUAL INSTRUCTIONAL AIDS

Required Courses	Credits		
Ed. 316 Instructional Aids: Utilization .....	5	Ed. 555 Program of Curriculum Improvement .....	3
Ed. 450 Instructional Aids: Production .....	3	Ed. 577 In-Service Programs .....	3
Ed. 578 Instructional Aids: Administration .....	3	Ed. 579 Elementary School Principal.....	5
Ed. 600 Thesis .....	3 or 6	Ed. 580 Junior High School Principal.....	5
Select at least nine credits from the following courses .....	9	Ed. 589 School Building Planning .....	5
Ed. 417 Radio and Television in the Classroom .....	2	Ed. 590 Public School Finance .....	5
Ed. 451 Core Curriculum .....	3	Art 385 Silkscreen Printing .....	3
Ed. 487 Group Processes and Leadership—	3	I.A. 360 Advanced Photography .....	3
Ed. 551 Elementary School Curriculum.....	3	Lib. Sci. 360 Cataloging and Classification	4
Ed. 552 Senior High School Curriculum.....	3	Lib. Sci. 370 School Library Administration	3

23 or 26

## BIOLOGY

Prerequisite—undergraduate major in Biology.

Required Courses	Credits		
One course to be selected from the following: .....	4-5	Zool. 345 Ornithology .....	5
Bot. 464 Fresh-Water Algae .....	4	Zool. 361 Advanced Intervertebrate Zoology .....	5
		Zool. 445 Avifauna of Washington .....	4

Zool. 472 Natural History of the Vertebrates .....	5	Zool. 470 Advanced Physiology .....	5
Zool. 548 Experimental Embryology .....	5	Zool. 548 Experimental Embryology .....	5
One course to be selected from the following: .....	3-5	Bio. 470 Ecology .....	5
Bio. 370 Microbiology .....	5	Bio. 598 Biology Seminar .....	1
Bio. 565 Experimental Genetics .....	4	Bio. 599 Biology Seminar .....	1
Bio. 570 Cellular Physiology .....	5	Education 600 Thesis .....	3 or 6
Bot. 360 Plant Physiology .....	5	Select by advisement from the following to complete 30 credits in the field of specialization—300, 400, or 500 courses in Biology, Botany, and Zoology, Geology 347 or 449 (not both) .....	7-13
Bot. 460 Plant Pathology .....	3		
Bot. 463 Mycology .....	4		
Zool. 348 General Vertebrate Embryology..	5		
Zool. 380 Parasitology .....	5		
			30

## BUSINESS EDUCATION

Courses to be selected on the basis of individual needs and interests after consultation with the adviser and the Chairman of the Department of Business Education.

## CHEMISTRY

Prerequisite—undergraduate major in Chemistry.

The field of specialization will consist of 30 credits, including a 3 or 6 credit thesis, selected by advisement from Chemistry or related fields. The following courses will be required unless credit in these courses or their equivalents have been previously earned.

Chem. 350 Inorganic Chemistry .....	5	Chem. 381 Elements of Physical Chemistry....	5
Chem. 365 Biochemistry .....	5	Chem. 452 Instrumental Analysis .....	4

## CURRICULUM DIRECTOR

Required Courses	Credits	Ed. 434 Activities in the Secondary School .....	3
Ed. 487 Group Processes and Leadership...	3	Ed. 450 Instructional Materials—Production .....	3
Ed. 555 Program of Curriculum Improvement .....	3	Ed. 464 Community Youth Programs...	3
Ed. 562 Evaluation of the School Program	3	Ed. 476 School and Community .....	3
Ed. 585 School Supervision .....	5	Ed. 545 Directed Observation in a Core Class .....	4
Ed. 600 Thesis .....	3 or 6	Ed. 574 Adult Education .....	3
Elect at least one of the following: .....	3	Ed. 577 In-Service Programs .....	3
Ed. 451 Core Curriculum .....	3	Ed. 599C Seminar in Curriculum.....	2
Ed. 452 Junior High School Curriculum .....	3	Psch. 444 Tests and Measurements.....	4
Ed. 551 Elementary School Curriculum	3	Soc. 360 The Community .....	2
Ed. 552 Senior High School Curriculum .....	3		26 or 29
<b>Related Fields</b>			
Elect a minimum of six hours from the following .....	6		
Ed. 316 Instructional Materials—Utilization .....	5		
Ed. 358 Introduction to Guidance.....	3		
Ed. 362 Educational and Psychological Statistics .....	4		

NOTE: Whenever the best interests of the student's preparation may be served by a substitution the student may request the Dean of Graduate Studies to make such substitution upon the approval of the student's adviser.



