

# College of Education

Larry B. Harris, Ph.D., Dean  
Stephanie Salzman, Ph.D., Associate Dean  
T.C. Mattocks, Ed.D., Assistant Dean

The College of Education prepares students who are interested in the profession of teaching and who are seeking a comprehensive understanding of the complex processes associated with learning and teaching. Students pursuing teaching or administrative careers in schools, agencies, or the corporate world will find an assortment of integrated programs organized to meet their professional aspirations. All programs of the College are experiential, collaborative, problem centered, standards based, research guided, and technologically supported. The College is organized in the Division of Teacher Education and departments of Educational Leadership, Human Resource Training and Development, and Sport Sciences, Physical Education and Dance.

## Accreditations

The professional degrees offered by the College of Education comply with State of Idaho and the National Association of State Directors of Teacher Education and Certification (NASDTEC) standards for certification and licensure and with reciprocity standards of many other states.

The College of Education is fully accredited by the National Council for the Accreditation of Teacher Education (NCATE). The preschool laboratory is accredited by the National Academy of Early Childhood Programs. The Bachelor of Music Education is accredited by the National Association of Schools of Music in the Department of Music, which is in the College of Arts and Sciences. The School Psychology program is accredited by the National Association of School Psychologists.

The College of Education shares responsibility with the College of Arts and Sciences and the College of Health Professions for many of the secondary level teacher education degrees.

## Organization of the College of Education

To facilitate student access to advising and other academic support services, the College of Education is organized into one division and three departments.

## Division of Teacher Education

Alan Frantz, Ph.D., Director

Professors: Coffland, Daley, Denner, Gates, Harris, Myers, Pehrsson, Sagness, Salzman, Spadafore, Stenson, A. Strickland, Yates  
Associate Professors: Hedeem, Jenkins, Klug, Nunn, Pearson, Peña, Wilkins  
Assistant Professors: Bliss, Luckey, Miller, Moore, Newsome  
Instructors: Birdsong, Farmer, Jones, J. Strickland, Warwick

The Division of Teacher Education is comprised of the following undergraduate programs:

- 1) Child and Family Studies
- 2) Literacy Education/Library Science
- 3) Math, Science & Technology Education
- 4) School Psychology
- 5) Social Science Education/Foundations
- 6) Special Education

## Department of Educational Leadership

E. E. "Gene" Davis, Ed. D., Chair  
Professor: Davis  
Associate Professor: Mattocks  
Assistant Professors: Creighton, Thornton

## Department of Human Resource Training and Development

John Bobell, Ed. D., Chair  
Professors: Bobell, Croker, Johnson, Rankin  
Associate Professor: Humphrey

## Department of Sport Sciences, Physical Education and Dance

Mike Lester, Ed. D., Interim Chair  
Professor: Lloyd  
Assistant Professor: Lester  
Assistant Professors: Noakes  
Instructor: Chilson

## Degrees Offered

**Undergraduate** degrees offered within the College of Education are the Bachelor of Arts in Early Childhood Education; Bachelor of Arts and Bachelor of Science in Elementary Education; Bachelor of Arts and Bachelor of Science in Child and Family Studies (Home Economics); Bachelor of Arts and Bachelor of Science in Secondary Education; Bachelor of Arts and Bachelor of Science in Human Exceptionality; Bachelor of Music Education; Bachelor of Arts and Bachelor of Science in Physical Education; Bachelor of Science in Vocational Teacher Education; and Bachelor of Science in Corporate Training.

**Graduate** degrees include Master of Education, Master of Physical Education, Educational Specialist, and Doctor of Educational Leadership.

Programs at the master's level include early childhood special education, school psychological examiner, special education, curriculum and instruction, instructional technology, literacy, educational administration, Child and Family Studies (home economics), occupational training management, and physical education.

A **sixth year certificate** is offered in educational administration.

A **planned fifth-year option** is available in teacher education.

**Sixth year specialist degrees** (Ed.S.) are offered in special education, school psychology, and educational administration.

A **Doctor of Education** (Ed.D.) degree is offered in Educational Leadership with concentration areas in Educational Administration, Educational Technology, Educational Training and Development, and Higher Education Administration.

Please consult the **Idaho State University Graduate Bulletin** for further information on advanced degrees.

## Office of Clinical Experiences and Student Services

Richard Sagness, Ph.D., Director

The Office of Clinical Experiences and Students Services supports student teaching and other clinical experiences, and assists students with academic service needs. Services include admission to teacher education, undergraduate advisor assignments,

transfer student course evaluations, petitions, academic appeals, and certification recommendations. Applications for clinical placements are processed and placements are made through this office.

### General Education Requirements

All students who have declared a major in the College of Education and plan to acquire a Bachelor of Arts degree must complete all goals of the university general education requirements; i.e., Goals 1, 2, 3, 4, 5, 6, 7, 8, 9, 10A or 10B, 11, and 12. Students pursuing a Bachelor of Music Education degree must complete Goals 1, 2, 3, 4, 5, 6, 7, 8, 9, 10A or 10B, 11, and 12. Students pursuing a Bachelor of Science degree must complete Goals 1, 2, 3, 4, 5, two of Goals 6, 7, and 8; and three of Goals 9, 10A or 10B, 11 and 12. A checklist available in the College of Education main office provides goal selection guidance for students in the elementary and early childhood education programs.

Students transferring to Idaho State University from a junior college that is part of the statewide articulation agreement should refer to the section entitled "Statewide Articulation and Associate Degree Policy" in the General Information section of this catalogue to determine fulfillment of the university general education requirements; however, all students who plan to enter teacher education and who plan to student teach must fulfill, or have fulfilled, Goals 1 and 2.

Students who possess a bachelor's degree in a discipline other than education and desire to complete requirements for a teaching certificate in any area, must complete, or have completed, Goals 1 and 2 or their equivalents.

Specific general education requirements unique to individual programs in the College of Education are listed with the program in this section of the catalogue.

### Declaration of Major

When a student has completed a minimum of 24 semester credits of coursework, application should be made to the Office of Clinical Experiences and Student Services in the College of Education for admission to status as a declared major. Declaration of major must be accomplished by the time a student has completed 56 credits of coursework.

### Advising System

Advisors are appointed for each student who applies for admission to teacher education or files an intent to become a

declared major in the College of Education. Advisors are assigned by the Office of Clinical Experiences and Student Services. The Director of Teacher Education is also available for consultation.

### Reasonable Accommodation for Students with Disabilities:

If you have a diagnosed disability or believe that you have a disability that might require "reasonable accommodation" on the part of the instructor, please call the Director of the ADA and Disabilities Resource Center (236-3599). As a part of the Americans with Disabilities Act, it is the responsibility of the student to disclose a disability prior to requesting reasonable accommodation.

### Petitions

Petitions from students concerning College of Education and/or teacher education requirements are initiated with the advisor on forms which are available in the Office of Clinical Experiences and Student Services. The advisor will review the petition for form and content and provide a recommendation. The student next seeks the signature and recommendation of his/her Director or Department Chair, then files it with the Director of Clinical Experiences and Student Services for review and/or action. Petitions concerning general education requirements of the university must also have the signature of the Assistant Dean, College of Arts and Sciences.

### Certification Procedures

Students who successfully complete the teacher education program at Idaho State University are eligible to receive the Idaho State University recommendation for the Standard Elementary certificate, the Standard Secondary certificate, or the Standard Exceptional Child certificate. Students who anticipate teaching (certifying) in a state other than Idaho are advised to consult with the Office of Clinical Experiences and Student Services in the College of Education as to reciprocity agreement and possible additional requirements related to the states in question.

The student will initiate the certification process by obtaining an application for certification from the Office of Clinical Experiences and Student Services. The application must be completed by the student and returned with the transcript order and check or money order for the certificate attached. After the end of the semester, the necessary paperwork will be processed and signed by the Director of Clinical Experiences and

Student Services and forwarded to the State Department of Education Certification Office. The College of Education maintains a record of all individuals recommended for certification. The Director of Clinical Experiences and Student Services is the official certification officer for the College of Education; all requests for certification must be processed and signed by the certification officer before the papers can be processed by any state Office of Certification.