## ENGLISH

Students who have had a major in English as undergraduates will be expected to strengthen their knowledge of the subject by taking courses in areas where they have had the least work.

Students who have had a minor in English as undergraduates will be expected first to meet the requirements of the undergraduate major. Then they should strengthen their knowledge of the subject by 20 to 30 additional hours of English, chosen with the help of the adviser (the Chairman of the Department of English or a faculty member designated by him).

Graduate students concentrating in English are also required to select two reading lists, one in a literary period and one in a genre or literary type, and to pass a written examination on both. This examination is given by the Department of English. Candidates should notify the Department of English of their intent to take the examination, six weeks prior to the time when they wish to be examined.

## FAMILY LIFE EDUCATION

Required Courses	Credits		Credits
Ed. 433 Family Life Education .....	3	Phil. 345 Ethics .....	5
Psych. 351 Youth and Marriage, or		Psych. 447 Psychology of Adolescence	3
Home Ec. 395 Family Relations .....	3	Home Ec. 381 Family Finance.....	4
Psych. 343 Psychology of Adjustment.....	5	Home Ec. 490 Nursery School.....	3
Education 600 Thesis .....	3 or 6	Home Ec. 495 Modern Problems of the Family .....	3
Select at least nine credits from the follow- ing courses so as to produce a balanced undergraduate and graduate program: .....	9	Bio. Sci. 365 Genetics* .....	4
Ed. 358 Introduction to Guidance.....	3	Bus. Ed. 375 Consumer Education.....	3
Ed. 440FL Family Life Education Workshop .....	3	Soc. 355 Culture and Personality.....	3
Ed. 596 Individual Study .....	1-6		23 or 26

\*Prerequisite, Bio. Sci. 102  
(May be taken concurrently)

## HEALTH AND SAFETY EDUCATION

Prerequisite—undergraduate major in Health and Physical Education or in Health and Safety Education.

Required Courses	Credits		Credits
P.E. 558 Methods of Research in Health and Physical Education .....	3	H. Ed. 525 Health Ed. in the Secondary Schools .....	3
H. Ed. 470 School and Community Health	3	H. Ed. 580 Administration and Super- vision of Health and Safety Education .....	3
H. Ed. 499 Seminar in Health and Safety Education .....	2	Ed. 440 Driver Education .....	1-6
Safety Ed. 437 General Safety Education....	3	Select one of the following courses.....	3-5
Ed. 600 Thesis .....	3 or 6	H. Ec. 395 Family Relations .....	3
Select one of the following courses: .....	3-5	Psych. 343 Psychology of Adjustment....	5
Bio. Sci. 360 Organic Evolution.....	3	Psych. 346 Social Psychology.....	4
Bio. Sci. 365 Genetics .....	3	Psych. 351 Youth and Marriage.....	3
Bio. Sci. 370 Microbiology .....	5	Ed. 433 Family Life Education .....	3
Zool. 470 Advanced Physiology .....	5	Remainder of the required twenty-four credits may be selected from any of the above courses or from others with the con- sent of the adviser.	
Select one of the following courses:			
H. Ed. 518 Health Ed. in the Elementary Schools .....	3		

## HISTORY

Prerequisite—undergraduate major in History.

Required Courses	Credits		Credits
History 501 Historiography .....	3	Hist. 463 American Diplomatic History: Pre 1900 .....	3
History 505 Research Seminar in History .....	3	Hist. 464 American Diplomatic History, Post 1900 .....	3
Education 600 Thesis .....	6	Hist. 471 Social and Cultural History of Europe .....	5
Guided Electives from the following: .....	18	Hist. 473 Russia to the Twentieth Century .....	3
		Hist. 474 Twentieth Century Russia.....	3
		Hist. 478 The British Empire and Commonwealth .....	3
		Hist. 480 The World Since 1945 .....	3
		Hist. 481 Understanding History .....	3
			30

NOTE: The student should divide his selection between those courses relating to the Eastern Hemisphere and those relating to the Western Hemisphere.

Hist. 383 Africa Since 1800, 5 credits, or  
 Hist. 385, Modern Asia, 5 credits.  
 (no more than one 300 course)  
 Hist. 455 Intellectual History of the United States .....

5

## HOME ECONOMICS

Prerequisite—Completion of undergraduate major in Home Economics Education.

Required Courses	Credits		Credits
Ed. 600 Thesis .....	3 or 6	Home Ec. 599 Seminar in Home Ec. Education .....	1-3
Home Economics courses, selected from the following with emphasis on one or two areas .....	14-17	Housing and Home Furnishings Home Ec. 536 Advanced Home Furnishings .....	3
Family Economics and Home Management		Home Ec. 575 History of Home Furnishings .....	3
Home Ec. 581 Advanced Family Finance .....	2	Textiles and Clothing Home Ec. 455 New Developments in Textiles .....	3
Family Relations and Child Development Home Ec. 590 Research in Family Relations .....	3	Home Ec. 550 Recent Developments in Clothing Construction .....	2
Home Ec. 595 Problems of Aging .....	2	Home Ec. 551 Social Implications of Clothing .....	2
Food and Nutrition Home Ec. 447 Nutrition and Society.....	3	Home Ec. 555 Original Design and Draping .....	5
Home Ec. 487 Experimental Foods II.....	2	Select with advisement, in supporting areas in social science, art, English, or science...	10
Home Ec. 587 Gourmet Cooking .....	3		27-30
Home Economics Education Home Ec. 520 Supervision in Vocational Home Ec. Education .....	2		
Home Ec. 521 Problems in Curriculum Development in Home Ec. Education .....	2	NOTE: Endorsement for vocational home economics certification is not accomplished through the master's degree unless the 66 hour board area major is also completed.	
Home Ec. 522 Survey of Literature in Home Ec. Demonstration .....	2		
Home Ec. 530 Demonstration Techniques .....	3		

## INDUSTRIAL ARTS

Prerequisite—undergraduate major in Industrial Arts.

Required Courses	Credits		Credits
Select three credits from the following .....	3	Select three credits from the following: .....	3
I.A. 374 Basic Electronics .....	3	I.A. 365 Engineering Drawing .....	3
I.A. 474 Intermediate Electronics .....	3	I.A. 466 Architectural Drawing .....	3
Select five credits from the following: .....	5	I.A. 599 Seminar in Industrial Arts.....	2
I.A. 455 General Metals II .....	5	Ed. 600 Thesis .....	3 or 6
I.A. 555 Advanced Studies in Metal Work .....	5	Select with advisement, additional courses in Industrial Arts .....	4-8
Select five credits from the following: .....	5		25-30
I.A. 450 Advanced Furniture Construction .....	5	NOTE: A minimum of 4 credits must be selected outside the field of Industrial Arts.	
I.A. 550 Advanced Studies in Woodworking .....	5		

## JUNIOR HIGH SCHOOL BROAD-AREA SPECIALIZATION

Candidates who wish to prepare for or improve their preparation for teaching in block-of-time, common learnings, core curriculum or other unified studies programs in junior high schools should elect this program.

Students who have completed the undergraduate Junior High School Broad-Area Major in Language Arts and Social Science or an equivalent preparation may be admitted to this program. Distribution of course work will be as follows:

- |  |   |
|--|---|
| <p>1. The Junior High School Area ..... 6<br/>                 At least six credits in advanced work dealing with junior high school curriculum, organization, methods and students. Such courses as Ed. 451, Ed. 452, Ed. 545, Ed. 599CC and Psych. 447 should be considered.</p> <p>2. The Language Arts and Social Science Areas .....24-27<br/>                 At least 24 credits in graduate or upper</p> | <p>division courses designed to strengthen the student's knowledge of the teaching areas in the junior high school block-of-time program. Candidates will be advised by a junior high school specialist and will take work in areas in which they have had the least work as undergraduates.</p> <p>3. Education 600 Thesis ..... 3-6</p> |
|--|---|

### MATHEMATICS

Required Courses	Credits	Ed. 600 Thesis	3 or 6
Math. 441 and 442 Introduction to Modern Algebra or approved substitutes.....	6	Select with advisement, from the following to complete 30 credits in the field of specialization—300, 400, 500 courses in Mathematics	6 or 9
Math 371 Intermediate Calculus and Math 471, Advanced Calculus, or approved substitutes .....	6		30
Math. 455 Foundations of Geometry, and Math 456, Projective Geometry, or approved substitutes .....	6		

### MASTER TEACHER

Designed for elementary classroom teachers.