## Idaho State Board of Education and Idaho State University College of Education Policy on Technology Assessment

Consistent with the Idaho State Board of Education Rule on technology assessment, effective September 1, 1999, all graduates from the ISU College of Education recommended for initial Idaho certification (kindergarten through grade 12) must demonstrate technology competency by passing the Idaho Technology Portfolio Assessment.

Students must use one of the following options for completing the Idaho Technology Portfolio Assessment:

1. Completion of the portfolio in conjunction with EDUC 311, OR
2. Completion of the portfolio independently using the guidelines for Preparation of the Idaho Technology Portfolio.

Further information on meeting this requirement may be obtained from the Office of the Associate Dean in the College of Education.

## Office of Professional Development for Schools

E. E. "Gene" Davis, Ed.D., Director, OPDS

Susan Jenkins, Ph.D., Director, Center for Economic Education

The Office of Professional Development for Schools (OPDS) coordinates professional education programs and coursework, agency/school development, business and community partnerships, and research with its related services.

These functions will be performed in cooperation with the following agencies within this office:

- Center for Economic Education
- League of Schools
- Magic Valley Partnership
- Region VI Partnership
- Collaborative partnerships with schools and businesses

# Teacher Education Program

Idaho State University has an institutional commitment to the preparation of teachers. This commitment is carried out by the faculties of the College of Education and the College of Arts and Sciences, working in close cooperation through the Teacher Education Committee. This committee represents the subject and professional aspects of teacher education and is a sub-committee of the Curriculum Council of the university.

The objectives of the Idaho State University Teacher Education Program are designed to insure that graduates in teacher education meet the following Core Standards for Beginning Teachers:

- **Subject Matter Knowledge**

*The teacher understands the central processes of inquiry of the subject matter he or she teaches and creates learning experiences that make subject matter meaningful to students.*

- **Professional Standards and Research**

*The teacher uses alternative theoretical perspectives and research to guide instructional decision-making and reflection on practice.*

- **Student Individual Differences**

*The teacher uses knowledge about student individual differences to plan, deliver, and analyze instruction.*

- **Planning for Instruction**

*The teacher plans meaningful learning experiences that promote student achievement and active involvement in learning.*

- **Instructional Delivery**

*The teacher uses a variety of instructional strategies to promote student*

*achievement and active engagement in learning.*

- **Assessment**

*The teacher uses a variety of formal and informal assessments to evaluate learning and teaching.*

- **Management of the Learning Environment**

*The teacher creates and maintains a safe and effective learning environment.*

- **Technology**

*The teacher uses technology in the planning, delivery, analysis, and assessment of learning and instruction.*

- **Literacy/Communication**

*The teacher supports and expands student literacy skills and models effective communication.*

- **School-to-Work Transition**

*The teacher understands the central philosophical principles and processes of the school-to-work concept and creates learning experiences that enable student career awareness, exploration, and decision-making.*

- **Family, School, and Community Relationships and Resources**

*The teacher fosters relationships with the family, school, and community to support student learning and well-being.*

- **Personal Characteristics and Interpersonal Skills**

*The teacher displays beliefs, values, and behaviors that guide the ethical dimensions of professional practice.*

Fulfilling the general requirements of teacher education gives the candidate for teaching a well-rounded education. Choice of a subject major and a subject minor provides the teaching background specialization for the secondary school teacher. Certain subject field requirements provide for the specialization needed by elementary school teachers. This general and specialized education is fulfilled via courses taken by the teacher education student in the College of Arts and Sciences and College of Health Professions. Professional education is provided through a broad foundation in the principles and practices of teaching with particular attention being given to educational philosophy, educational psychology, child growth and development, child guidance, and

evaluation. Transition from preparation for teaching to actually becoming a teacher is provided during the internship period under competent and experienced teachers in area school districts.

Review procedures have been established for admission and retention of students in teacher education. These procedures also call for a review of each individual prior to a recommendation for certification. Copies of these standards and procedures are available from the Idaho State Department of Education and can be obtained from the Associate Dean of the College of Education.

**Because of the responsibility of a member of the teaching profession to the total development of young people, and notwithstanding a student's enrollment in or graduation from the College of Education, the Dean and the faculty of the College of Education reserve the right to refuse to recommend a student for a standard teaching certificate, or to admit a student to a teaching program, if such recommendation or assignment, in the discretion of the Dean and faculty of the College of Education, would appear to be contrary to or in violation of Sections 33-1202 and/or 33-1208, Idaho Code.**

## Full Admission to Teacher Education Program

Students must make formal application and complete an interview for admission to the Teacher Education Program. Application for admission and the scheduling of the admission interview are completed through forms available in the main office of the College of Education. Standards for admission are approved and implemented by the Teacher Education Committee, a committee representing all Idaho State University teacher education programs.

Students in teacher education are under the same general probationary policy as the rest of Idaho State University as far as probation and dismissal from the institution are concerned. However, to obtain recommendation for admission to teacher education and to remain in the program, certain broader criteria apply in respect to the applicant's general fitness for the teaching profession. These include (1) ability to work with and to understand children; (2) proficiency in citizenship and leadership qualities; (3) proficiency in English and other academic and professional subject matter; and (4) adequate mental and physical health. Students with deficiencies in scholarship or in any of the criteria may be withdrawn from the program.

Application for admission to teacher education is made on forms provided in the administrative offices of the College of Education following the completion of at least 24 credits hours of college work. Students may not register for core courses numbered 300 and above until full admittance to teacher education is achieved. Students who have been denied admittance to teacher education may reapply when deficiencies have been met. Criteria for admission include the following:

1. A 2.75 overall grade point average including all transfer credits or credits earned in a previous degree program.
2. A grade of "B" or higher in at least two of the following areas with a grade of no lower than "C" in any of the three areas:
  - ENGL 101 (English Composition) or College of Education approved equivalent.
  - COMM 101 (Principles of Speech) or College of Education approved equivalent.
  - MATH: Any of the following, or College of Education approved equivalent:
    - 123 (Mathematics in Modern Society), or
    - 127 (Language of Math), or
    - 130 (Finite Math), or
    - 157 (Structure of Arithmetic for Elementary School Teachers), or
    - 160 (Brief Calculus), or
    - 170 (Calculus I), or
    - 253 (Introduction to Statistics)
3. A grade of "C" or higher in CIS 101 or College of Education approved equivalent.
4. Presentation of minimum scores achieved on the Pre-Professional Skills Test (PPST): Reading = 172; Writing = 174; Mathematics = 169.
5. Submission of Professional Portfolio entries completed as course requirements for EDUC 201.
6. Letter of recommendation from major advisor.
7. Submission of signed form indicating awareness of Idaho teacher certification requirements.
8. Successful completion of the Teacher Education Program Admission Interview.

## Denial of Admission to Teacher Education

Students who have been denied admission to teacher education may reapply; however, they must meet the standards for admission in place at the time of their reapplication to attain full admission.

## Senior Practicum/ Student Teaching

Richard L. Sagness, Ph.D., Director,  
Office of Clinical Experiences and  
Student Services

The senior practicum, or student teaching, is designed to be the culminating professional laboratory experience for students in teacher education. This is a professional development experience during which the student or associate teacher reconstructs and tests theory, applies it, and further develops a personal teaching style. It provides an opportunity for the associate teacher to assume major responsibility for the full range of teaching in an approved school situation under the guidance of qualified personnel from Idaho State University and the cooperating elementary and secondary schools.

Student teaching is scheduled for a full semester; students should not plan to enroll in any additional coursework during the student teaching semester.

### Admission to Student Teaching

Application for student teaching must be filed and an interview completed with the Director of the Office of Clinical Experiences and Student Services between October 1 and November 15 for fall semester of the following year, and between February 1 and March 15 for spring semester of the following year. There is a \$50 charge for late applications and interviews, a \$25 charge for change of placement, and a \$25 charge for reapplication. Applications for all student teaching may be obtained from the Office of Clinical Experiences and Student Services in the administrative offices of the College of Education.

The application must be signed by the advisor(s) and the Director of the Office of Clinical Experiences and Student Services.