Candidates in this area of specialization may qualify for positions as demonstration teachers, master teachers, school supervisors, and laboratory school teachers. A candidate must have completed the undergraduate minor in professionalized subjects or its equivalent. Students must complete a minimum of 23 hours including a thesis as follows:

	Credits	Select the balance of credits from these courses in methods and materials:.....	7-14
Select at least one course in curriculum from the following: .....	2-3	Art 325 Arts and Crafts, Primary.....	3
Ed. 470 Nongraded Elementary School	2	Art 425, Arts and Crafts, Intermediate	3
Ed. 551 Elementary School Curriculum	3	Art 430 Art in the Elementary School..	3
Ed. 555 Program of Curriculum Improvement .....	3	Ed. 421, Modern Reading Program, Primary .....	3
Select at least two courses in evaluation and guidance from the following: .....	4-7	Ed. 422, Modern Reading Program, Intermediate .....	3
Ed. 358 Introduction to Guidance .....	3	Ed. 427, Modern Arithmetic Program, Primary .....	3
Ed. 362 Educational and Psychological Statistics .....	4	Ed. 428 Modern Arithmetic Program, Intermediate and Upper Grades.....	3
Ed. 459 Teacher-Counseling .....	3	Ed. 438 Individualizing Instruction.....	2
Ed. 460 Parent-Teacher Conferences.....	2	Ed. 447 Classroom Teaching Problems..	3
Ed. 462 Construction and Use of Classroom Tests .....	2	Ed. 450 Instructional Aids: Production	3
Ed. 547* Supervision of Student Teachers .....	3	Eng. 320 Children's Literature .....	2
Ed. 562 Evaluation of the School Program .....	3	Music 323 Choral Music Education .....	3
Ed. 600 Thesis .....	3 or 6	Music 325 Instrumental Music Education .....	3
		Music 326 Music in the Classroom .....	3
		P. E. 332 Theory and Practice in Dance (Elem.) .....	3
		P.E. 334 Physical Education Activities for the Elementary School.....	3

\*Education 547 must be taken by laboratory school teachers. Master teachers who cooperate in student teaching programs should also take Education 547.

Sci. Ed. 322 Science Education in the Elementary School .....	3
Soc. Sci. 420 Methods and Materials in the Social Sciences—Elementary .....	2
Speech 320 Teaching Speech in the Elementary School .....	2

Speech 362 Practice in Creative Dramatics .....	2
Speech 446 Oral Reading of Children's Literature .....	3
	<hr/> 23

## MUSIC

Required Courses	Credits		Credits
Music 490 Harmonic Analysis .....	3	Music 483 Composition .....	3
Music 482 Instrumental Administration Techniques, or		Music 484 Band Arranging .....	3
Music 491 Choral Interpretation and Techniques .....	3	Music 492 Choral Composition and Arranging .....	3
Music 590 Supervision of Public School Music .....	3	Music 493 Techniques of Music Analysis .....	3
Music 364, 464 or 564A, B, C, D, E, F, or G, Applied Music .....	3	Music 494 Elements of Music .....	3
Ed. 600 Thesis (may be recital or composition, with covering paper).....	3 or 6	Select three hours from the field of Music Education .....	3
Select three hours from the field of Music History and Literature .....	3	Music 418 Piano Pedagogy .....	1
Music 450 Literature of Bach .....	3	Music 423 Rhythm for the Elementary School .....	3
Music 452 Literature of Beethoven.....	3	Music 424 General Music in the Junior High School .....	2
Music 458 Survey of Vocal Solo Literature .....	3	Music 425A, B, C, D, E, or G Methods of Teaching Individual Lessons	1
Music 471 History of Orchestral Music..	3	Music 440 Workshops .....	1-6
Music 473 History of Opera .....	3	Music 480 Double Reed Making .....	1
Music 475 History of Chamber Music....	3	Music 481 Instrument Repair .....	1
Music 476 History of Choral Music.....	3	Music 485 The Marching Band .....	3
Select three hours from the field of Theory..	3	Music 499 Seminar in Music Education	1-4
Music 441 Keyboard Harmony and Improvisation .....	3	Music 541 Conducting III—Choral.....	3
Music 443 Counterpoint II .....	3	Music 554D, E Advanced Technique Class, Woodwind and Brass .....	1
Music 444 Canon and Fugue .....	3	Music 560 Psychology and Guidance in Music Education .....	3
Music 445 Modern Counterpoint .....	3	Music 562 Trends in Music Education...	3
Music 472 Orchestration .....	3	Music 596 Individual Study .....	1-6
Music 474 Modern Literature Analysis	3		<hr/> 24-27

## PHYSICAL EDUCATION

Prerequisite—Undergraduate major in Health and Physical Education or major in Physical Education.

Required Courses	Credits		Credits
P.E. 470 Trends in Modern Physical Education .....	3	Select one of the following: .....	1-6
P.E. 558 Methods of Research in Health and Physical Education .....	3	Ed. 440CCC Camping for Crippled Children Workshop .....	1-6
P.E. 599 Seminar—Philosophy and Literature in Physical Education .....	3	Rec. 460 The School Recreation Program	2
Ed. 600 Thesis .....	3 or 6	Rec. 571 Modern Trends in Outdoor Education .....	3
Select one of the following: .....	3	P.E. 471 Philosophy of Elementary School Physical Education .....	3
P.E. 444 Management of Equipment.....	3	P.E. 561 Dance in Education .....	3
P.E. 445 Physical Education Facilities....	3	Remainder of the required twenty-four credits may be selected from any of the above courses or from others with the consent of the adviser.	
P.E. 466 Supervision and Evaluation of Program Planning .....	3		<hr/> 24
P.E. 581 Advanced Administration of Physical Education in High School and Colleges .....	3		

## READING SPECIALIST

**PREREQUISITES** — The following courses should be taken prior to enrollment in the specialization courses and may not be counted as part of the required credits in the field of Specialization:

Education 322 Teaching of Reading Education 420 Teaching the Language Arts One of the following: English 320 Children's Literature, or English ..... Pre-Adolescent and Adolescent Literature Required Courses:	Education 424 Reading in Content Fields 3 4. Education 338 Remedial Reading ..... 3 5. Psychology 420 Psychology of Reading 5 6. Education 426 Studies and Problems in Reading ..... 3 7. Education 600 Thesis ..... 3 or 6 Complete a minimum of 28 credits in the field of specialization. Selection may be made from the following or from any course not already taken in 1, 2 and 3 above. English 340 Introduction to Linguistics 5 *Education 585 School Supervision ..... 5 *Recommended if candidate plans to become a Reading Supervisor.																				
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="text-align: right; width: 20%;">Credits</th> </tr> </thead> <tbody> <tr> <td>1. One of the following:</td> <td></td> </tr> <tr> <td style="padding-left: 20px;">Education 321 Reading Readiness .....</td> <td style="text-align: right;">2</td> </tr> <tr> <td style="padding-left: 20px;">Education 421 Modern Reading Program, Primary .....</td> <td style="text-align: right;">3</td> </tr> <tr> <td style="padding-left: 20px;">Education 442, Modern Reading Program, Intermediate .....</td> <td style="text-align: right;">3</td> </tr> <tr> <td>2. One of the following:</td> <td></td> </tr> <tr> <td style="padding-left: 20px;">Education 416 Programed Learning .....</td> <td style="text-align: right;">3</td> </tr> <tr> <td style="padding-left: 20px;">Education 438 Individualizing Instruction</td> <td style="text-align: right;">2</td> </tr> <tr> <td>3. One of the following:</td> <td></td> </tr> <tr> <td style="padding-left: 20px;">Education 423. Reading Problems in the Secondary School .....</td> <td style="text-align: right;">3</td> </tr> </tbody> </table>		Credits	1. One of the following:		Education 321 Reading Readiness .....	2	Education 421 Modern Reading Program, Primary .....	3	Education 442, Modern Reading Program, Intermediate .....	3	2. One of the following:		Education 416 Programed Learning .....	3	Education 438 Individualizing Instruction	2	3. One of the following:		Education 423. Reading Problems in the Secondary School .....	3	
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## SCIENCE

Prerequisite—completion of courses specified in the Science major.

Course Requirements—30 credits in science courses and thesis to be selected by advisement of the student's committee and from not more than two of the following areas: Chemistry, Physics, Biology, and Geology. (A minimum g.p.a. of 2.75 must be maintained in all science work applicable to the master's degree and a satisfactory examination on course work must be written.)

## SCHOOL COUNSELING

It is recommended that the candidate for the Master of Education Degree in School Counseling have an undergraduate major in psychology and a minor in one of the following areas: Philosophy, Economics, Sociology, Anthropology, or Political Science. The applicant with little or no work in these areas must support his graduate program with appropriate electives.