### Eligibility Criteria

No student will be permitted to enter student teaching courses (EDUC 492, 494, 495, 496, H E 495, P E 495, LIBR 495, SPED 495, CFS 493 or 495) until the following are completed or achieved:

1. Completion of all requirements unless specifically approved by petition.
2. Completion of at least 67% of the professional education core credits from Idaho State University.
3. A 2.75 grade point average overall including all transfer credits or credits earned in a previous degree program.
4. A 2.75 grade point average in the professional education core including all transfer credits or credits earned in a previous degree program with a grade of "C" or higher in all courses used for the professional education core.
5. A 2.50 grade point average in the teaching major and/or minor (secondary) or components (elementary) including all transfer credits or credits earned in a previous degree program.
6. A grade of "C" or higher in ENGL 201 (Critical Reading and Writing) or College of Education approved equivalent course.
7. Must be fully admitted to the teacher education program.
8. Letters of recommendation from major advisor, one instructor in major or minor, and one cooperating teacher during field experiences.
9. Submission of Professional Portfolio with required entries completed in conjunction with teacher education program courses.

### Correspondence Courses

No student is permitted to enroll in a correspondence course during the semester in which he/she is student teaching without written permission from the Director of the Office of Clinical Experiences and Student Services.

### Reasonable Accommodation for Students with Disabilities

If you have a diagnosed disability or believe that you have a disability that might require "reasonable accommodation" on the part of the instructor, please call the Director of the ADA and Disabilities Resource Center (236-3599). As a part of the Americans with Disabilities Act, it is the responsibility of the student to disclose a disability prior to requesting reasonable accommodation.

# Bachelor's Degrees in Teacher Education

## Teacher Education General Requirements

All students pursuing a bachelor's degree in the College of Education must fulfill the University's General Education requirements, listed in this bulletin in the Academic Information section.

Transfer policy, alternate means to satisfy general education requirements, and general education and major field requirements as listed in the graduation requirements section of this bulletin also apply to College of Education majors.

## Program in Child and Family Studies

The Child and Family Studies program includes two undergraduate teacher education degree majors: Early Childhood Education and Family and Consumer Sciences Education. These degree areas are designed to prepare teachers and other professionals through general and specialized coursework. The coursework requirements for each major are listed in this section of the catalog, and include core coursework in Education (EDUC), Child and Family Studies (CFS), and related areas of study. Students interested in pursuing a degree in Child and Family Studies should contact the Division of Teacher Education for additional information.

## Major in Early Childhood Education

The Bachelor of Arts in Early Childhood Education degree program is designed to provide training of teachers in the field of early childhood education. In addition, the program provides a means of upgrading the

professional educator's knowledge and skills in the early childhood education area. The degree program is competency/field-based and allows students the opportunity to apply course work instruction to practical experiences in approved early childhood education centers at each level of preparation. Students interested in pursuing Early Childhood Education, either as a major field of endeavor or as a support component area, are advised to contact the Coordinator for Child and Family Studies for general information and program advisement.

### Summary of Requirements for a Bachelor of Arts Degree in Early Childhood Education

A minimum of 128 semester credit hours to include:

1. Completion of General Education requirements of the University.\*

*\*The state of Idaho requires individuals who apply for a Standard Elementary teaching certificate to have completed the following general coursework; 12 credits of English to include both composition and literature; 12 credits of social science to include a course in U.S. History and/or U.S. Government (Psychology will not count); 8 credits in two or more areas of natural science (must include a physical and a biological science); 3 credits of fine arts (any art or music appreciation course); 6 credits in fundamental mathematics; 3 credits in content or methods of physical education and/or health education, exclusive of activity classes. Therefore, to help meet some of these certification requirements, it is recommended that Early Childhood and Elementary Education majors take one of the art or music courses listed to satisfy Goal 6 (fine arts); any of the English courses listed to satisfy Goal 7; either HIST 111 or 112 to satisfy Goal 9; an ANTH or HIST course to satisfy Goal 10; and an ANTH or SOC course to satisfy Goal 12. Goal 3 is satisfied by MATH 257 Structure of Geometry and Probability for Elementary School Teachers 3 cr.*

2. Completion of a major in Early Childhood Education including:
  - a. Specialty coursework in Early Childhood Education;
  - b. a component in Elementary Education;
  - c. the Professional Education core.

### Early Childhood Education Specialty Coursework

CFS 203	The Young Child	3 cr
CFS 209	Early Childhood Environments	3 cr
CFS 301	Constructing Social Understanding in ECE	3 cr
CFS 302	Integrated Curriculum in ECE	3 cr
CFS 409	Professional Seminar in ECE	3 cr
CFS g435	Family as Developmental Context	3 cr
CFS 493	Early Childhood Education: Student Teaching	7-14 cr

### Professional Education Core

EDUC 201	Development and Individual Differences	3 cr
EDUC 204	Families, Communities, Culture	3 cr
EDUC 301	Inquiring, Thinking, Knowing	3 cr
EDUC 302	Motivation and Management	3 cr
EDUC 309	Instructional Planning, Delivery, and Assessment	6 cr
EDUC 311	Instructional Technology	3 cr
EDUC 401	Language and Literacy	3 cr
EDUC 402	Adaptations for Diversity	3 cr

### Elementary Education Component

EDUC 235	Introduction to Elementary Art Methods and Materials	1 cr
EDUC 321	Integrated Language Arts Methods	3 cr
EDUC 322	Literature for Children	2 cr
EDUC 330	Elementary Math Methods	2 cr
EDUC 331	Elementary Science Methods	2 cr
EDUC 336	Social Science Methods	2 cr
EDUC g419	Developmental Literacy	3 cr
HE 211	Health Education Methods/Elementary	1 cr
MUSC 233	Music Methods for Elementary Teachers	2 cr
PE 211	Physical Education Methods/Elementary	1 cr

## Major in Family and Consumer Sciences

Professional courses in Family and Consumer Sciences are offered to prepare students for bachelor's degrees in Secondary Family and Consumer Sciences Education and general Family and Consumer Sciences. The Family and Consumer Sciences major provides a generalist's background and preparation. A master's degree emphasis in Family Studies is offered; this degree program is described in the Graduate Catalog.

### University General Education Requirements

Students pursuing a Bachelor of Science degree in Child and Family Studies must complete Goals 1-6, Goal 7 or 8, Goal 9 or 10, and Goals 11-12. Note that certain goals

are met by specific major requirements: Goal 3 by MATH 143 and 253; Goal 4 by BIOL 100 or 205; Goal 5 by CHEM 100; Goal 6 by ART 100; Goal 11 by ECON 201; Goal 12 by PSYC 101 AND SOC 101.

### Required Courses

ART 100	Survey of Art	3 cr
CFS 203	The Young Child	3 cr
CFS 209	Early Childhood Environments	3 cr
CFS 229	Textile Products	3 cr
CFS 314	Interior Design and Housing Perspectives	3 cr
CFS 321	Families and American Society	3 cr
CFS 429	Social and Psychological Aspects of Clothing	3 cr
CFS g431	Family Resource Management	3 cr
CFS g435	Family as Developmental Context	3 cr
CFS g470	Consumer Economics	3 cr
ECON 201	Principles of Macroeconomics	3 cr
NTD 104	Foods	3 cr
NTD 204	Meal Management	2 cr
NTD 239	Nutrition	3 cr
PSYC 101	Introduction to General Psychology I	3 cr
SOC 101	Introduction to Sociology	3 cr

## Vocational Family and Consumer Sciences Education

The secondary Family and Consumer Sciences Education major is approved by the Idaho State Board for Vocational Education. Students graduating in Vocational Family and Consumer Sciences Education must have completed at least 500 cumulative hours verified paid work experience in a family and consumer sciences-related occupation to receive vocational Family and Consumer Sciences certification in the state of Idaho (4,000 hours are required for occupational Family and Consumer Sciences programs).

It is recommended that a student complete the single-subject Family and Consumer Sciences Education major and a supporting teaching minor.

### University General Education Requirements

Students pursuing a Bachelor of Science degree in Vocational Family and Consumer Sciences Education must complete Goals 1-6, Goal 7 or 8, Goal 9 or 10, and Goals 11-12. Note that certain goals are met by specific major requirements: Goal 3 by MATH 143 and 253; Goal 4 by BIOL 100 or 205; Goal 5 by CHEM 100; Goal 6 by ART 100;

Goal 11 by ECON 201; Goal 12 by PSYC 101 AND SOC 101.

### Required Courses

Required courses must be taken in the recommended sequence. The student must work with a Family and Consumer Sciences Education advisor prior to beginning the coursework.

Students wishing to be recommended for secondary certification in Vocational Family and Consumer Sciences must complete requirements for the general Family and Consumer Sciences major and the following additional coursework:

### Professional Education Core

EDUC 201	Development and Individual Differences	3 cr
EDUC 204	Families, Communities, Culture	3 cr
EDUC 301	Inquiring, Thinking, Knowing	3 cr
EDUC 302	Motivation and Management	3 cr
EDUC 309	Instructional Planning, Delivery and Assessment	6 cr
EDUC 311	Instructional Technology	3 cr
EDUC 401	Language and Literacy	3 cr
EDUC 402	Adaptations for Diversity	3 cr

### Family and Consumer Sciences Core

CFS 332	Family and Consumer Sciences Curriculum	3 cr
CFS 495	Student Teaching: Family and Consumer Sciences	7-14 cr
VED g401	Foundations of Occupational Education	3 cr
VED g444	Guidance and Special Needs Concepts for Occupational Education	3 cr
VED g455	Methods for Teaching Adults	3 cr
VED g468	Techniques of Teaching Cooperative Education	3 cr

### Subject Related Courses

Family and Consumer Sciences Education majors must take the courses listed below. The courses must be taken in the departmentally recommended sequence. The student must work with a Family and Consumer Sciences advisor and utilize the departmental advising sheets.

CFS 100	Child and Family Studies Professions	1 cr
CFS 318	Leadership Issues Seminar	1 cr
CFS 322	Building Positive Relationships	3 cr
CFS g431	Family Resource Management	3 cr
CFS g470	Consumer Economics	3 cr
NTD 104	Foods	3 cr
NTD 204	Meal Management	2 cr
NTD 239	Nutrition	3 cr

### Plus the following Vocational and Family and Consumer Studies (Home Economics) Education courses:

CFS 332	Family and Consumer Sciences Curriculum	3 cr
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CFS 495	Student Teaching: CFS Foundations of Occupational Education	7-14 cr
VED g401	Foundations of Occupational Education	3 cr
VED g455	Methods of Teaching Adults	2 cr
VED g468	Techniques of Teaching Cooperative Education	3 cr

### Recommended Electives:

CFS g471	Advanced Consumer Economics	3 cr
CFS g472	Teaching Consumer Economics	1-3 cr
ECON 202	Principles of Microeconomics	3 cr
VED g444	Guidance and Special Needs Concepts in Vocational Education	3 cr

## Minor in Consumer Economics

Students receiving degrees in majors other than Family and Consumer Sciences may satisfy the requirements for a minor in Consumer Economics.

CFS g431	Family Resource Management	3 cr
CFS g470	Consumer Economics	3 cr
CFS g471	Advanced Consumer Economics	3 cr

Choose two of the following (6 credits):		
ACCT 200	Personal Tax Planning	3 cr
ACCT 201	Principles of Accounting I	3 cr
ACCT 202	Principles of Accounting II	3 cr
CFS g472	Teaching Consumer Economics	3 cr
ECON g323	Economic History	3 cr
ECON g331	Money and Banking	3 cr
ECON g334	International Economics	3 cr
ECON g338	Public Finance	3 cr
FIN 303	Principles of Real Estate	3 cr
MGT 215	Small Business Management	3 cr
MGT 261	Legal Environment of Organizations	3 cr
MGT 362	Business Law	3 cr
MKTG 325	Basic Marketing Management	3 cr
MKTG g327	Consumer Behavior	3 cr

## Child and Family Studies Courses

**CFS 100 Child and Family Studies Professions 1 credit.** An introduction to professional careers in related fields. Student and career expectations, career options, leadership, balancing work and family, publications, and research directed toward the development of emancipated professionals. F

**CFS 203 The Young Child 3 credits.** Study and observation of typical and atypical development from conception to age eight. Focus on interaction and balance among developmental domains and influence of societal contexts. Laboratory experience included. PREREQ: EDUC 201. F

**CFS 209 Early Childhood Environments 3 credits.** Study of home and school environments as foundations for fostering young children's learning. Emphasis on materials,

space, schedule, and verbal interactions. Laboratory experience included. PREREQ: CFS 203 OR PERMISSION OF INSTRUCTOR. S

**CFS 229 Textile Products 3 credits.** Study of the interactive relationship among fibers, fabrics, and the construction of textile products. Information applied within the context of home and family use. PREREQ: CHEM 100, ART 100 OR PERMISSION OF INSTRUCTOR. D

**CFS 301 Constructing Social Understanding in ECE 3 credits.** Study of psychosocial and linguistic strategies to support learning, problem solving and other positive relationships in families and classrooms. Emergent social studies connections defined. PREREQ: CFS 203 OR PERMISSION OF INSTRUCTOR. F

**CFS 302 Integrated Curriculum in ECE 3 credits.** Study of inquiry-based curriculum practices which support development and integrate learning experience in content areas, including literacy, math, science, art, music, drama, and movement. PREREQ: CFS 209 OR PERMISSION OF INSTRUCTOR. S

**CFS 314 Interior Design and Housing Perspectives 3 credits.** Study of individual housing needs and alternatives including practical applications and decision making. Emphasis on social-psychological aspects of housing. Topics include dwelling design, construction, financing, remodeling, and interior furnishings. F

**CFS 318 Leadership Issues Seminar 1 credit.** Consideration of issues related to the transition from student to professional. Insight into successful functioning as a team member and leader in the profession. PREREQ: JUNIOR STANDING AND PERMISSION OF INSTRUCTOR. S

**CFS 321 Families and American Society 3 credits.** American families in social-historical contexts. Contemporary issues confronting families as social institutions and examination of impact of family interaction dynamics. Cross-listed as SOC 321. PREREQ: SOC 101 OR PERMISSION OF INSTRUCTOR. F

**CFS 322 Building Positive Relationships 3 credits.** Exploration of the role of decision-making and interpersonal understanding as forces in creating self-formed individuals. Emphasis placed upon building and maintaining positive interpersonal relationships. PREREQ: SOC 101 AND PSYC 101. F

**CFS 332 Family and Consumer Sciences Curriculum 3 credits.** Organization of vocational home economics programs as influenced by legislation, State guidelines, association standards, and philosophical frameworks. Lecture and laboratory. PREREQ: ADMISSION TO TEACHER EDUCATION PROGRAM. F

**CFS 397 Professional Education Development. 1-3 credits.** A course for the practicing educator aimed at the development and improvement of educational skills. Various sections will have different subtitles. Graded S/U. D

**CFS g400 Foundations of Early Childhood Special Education 3 credits.** Survey of the history, philosophy, relevant legislation, and interdisciplinary aspects of the field. Major focus on typical and atypical development from birth through five years, integrating all areas of development. F

**CFS g401 Foundations of Early Childhood Education 3 credits.** Examination of social, historical, and philosophical foundations of early childhood education and their respective influences on currently accepted concepts and practices in programs serving young children from birth through age eight. AF

**CFS 409 Professional Seminar in ECE 3 credits.** Student research projects and group examination of current policies, issues, and practices affecting young children and families. Introduction to program administration, supervision, and evaluation. PREREQ: PERMISSION OF INSTRUCTOR. F

**CFS 429 Social and Psychological Aspects of Clothing 3 credits.** Study of clothing as a tool of self-expression and social interaction. Various personal and societal contexts emphasized. PREREQ: SOC 100, PSYC 100 OR PERMISSION OF INSTRUCTOR. D

**CFS g431 Family Resource Management 3 credits.** Management theory for resource utilization and goal achievement. Issues include stress, communication, and family types. Emphasis on decision-making related to the dynamics of balancing work and family. PREREQ: CFS g470. S