A valid Washington teaching certificate is a requirement for employment as a counselor in the schools of Washington. In every instance acceptance of a candidate is subject to approval by personnel from the Division of Education as authorized by the Chairman of that Division.

A two-year graduate training program has been developed for school counselors consistent with the policy statement of the American Personnel and Guidance Association and the Association of Counselor Educators and Supervisors. In order to receive *full* recommendation as a School Counselor the graduate student must complete ninety hours of appropriate course work.

Every M. Ed. candidate in School Counseling is required to complete the following:		Education 559 Practicum in School Counseling ..... (15 total)	10
The three Graduate Professional Education Courses .....	9	Electives from the following: .....	12
Education 487 Group Processes and Leadership .....	3		45
Education 467 Philosophy of Education.....	3	Math. 150 Computer Mathematics .....	3
Psychology 444 Tests and Measurements.....	4	(Recommended undergraduate elective)	
Psychology 453 Theories of Personality.....	5	Pol Sci. 345 Government, Science, and Technology .....	2
Ed./Psych. 471 Vocational Development Theory .....	3	Sociology 346 Crime and Delinquency in the U.S. ....	5
Psychology 560 Theory and Practice of Counseling .....	5	Sociology 355 Culture and Personality .....	3
Education 559 Practicum in School Counseling ..... (15 total)	5	Economics 354 Economics of the State of Washington .....	3
Education 600 Thesis .....	6	Anthropology 370 Cultural Anthropology ....	3
Elect from courses listed below .....	2	Philosophy 354 Ethics .....	5
	45	Psychology 445 Clinical and Counseling Psychology .....	5
The additional 45 credits needed for full recommendation are to be taken from the following 33 <b>required hours</b> plus 12 from the Elective list:		Psychology 450, 451, 452 Experimental Psychology of Perception, Motivation, or Learning .....	4-12
<b>Required for Second Graduate Year:</b>		Psychology 458 Clerkship in Psychology .....	2
Psychology 449 Abnormal Psychology .....	4	Psychology 460 Counseling Parents of Exceptional Children .....	3
Psychology 457 Psychology of Exceptional Children .....	3	Psychology 467 Maladjusted Children .....	3
Psychology 562 Theories of Learning .....	5	Psychology 469 Advanced Psychological and Educational Statistics .....	4
Psychology 564 Individual Testing: Child.....	5	Ed./Psych. 488 Advanced Group Processes....	3
or		Psychology 499 Seminar in Psychology .....	1-16
Psychology 565 Individual Testing: Adolescent and Adult .....	5	Psychology 564 Individual Testing: Child.....	5
Psychology 561 Group Counseling and Guidance .....	3	Psychology 565 Individual Testing: Adolescent and Adult .....	5
Psychology 599.4 Seminar in Counseling (Research Implications and Counselor Feelings) .....	2	Psychology 568 Experimental Design I .....	3
Psychology 599.5 Seminar in Counseling Practices (Behavioral Description)..	1	Psychology 569 Experimental Design II .....	3

## SCHOOL PSYCHOLOGY

The new State Board of Education standards for school psychologists require 15 or more credits of professional education courses including (1) directed laboratory experience, (2) education of exceptional children, (3) organization of school system facilities and their relation to community facilities, (4) Washington State History and State Manual. These requirements make it possible for the College to recommend for school psychologists' positions those who have special training in this field but who do not have full teacher certification. This program also can be completed as a part of the teacher education program.

A provisional school psychologist's certificate may be granted when all course work Excepting Education 600, Thesis, has been completed. Upon completion of two years successful experience as a school psychologist, the candidate may secure a standard certificate by fulfilling all of the requirements of the provisional certificate, including the master's degree.

The candidate for the master's degree with specialization in school psychology must have completed the major in psychology or the equivalent courses (Psychology 100, 309, 310, 343, 356, 350 or 447 and 461, Education 358, 362) prior to, or concurrently with, courses required to complete the master's degree requirements.