**CFS g435 Family as Developmental Context 3 credits.** Study of families as a context for fostering individual development. The reciprocal impact of individual life stage and family life cycle stage is emphasized. PREREQ: EDUC 201 OR PERMISSION OF INSTRUCTOR. D

**CFS g470 Consumer Economics 3 credits.** Financial management content with a focus on developing effective decision-making processes for managing resources. Topics: The changing American family; consumer protection and recourse; purchasing decisions; consumer credit; fundamentals of savings/investment; and insurance. F

**CFS g471 Advanced Consumer Economics 3 credits.** Advanced study of social and economic problems affecting individuals and families. Topics: financial security; credit and loans; tax planning; major consumer purchases; risk management; investments; retirement and estate planning. PREREQ: CFS g470. S

**CFS g472 Teaching Consumer Economics 1-3 credits.** Designed to provide educators with current content and resources for developing consumer and economic education curriculum. Teaching techniques discussed and practiced. PREREQ: CFS g471 OR PERMISSION OF INSTRUCTOR. F, S, Su

**CFS 481 Special Problems in Child and Family Studies 1-2 credits.** Students select problem on the basis of needs, interests, or abilities. Independent work in the laboratory, library, or community. Regular advisor conferences required PREREQ: PERMISSION OF INSTRUCTOR F, S, Su

**CFS 490 Field Experience in Child and Family Studies 1-3 credits.** Students participate in a variety of settings including schools, agencies, businesses, and child care settings. PREREQ: PERMISSION OF INSTRUCTOR. F, S

**CFS 493 Early Childhood Education: Student Teaching 7-14 credits.** Students assume instructional and management responsibilities in supervised early childhood/primary setting. PREREQ: ADMISSION TO TEACHER EDUCATION PROGRAM AND/OR APPROVED APPLICATION. Graded S/U. F, S

**CFS 494 Partnerships with Professionals 3 or 6 credits.** Professional cooperative experience with business agency. Seminar plus 126 hours experience, 3 credits; 252 hours, 6 credits. PREREQ: 9 CREDITS IN EMPHASIS AREA, 2.5 GPA, APPROVAL OF INSTRUCTOR, CT g457 OR VED g455. D

**CFS 495 Student Teaching: Child and Family Studies 7-14 credits.** Students assume instructional and management responsibilities in supervised settings. PREREQ: ADMISSION TO TEACHER EDUCATION PROGRAM ,PERMISSION OF INSTRUCTOR. Graded S/U. D

## Elementary Education

### Summary of Requirements for a Bachelor of Arts or a Bachelor of Science degree in Elementary Education

A minimum of 128 semester credit hours to include:

1. Completion of General Education requirements of the University.\*

*\*The state of Idaho requires individuals who apply for a Standard Elementary teaching certificate to have completed the following general coursework; 12 credits of English to include both composition and literature; 12 credits of social science to include a course in U.S. History and/or U.S. Government (Psychology will not count); 8 credits in two or more areas of natural science (must include a physical and a biological science); 3 credits of fine arts (any art or music appreciation course); 6 credits of fundamental mathematics; 3 credits in content or methods of physical education and/or health education, exclusive of activity classes. There-*

fore, to help meet some of these certification requirements, it is recommended that Early Childhood and Elementary Education majors take one of the art or music courses listed to satisfy Goal 6 (fine arts); any of the English courses listed to satisfy Goal 7; either HIST 111 or 112 to satisfy Goal 9; an ANTH or HIST course to satisfy Goal 10; and an ANTH or SOC course to satisfy Goal 12. Goal 3 is satisfied by MATH 257 Structure of Geometry and Probability for Elementary School Teachers 3 cr.

## 2. Completion of a major in Elementary Education to includes:

- one component of 30 semester credit hours or two components of 18 semester credit hours each, chosen from the fields listed under Elementary Education Component fields, and
- the Professional Education Core.

## Professional Education Core

EDUC 201	Development and Individual Differences	3 cr
EDUC 204	Families, Communities, Culture	3 cr
EDUC 301	Inquiring, Thinking, Knowing	3 cr
EDUC 302	Motivation and Management	3 cr
EDUC 309	Instructional Planning, Delivery, and Assessment	6 cr
EDUC 311	Instructional Technology	3 cr
EDUC 401	Language and Literacy	3 cr
EDUC 402	Adaptations for Diversity	3 cr
EDUC 494	Student Teaching	7-14 cr

## Elementary Education Required Courses

EDUC 235	Introduction to Elementary Art Methods and Materials	1 cr
EDUC 321	Integrated Language Arts Methods	3 cr
EDUC 322	Literature for Children	2 cr
EDUC 330	Elementary Mathematics Methods	2 cr
EDUC 331	Elementary Science Methods	2 cr
EDUC 336	Social Science Methods	2 cr
EDUC g419	Developmental Literacy	3 cr
EDUC 494	Early Childhood Education: Student Teaching	7-14 cr
HE 200	Promoting Wellness	2 cr
HE 211	Health Education Methods/Elementary	1 cr
PE 211	Physical Education Methods/Elementary	1 cr
MATH 157	Structure of Arithmetic for Elementary School Teachers	3 cr
MATH 257	Structure of Geometry and Probability for Elementary School Teachers	3 cr
MUSC 233	Music Methods for Elementary School Teachers	2 cr

## Elementary Education Components

Components in elementary education are designed to provide concentration in given fields. Students majoring in Elementary Education must choose either two 18 credit components or one 30 credit component. Students should consult with their College of Education advisor to clarify or modify component selections.

### Art (20 cr)

ART 105	Drawing I	3 cr
ART 103	Creative Process	3 cr
ART 104	Creative Process	3 cr
ART 100	Survey of Art	3 cr
EDUC 335	Elementary School Art: Methods and Materials	2 cr
Studio electives		6 cr

It is highly recommended that the student also take ART 334.

### Art (38 cr)

ART 100	Survey of Art	3 cr
ART 101	History of Western Art I	3 cr
ART 102	History of Western Art II	3 cr
ART 103	Creative Process	3 cr
ART 104	Creative Process	3 cr
ART 105	Drawing I	3 cr
Studio electives		18 cr
EDUC 335	Elementary School Art: Methods and Materials	2 cr

It is highly recommended that the student also take ART 334.

### Biological Science (18 cr)

BIOL 100	Concepts Biology: Human Concerns	4 cr
BIOL 202	General Zoology	3 cr
BIOL 203	General Botany	3 cr
BIOL 202L	General Zoology Laboratory	1 cr
BIOL 203L	General Botany Laboratory	1 cr
Electives in Biology, Zoology, Microbiology, Botany, or Ecology:		10 cr
BIOS 413	is highly recommended as an elective.	

### Biological Science (30 cr)

BIOL 202	General Zoology	3 cr
BIOL 203	General Botany	3 cr
BIOL 202L	General Zoology Laboratory	1 cr
BIOL 203L	General Botany Laboratory	1 cr
BIOS 100	Concepts Biology: Human Concerns	4 cr
Electives in Biology, Zoology, Microbiology, Botany, or Ecology:		22 cr
BIOS 413	is highly recommended as an elective.	

### Early Childhood Education (18 cr)

CFS 203	The Young Child	3 cr
CFS 209	Early Childhood Environments	3 cr
CFS 301	Constructing Social Understanding in ECE	3 cr

CFS 302	Integrated Curriculum in ECE	3 cr
CFS 409	Professional Seminar in ECE	3 cr
CFS g435	Family as Developmental Context	3 cr

### Earth Sciences Major (29-33 cr)

GEOL 100	Survey of Geology	4 cr
OR		
GEOL 101	Physical Geology	3 cr
OR		
GEOL 109	Physical Geology for Scientists	3 cr
GEOL 102	Historical Geology	3 cr
GEOL 110*	Physical Geology for Scientists Lab	1 cr
GEOL 115	Physical Geography	4 cr
GEOL 122	Rocks and Stars	3 cr
GEOL 210	Rocks, Minerals, Fossils and Maps	2 cr
GEOL 211	Mineralogy	3 cr
GEOL g306	Environmental Geology	3 cr
GEOL g356	Geology of Southern Idaho	2 cr
AND/OR		
GEOL g358	Geology of North America	3 cr
AND/OR		
GEOL g371	Historical Geography of Idaho	4 cr
GEOL 400	Geology Teaching Practicum I	1 cr
AND		
PHYS 152/153	Descriptive Astronomy and Lab	4 cr
GEOL g410	Science in American Society	2 cr

\* Note: Students must take GEOL 110 even if they have taken the lab for GEOL 100 or GEOL 101.

### Earth Sciences Minor (19-23 cr)

GEOL 100	Survey of Geology	4 cr
OR		
GEOL 101	Physical Geology	3 cr
OR		
GEOL 109	Physical Geology for Scientists	3 cr
GEOL 102	Historical Geology	3 cr
GEOL 110*	Physical Geology for Scientists Lab	1 cr
GEOL 115	Physical Geography	4 cr
GEOL 122	Rocks and Stars	3 cr
OR		
GEOL g306	Environmental Geology	3 cr
OR		
GEOL g356	Geology of Southern Idaho	2 cr
OR		
GEOL g358	Geology of North America	3 cr
OR		
GEOL g371	Historical Geography of Idaho	4 cr
GEOL 210	Rocks, Minerals, Fossils and Maps	2 cr
GEOL 400	Geology Teaching Practicum I	1 cr
AND (recommended)		
PHYS 152/153	Descriptive Astronomy and Lab	4 cr
GEOL g410	Science in American Society	2 cr

\* Note: Students must take GEOL 110 even if they have taken the lab for GEOL 100 or GEOL 101.

### Education of Hearing Impaired (18 cr) (Non-certification program)

SPA 321	Clinical Phonology	3 cr
SPA 327	Sign Language I	2 cr
SPA 328	Sign Language II	2 cr
SPA 340	Audiology I: Hearing Science and Audiometry	4 cr

Three courses selected from:

SPA 205	Introduction to Communication Disorders	3 cr
SPA g301	Developmental Psycholinguistics and Reading	3 cr
SPA 329	Sign Language III	2 cr
SPA 330	Language Development	3 cr
SPA 335	Language Disorders	3 cr
SPA 345	Audiology II: Aural Rehabilitation	3 cr

## English (18 cr)

ENGL 107	Nature of Language	3 cr
ENGL 110	Introduction to Literature	3 cr
ENGL 211	Introduction to Literary Analysis	3 cr
ENGL 281	Introduction to Language Studies	3 cr

One of the following:

ENGL 321	Genre Studies in Drama	3 cr
ENGL 322	Genre Studies in Poetry	3 cr
ENGL 323	Genre Studies in Prose Fiction	3 cr
ENGL 324	Genre Studies in Prose Non-Fiction	3 cr
ENGL 327	Special Topics in Genre	3 cr

One of the following:

ENGL 301	Writing About Literature	3 cr
ENGL 307	Professional Writing	3 cr
ENGL g401	Advanced Composition	3 cr

## English (30 cr)

ENGL 107	Nature of Language	3 cr
ENGL 110	Introduction to Literature	3 cr
ENGL 211	Introduction to Literary Analysis	3 cr
ENGL 267 or 268	Survey of English Literature I or II	3 cr
ENGL 277 or 278	Survey of American Literature I or II	3 cr
ENGL 281	Introduction to Language Studies	3 cr

One of the following:

ENGL 206	Creative Writing Workshop	3 cr
ENGL 306	Creative Writing Workshop	3 cr

One of the following:

ENGL 301	Writing About Literature	3 cr
ENGL 307	Professional Writing	3 cr
ENGL g401	Advanced Composition	3 cr

Plus one additional course from the following:

ENGL 257 or 258	Survey of World Literature I or II	3 cr
ENGL 267 or 258	Survey of British Literature I or II	3 cr
ENGL 277 or 278	Survey of American Literature I or II	3 cr
Upper division	English electives	3 cr

## Family and Consumer Sciences (19 cr)

CFS g431	Family Resource Management	3 cr
CFS g435	Family as Developmental Context	3 cr
CFS g470	Consumer Economics	3 cr
NTD 104	Foods	3 cr
NTD 204	Meal Management	2 cr
NTD 239	Nutrition	3 cr
NTD 405	Community Nutrition Issues	2 cr

## Foreign Language— French, German, Spanish (19 cr)

Elementary courses	8 cr
Intermediate courses	8 cr
LANG 307 Foreign Language Practicum	3 cr

## Foreign Language— French, German, Spanish (31 cr)

Elementary courses	8 cr
Intermediate courses	8 cr
LANG 307 Foreign Language Practicum	3 cr
Conversation and Composition	6 cr
Electives from language literature courses	6 cr

## General Science (18 and 30 cr)

Select credits from at least three (3) of the following areas: Biology, Chemistry, Geology, Microbiology, Physics. For the 30 credit component, 6 credits of upper division course work must be completed in one of the science areas.

## Health Education (18 cr)

HE 200	Promoting Wellness	2 cr
HE 201	Selected Topics in Health Education	2 cr
HE 202	Computer Applications in Health	1 cr
HE 221	Introduction to Health Education	1 cr
HE 332	Community and Public Health	2 cr
HE 339	Methods of Teaching Health	2 cr
HE 340	Fitness and Wellness Programs	3 cr
HE 430	Curriculum in Health Education	2 cr
NTD 139 or 239	Nutrition	3 cr

## Health Education (30 cr)

HE 200	Promoting Wellness	2 cr
HE 201	Selected Topics in Health Education	2 cr
HE 202	Computer Applications in Health	1 cr
HE 211	Elementary Methods in Health Education	1 cr
HE 221	Introduction to Health Education	1 cr
HE 332	Community and Public Health	2 cr
HE 339	Methods of Teaching Health	2 cr
HE 340	Fitness and Wellness Programs	3 cr
HE g401	Issues in Health and Wellness	4 cr
HE 430	Curriculum in Health Education	2 cr
HE g443	Substance Abuse and Health Education	2 cr
HE g445	Human Sexuality and Health Education	2 cr
HE g460	Healthy Lifestyle Management	3 cr
NTD 139 or 239	Nutrition	3 cr

## History (18 cr)

HIST 101	Foundation of Western Civilization	3 cr
HIST 102	Development of Western Civilization	3 cr
HIST 111	U.S. History (to 1865)	3 cr
HIST 112	U.S. History (to present)	3 cr
HIST g336	Idaho and the Northwest	3 cr
Electives in History		3 cr

## History (30 cr)

HIST 101	Foundation of Western Civilization	3 cr
HIST 102	Development of Western Civilization	3 cr
HIST 111	U.S. History (to 1865)	3 cr
HIST 112	U.S. History (to present)	3 cr
HIST 336	Idaho and the Northwest	3 cr
Electives in History		15 cr
(must include at least 9 credits of upper division)		

## Humanities (18 cr)

Humanities credits from at least 3 of the following areas:

### American Studies (literature);

### Art;

ART 100	Survey of Art	3 cr
ART 101	History of Western Art I	3 cr
ART 102	History of Western Art II	3 cr
ART 210	History and Appreciation of Photography	3 cr

### Foreign Languages;

### Literature;

### Music;

MUSC 100	Introduction to Music	3 cr
MUSC 106	American Music	3 cr
MUSC 303	Music History I	3 cr
MUSC 304	Music History II	3 cr
MUSC 305	Music History III	3 cr
MUSC 306	Music History IV	3 cr

### Philosophy (other than logic);

### Physical Education;

P E 201	Survey of Dance	3 cr
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### Speech;

COMM 101	Principles of Speech	2 cr
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### Theatre;

THEA 101	Appreciation of Drama	3 cr
THEA 126	Art of the Film I	3 cr
THEA 305	Art of the Film II	3 cr
THEA g313	Theatre Background I	3 cr
THEA g314	Theatre Background II	3 cr
THEA g323	Stage Costume History and Design	3 cr
THEA g328	Stage Costume History and Design	3 cr
THEA g419	Modern European Theatre	3 cr
THEA g420	American Theatre	3 cr