	Credits
Ed. 507 Introduction to Graduate Study .....	3
Ed. 570 Educational Foundations .....	3
Psych. 444 Tests and Measurements .....	4
Psych. 449 Abnormal Psychology, or .....	4
Psych. 457 Psychology of Exceptional Children .....	3
Psych. 453 Theories of Personality .....	5
Psych. 459 Theory and Practice of Counseling .....	3
Psych. 464 Mental Testing: Individual Child	5
Psych. 465 Mental Testing: Individual Adolescent and Adult .....	5
Psych. 466 Personality Assessment.....	5
Psych. 552 Human Growth and Development: Advanced (opt.).....	3

Ed. 487 Group Leadership and Group Processes .....	3
Psych. 599C Seminar in Counseling .....	2
Ed. 463 Diagnostic Techniques and Special Measurements .....	3
Psych. 559 Practicum in School Psychology..	15
Psych. 562 Theories of Learning .....	5
Psych. 598.1, 598.2, 598.3, Seminar in School Psychology (1 credit each quarter)	3
Ed. 600 Thesis .....	6
(At least 45 quarter hours must be taken during graduate study.)	

## SOCIAL SCIENCE

Required Courses—30 credits in Social Sciences are required and will include credits for the thesis and electives in Social Sciences. (At least 15 hours must be in a field other than the undergraduate major. For students with a broad Social Science major, undergraduate, at least 20 hours must be taken in one field.)

## SPECIAL EDUCATION

Prerequisite: Undergraduate minor in Special Education or consent of Division Chairman.

Required Courses	Credit		3
Psych. 343 Psychology of Adjustment.....	5	Speech 379 Speech Pathology .....	3
Psych. 467 Maladjusted Children .....	3	Ed. 414 Education of the Mentally Retarded Child .....	5
Ed. 600 Thesis .....	3 or 6	Ed. 440CCH Crippled Children Workshop .....	4
Select with advisement, 7 to 10 credits from the following: .....	7-10		21-24
Psych. 457 Psychology of Exceptional Children .....	3		
Speech 378 Principles of Speech Correction .....	5		

## SPEECH

Courses to be selected after consultation with the adviser and the Chairman of the Department of Speech.

## TEACHER LIBRARIAN

Required Courses	Credits		2
Lib. Sci. 350 Selection of School Library Materials .....	3	Lib. Sci. 485 Research and Bibliography.....	2
Lib. Sci. 360 Cataloging and Classification	4	Ed. 600 Thesis .....	3 or 6
Lib. Sci. 390 Historical Survey of Books and Libraries .....	2	Specialists in this field frequently find it de- sirable to include Education 316, Instruc- tional Aids: Classroom Utilization, as an elective.	20
Lib. Sci. 470 School Library Administration	3		

# Master Of Arts And Master Of Science Degree Programs General Regulations

## Admission

Admission to the Master's degree program will be based in part upon attainment of certain scholastic levels:

- a. For students with a grade point average of 3.00 or above for their undergraduate degree, or for the final two years of their undergraduate program, no waiting period.
- b. The student who does not meet the above requirements may take a quarter of approved graduate work (a minimum of 12 credits) and after achieving a 3.00 g.p.a. or better, may petition his major department for recommendation for admission to the graduate program. This work may count toward the degree.

Further requirements for admission to the program will include:

- a. Satisfactory performance on tests of general ability.
- b. Approval of a course of study.

## Residence

A minimum of three quarters in residence will be required, two of which must be at Central Washington State College. Some departments may require two consecutive quarters.

A quarter of residence is defined as the completion of a minimum of twelve credits of regularly scheduled work during the regular quarter or full summer session. Lesser amounts shall be counted according to their proportion of the minimum load of twelve credits. Regardless of the number of credits earned during one term of the summer session, not more than one-half quarter of residence may be counted.

## Credits Required

Candidate must complete 45 credits in the 300, 400, 500 and 600 groups. Not less than 27 credits must be in the 400, 500, and 600 groups and a minimum of 15, excluding thesis, must be at the 500 level.

## Thesis Requirement

Each candidate shall satisfy the six-credit thesis requirement. Requirements for study may vary among departments and departmental regulations should be noted. The thesis shall demonstrate the student's ability to do individual study and to report in writing.



The thesis must conform to standards of typing theses approved by the Graduate Study Committee. Three (3) copies of the completed thesis must be deposited with the Dean of Graduate Studies and the necessary binding fees paid by the student. After binding, two copies remain in the library and one copy is delivered to the student.

### **Correspondence and Extension Courses**

Credits earned by correspondence or extension shall not apply toward the M.A. degree or the M.S. degree.

### **Maximum Time Limit**

No credit earned more than six (6) years before the date of the degree award may be counted as part of the 45-credit requirement except as may be approved by formal action of the Graduate Study Committee.

### **Transfer**

A maximum of fifteen quarter credits of approved courses may be transferred from other institutions which offer graduate degrees.