## Humanities (30 cr)

Humanities credits from at least 4 of the following areas, including at least 10 credits of upper division:

**American Studies (literature);****Art;**

ART 100	Survey of Art	3 cr
ART 210	History and Appreciation of Photography	3 cr
ART 101	History of Western Art I	3 cr
ART 102	History of Western Art II	3 cr

**Foreign Languages;****Literature;****Music;**

MUSC 100	Introduction to Music	3 cr
MUSC 106	American Music	3 cr
MUSC 303	Music History I	3 cr
MUSC 304	Music History II	3 cr
MUSC 305	Music History III	3 cr
MUSC 306	Music History IV	3 cr

**Philosophy (other than logic);****Physical Education;**

PE 201	Survey of Dance	3 cr
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**Speech;**

COMM 101	Principles of Speech	2 cr
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**Theatre;**

THEA 101	Appreciation of Drama	3 cr
THEA 126	Art of Film I	3 cr
THEA 305	Art of Film II	3 cr
THEA g313	Theatre Background I	3 cr
THEA g314	Theatre Background II	3 cr
THEA g323	Stage Costume History and Design	3 cr
THEA g328	Stage Costume History and Design	3 cr
THEA g419	Modern European Theatre	3 cr
THEA g420	American Theatre	3 cr

**Library Science (20 cr)**

(required for media generalist's certification)

EDUC 322	Literature for Children	2 cr
LIBR 121	Introduction to Library Use	2 cr
LIBR 221	Bibliography and Reference	3 cr
LIBR 257	Cataloging and Classification	3 cr
LIBR 259	Audio-Visual Materials and Computers in the Classroom	3 cr
	OR	
LIBR g355	Media Center Administration	3 cr
LIBR g356	Automation, Selection, and Evaluation of Library Materials	3 cr
LIBR g440	Practicum	1-4 cr

**Mainstreaming (20 cr)**

(does not lead to Special Education Certification)

SPED 270	Field Work in Special Education	2 cr
SPED g330	The Exceptional Child	3 cr
SPED g334	Classroom Behavior Management	3 cr
SPED g424	Assessment Procedures in Special Education	3 cr
SPED g438	Policies and Procedures in Special Education	3 cr
	Elective in SPED courses	3 cr

**Mathematics (21 cr)**

MATH 123	Mathematics in Modern Society	3 cr
MATH 127	Language of Mathematics	3 cr
MATH 130	Finite Mathematics	4 cr
MATH 144	Trigonometry	2 cr
MATH 160	Brief Calculus	4 cr
MATH 230	Introduction to Linear Algebra	2 cr
MATH 253	Introduction to Statistics	3 cr

(or 21 credits of mathematics approved by the Mathematics Department)

**Mathematics (30 cr)**

MATH 147	Precalculus	5 cr
MATH 160	Brief Calculus	4 cr
	OR	
MATH 170	Calculus I	4 cr
MATH 157	Structure of Arithmetic for Elementary School Teachers	3 cr
MATH 257	Structure of Geometry and Probability for Elementary School Teachers	3 cr
CS 181	Introduction to Computer Science and Programming I	3 cr
MATH 287	Discrete Structures	3 cr
	Electives in Mathematics	12 cr

**Multicultural Studies (18 cr)**

ANTH 238	Peoples and Cultures of New World	3 cr
ECON 201	Principles of Macroeconomics	3 cr
	OR	
ECON 202	Principles of Microeconomics	3 cr
ENGL 107	Nature of Language	3 cr
SOC 248	Local and National Minorities	3 cr

One of the following:

HIST 251	Latin American Civilization	3 cr
HIST 252	East Asian History	3 cr
HIST 254	Middle Eastern Civilization	3 cr
HIST 255	African History and Culture	3 cr
	Approved upper division elective	3 cr

**Music (18 cr)**

Music Department approval is necessary for the 18 and 30 hour components listed below. Acceptance is dependent upon diagnostic placement exams and performance auditions. Please consult the Music Department chairperson before beginning either of these components.

MUSC 100	Introduction to Music	3 cr
MUSC 103	Theory of Music I	3 cr
MUSC 104	Theory of Music II	3 cr
MUSC 113	Aural Skills I	1 cr
MUSC 114	Aural Skills II	1 cr
MUSC 118-119	Class Piano	2 cr
	OR	
MUSC 218-219	Class Piano	2 cr
	OR	
	Equivalent piano proficiency	
MUSC 127	Class Voice	1 cr
MUSC 233	Music Methods for Elementary Teachers	2 cr
MUSC 319	Choral Conducting and Materials	2 cr

**Music (30 cr)**

MUSC 100	Introduction to Music	3 cr
MUSC 103	Theory of Music I	3 cr
MUSC 104	Theory of Music II	3 cr
MUSC 113	Aural Skills I	1 cr
MUSC 114	Aural Skills II	1 cr
MUSC 118-119	Class Piano	2 cr
	OR	
MUSC 218-219	Class Piano	2 cr
	OR	
	Equivalent piano proficiency	
MUSC 125	Beginning Guitar Class	1 cr
MUSC 127	Class Voice	1 cr
MUSC 233	Music Methods for Elementary Teachers	2 cr
MUSC 305	Music History III	3 cr
	AND/OR	
MUSC 306	Music History IV	3 cr
MUSC 319	Choral Conducting and Materials	2 cr
	Applied music	4 cr
	Large ensemble (Band, Orchestra, Choir)	4 cr

**Physical Education (18 cr)**

HE 205	First Aid and Safety	2 cr
PE 221	History and Philosophy of Physical Education	2 cr
PE 260	Methods of Dance for Children	2 cr
PE 292	Leadership Practicum	1 cr
	(above course to be taken twice)	
PE 300	Movement Theory	2 cr
PE 357	Physical Education for Elementary Schools	2 cr
PE g494	Special Physical Activity	3 cr
	Approved electives in Physical Education	6 cr

IN ADDITION: Student must present a current Red Cross First Aid Card to advisor or complete HE 205, First Aid and Safety.

**Physical Education and Health Education (30 cr)**

HE 201	Selected Topics in Health Education	2 cr
HE 202	Computer Applications in Health	1 cr
HE 205	First Aid and Safety	2 cr
HE 221	Introduction to Health Education	1 cr
HE 332	Community and Public Health	2 cr
HE g401	Issues in Health and Wellness	4 cr
NTD 139 or 239	Nutrition	3 cr
PE 221	History and Philosophy of Physical Education	2 cr
PE 260	Methods of Dance for Children	2 cr
PE 300	Movement Theory	2 cr
PE 357	Physical Education for Elementary Schools	2 cr
PE g494	Special Physical Activity	3 cr
	Approved electives	4 cr

**Political Science (21 cr)**

POLS 101	Introduction to American Government	3 cr
POLS 313	Introduction to Political Philosophy	3 cr
POLS 331	Comparative Politics: Framework for Analysis	3 cr
POLS g301	Political Parties and Interest Groups	3 cr
	OR	
POLS g427	Voting and Public Opinion	3 cr
	OR	
POLS g443	Constitutional Law	3 cr

POLS g403	The Presidency OR	3 cr
POLS g404	The Legislative Process United States History	3 cr 6 cr

## Psychology (18 cr)

PSYC 101	Intro to General Psychology I	3 cr
PSYC 102	Intro to General Psychology II	3 cr
Approved electives in Psychology		12 cr

## Social Science (18 cr)

HIST 111	U.S. History (to 1865)	3 cr
HIST 112	U.S. History (to present)	3 cr
Electives		12 cr

(Must be selected from at least three of the following areas: Anthropology, American Studies (History), Economics, Political Science, History (HIST g336, History of Idaho and the Northwest is recommended), and Sociology.)

## Social Science (30 cr)

HIST 111	U.S. History (to 1865)	3 cr
HIST 112	U.S. History (to present)	3 cr
HIST g336	History of Idaho and the Northwest	3 cr

Electives to include at least 12 credits of upper division courses 21 cr  
(Must be selected from at least four of the following areas: Anthropology, American Studies (History), Economics, Political Science, History, and Sociology.)