### **Individual Programs**

The graduate programs for individual students are arranged by departmental advisers and the graduate student and approved by the Dean of Graduate Studies.

### **Scholarship Standards**

Persons earning the Master's degree must maintain a grade point average of 3.0 or above for all graduate work. Although no credits will be accepted for courses in which a grade of less than "C" is earned, such grades will be used in calculating grade point average.

### **Academic Load**

Normal graduate load shall not exceed 15 credits.

(NOTE: Any exceptions must be approved by the chairman of the major department.)

# **Master Of Science Degree In Psychology**

## **Purpose of the Program**

The Master of Science Degree in Psychology has as its goals (1) to provide a thorough advanced study of theoretical positions, issues, and empirical findings in the major areas of psychology; and (2) to provide thorough training in experimentation and research techniques. This will emphasize development of skills needed to design and conduct independent research studies and the ability to analyze, synthesize, and evaluate research findings.

Attainment of the foregoing may act as training for (1) doctoral study in psychology; (2) Junior College and College teaching of psychology; (3) research positions in industry, government, etc.; (4) students entering or already in the field of applied psychology in the design and conduct of research studies in their field of specialization—e.g., school systems, clinics, etc., and in addition will provide an on-going atmosphere of inquiry and discovery to retain, attract, and stimulate staff members and students.

### Admission to the Program

Regular admittance to candidacy for the M.S. degree in Psychology requires completion of an undergraduate degree in psychology or approval by the department. For approval, the background must include one course in Statistics, one course in Experimental Psychology and one one course in History and Systems of Psychology. Without the equivalent of an undergraduate major in Psychology, admittance to the program will be provisional. Grade point average required for admission is that required by the Graduate Study Committee for all disciplines.

### Description of the Program

At least 45 quarter hours of credit are required with the following course requirements:

Psychology 568-569, Experimental Design (3 credits each) .....	6
Psychology 562, Theories of Learning .....	5
Psychology 590.1, 590.2, and 590.3. Current Issues in Psychology (select two of three) .....	6
Philosophy 480, Philosophy of Science .....	5
One course from the following:	
Psy. 552, Human Growth and Development: Advanced....	3
Psy. 463, Theories of Personality .....	5
Psy. 441, Psychology of Thinking and Language .....	5
Psy. 468, Physiological Psychology .....	5
Electives from 400 and 500 level supporting courses selected with adviser .....	12 to 14
Psychology 600, Thesis .....	6
	45

A final oral examination is required of each candidate. At this time he must defend his thesis research and is subject to questioning over his fields of study.

Every M.S. candidate in psychology must present a satisfactory thesis prospectus to his chairman and committee, conduct appropriate research, and write up the research according to graduate school requirements and the American Psychological Association Publication Manual. At the time of the final oral examination and thesis defense the candidate will also present an abstract appropriate for presentation to a professional meeting or journal.

All candidates will be encouraged to increase their proficiency in one or more foreign languages (desirably initiated at the undergraduate level) or to initiate such study. No proficiency examination or course credit in foreign language will be required for the M.S. Degree in Psychology.

## Other Programs

Master of Arts in Art—Program being developed.

Master of Science in Biology—Program being developed.

Master of Science in Chemistry—Program being developed.

Master of Arts in English—Program being developed.

Master of Arts in Music—Program being developed.

Write to Dean of Graduate Studies for further information on these five programs.

CENTRAL WASHINGTON STATE COLLEGE  
ELLENSBURG

APPLICATION FOR ADMISSION

to

Master's Degree Program

Name.....Date.....

Permanent Address.....  
Street or Box Number City State

Date and Place of Birth.....

Colleges or Universities Attended Dates Degrees

Undergraduate Preparation: Major..... Minor(s).....

NOTE: I have requested the institution granting Baccalaureate degree and the colleges attended subsequently to send transcripts of credits earned to the Office of the Registrar and to the Dean of Graduate Studies. Yes..... No.....

Are you requesting credit for graduate courses taken in the above institutions?

Yes..... No..... (Please see catalog or graduate bulletin for regulations) :

Professional Experience:

Place Dates Position Name of Supervisor

Degree and Field of Specialization to be undertaken at C.W.S.C.....

Student's Nomination for Committee Chairman.....

.....  
Signature of Applicant

DO NOT WRITE BELOW THIS LINE

Action on application by Graduate Committee..... Date.....

Signature of Dean of Graduate Studies.....

MAIL TO DEAN OF GRADUATE STUDIES