## Sociology (18 cr)

SOC 101	Introduction to Sociology	3 cr
SOC 102	Social Problems	3 cr
SOC 206	Sociological Methods	3 cr
SOC 248	Local and National Minorities	3 cr
SOC 301	Principles of Sociology	3 cr
SOC g361	Social Stratification	3 cr

## Special Education (30 cr)

P E g494	Special Physical Activity	3 cr
SPED 270	Field Work in Special Education	2 cr
SPED g330	The Exceptional Child	3 cr
SPED g334	Classroom Behavior Management	3 cr
SPED g424	Assessment Procedures in Special Education	3 cr
SPED g427	Precision Teaching	1 cr
SPED g432	Direct Instruction Systems	3 cr
SPED g438	Policies and Procedures in Special Education	3 cr

Electives selected from:

SPA 205	Introduction to Communication Disorders	3 cr
SPA g301	Developmental Psycholinguistics and Reading	3 cr
SPED g440	Biomedical Aspects of Physical Disability	2 cr
SPED g448	Pre-Practicum, Moderately Handicapped	1-3 cr
SPED g480	Seminar in Special Education	1 cr
SPED g491	Seminar	1-3 cr
SPED g498	Advanced Field Work	1-3 cr

For initial certification in special education, SPED 495, Special Education Student Teaching, for 7-14 credits is required in addition to the 30 credits. A major component in elementary education is also required to achieve certification in Idaho.

## Speech Communication/ Theatre (30 cr)

SPCH 117	Oral Interpretation: Textual Analysis	3 cr
SPCH 208	Group Communication	3 cr
SPCH 355	Nonverbal Communication	3 cr
SPCH g441	Interpersonal Communication	3 cr
THEA 101	Appreciation of Drama	3 cr
THEA 204	Fundamentals of Puppetry	2 cr
ENGL 267-268	Survey of English Literature I & II	6 cr

400-level Speech elective selected from:		
SPCH g436	Rhetorical Criticism	3 cr
SPCH g437	Rhetorical Theory	3 cr
SPCH g452	Conflict Management	3 cr

Electives in Theatre 10 cr

# Secondary Teacher Education

## Summary of Requirements for a Bachelor of Arts or a Bachelor of Science degree in Secondary Education.

A minimum of 128 semester credit hours to include:

1. Completion of general university requirements (see Academic Regulations and Graduation Requirements of the university).
2. Completion of a subject teaching major of at least 30 semester credit hours as recommended by the subject department and approved by the College of Education, and completion of a subject teaching minor of at least 20 semester credit hours as recommended by the subject department and approved by the College of Education, OR completion of a single subject teaching major of at least 45 semester credit hours as recommended by the subject department and approved by the College of Education.
3. Completion of the professional education core.

## Professional Education Core

EDUC 201	Development and Individual Differences	3 cr
EDUC 204	Families, Communities, Culture	3 cr
EDUC 301	Inquiring, Thinking, Knowing	3 cr
EDUC 302	Motivation and Management	3 cr
EDUC 309	Instructional Planning, Delivery, and Assessment	6 cr
EDUC 311	Instructional Technology	3 cr

EDUC 401	Language and Literacy	3 cr
EDUC 402	Adaptations for Diversity	3 cr
EDUC 496	Student Teaching	7-14 cr

## Secondary Education Teaching Majors and Minors

### Biological Sciences Major

BIOL 202	General Zoology	3 cr
BIOL 202L	General Zoology Laboratory	1 cr
BIOL 203	General Botany	3 cr
BIOL 203L	General Botany Laboratory	1 cr
BIOS 206	Cell Biology	3 cr
BIOS 207	Cell Biology Laboratory	1 cr
BIOS 209	General Ecology	4 cr
BIOS 221	Introductory Microbiology	3 cr
BIOS 223	Introductory Microbiology Laboratory	1 cr
BIOS g310	Invertebrate Zoology	4 cr
BIOS g317	Organic Evolution	3 cr
BIOS 358	Genetics	3 cr
BIOS g413	Biology Teaching Methods	3 cr
BIOS g491	Seminar	1 cr
BIOS g492	Seminar	1 cr
MATH 160	Brief Calculus	4 cr

MATH 253 Introduction to Statistics 3 cr  
Plus one of the following botany course options:  
BIOS 213-214 Spring and Fall Flora\* 4 cr

OR		
BIOS g304	Plant Physiology	4 cr
BIOS g309	Range Agrostology	2 cr
BIOS g311	Dendrology	3 cr
BIOS 312	Systematic Botany*	4 cr
BIOS g405	Plant Anatomy	3 cr
BIOS g406	Plant Morphology	4 cr
BIOS g408	Plant Ecology	3 cr

\*Recommended courses are BIOS 312 instead of BIOS 213 or 214.  
BIOS g431 General Entomology is also a recommended elective.

### Biological Sciences Minor

BIOL 202	General Zoology	3 cr
BIOL 202L	General Zoology Laboratory	1 cr
BIOL 203	General Botany	3 cr
BIOL 203L	General Botany Laboratory	1 cr
BIOS 221	Introductory Microbiology	3 cr
BIOS 223	Introductory Microbiology Laboratory	1 cr
BIOS (Botany—a minimum of 2 credits are required for teaching certification) 2-4 cr		
BIOS g413	Biology Teaching Methods	3 cr
MATH 160	Brief Calculus	4 cr
OR		
MATH 253	Introduction to Statistics	3 cr
Plus two of the following:		
BIOL 209	General Ecology	4 cr
BIOS g317	Organic Evolution	3 cr
BIOS 358	Genetics	3 cr

### Business Education Major

ACCT 201	Principles of Accounting I	3 cr
B ED 102	Intermediate Keyboarding	3 cr
B ED 310	Microcomputers in Business Education	3 cr
B ED 320	Clerical Procedures	2 cr
B ED 330	Advanced Technology in Business Education	3 cr
B ED 332	Methods in Business Education	3 cr
CFS g470	Consumer Economics	3 cr
VED g401	Foundations of Occupational Education	3 cr

VED g444	Guidance and Special Needs Concepts for Vocational Education	3 cr
VED g468	Techniques of Teaching Cooperative Education	3 cr

Select from the following:		3 cr
CFS g470	Consumer Economics	3 cr
ECON 100	Economic Issues	3 cr
ECON 201 or 202	Principles of Macroeconomics and Microeconomics	3 cr

### Business Education Minor

ACCT 201	Principles of Accounting	3 cr
B ED 102	Intermediate Keyboarding	3 cr
B ED 310	Microcomputers in Business Education	3 cr
B ED 320	Clerical Procedures	2 cr
B ED 332	Methods in Business Education	3 cr
VED g401	Foundations of Occupational Education	3 cr

Select from the following:		3 cr
CFS g470	Consumer Economics	3 cr
ECON 100	Economic Issues	3 cr
ECON 201 or 202	Principles of Macroeconomics and Microeconomics	3 cr

### Business Education/ Basic Business Major

ACCT 201	Principles of Accounting I	3 cr
ACCT 202	Principles of Accounting II	3 cr
B ED 102	Intermediate Keyboarding	3 cr
B ED 310	Microcomputers in Business Education	3 cr
B ED 332	Methods in Business Education	3 cr
ECON 201-202	Principles of Macroeconomics and Microeconomics	6 cr
MGT 261	Legal Environment of Organizations	3 cr
VED g401	Foundations of Occupational Education	3 cr
VED g468	Techniques of Teaching Cooperative Education	3 cr

### Business Education/ Basic Business Minor

ACCT 201	Principles of Accounting I	3 cr
ACCT 202	Principles of Accounting II	3 cr
B ED 102	Intermediate Keyboarding	3 cr
B ED 332	Methods in Business Education	3 cr
ECON 201-202	Principles of Macroeconomics and Microeconomics	6 cr
MGT 261	Legal Environment of Organizations	3 cr
VED g401	Foundations of Occupational Education	3 cr

### Chemistry Major

CHEM 111	General Chemistry I	5 cr
CHEM 112	General Chemistry II	4 cr
CHEM 114	Cations and Anions	1 cr
CHEM 211	Inorganic Chemistry I	2 cr
CHEM 232	Quantitative Analysis	2 cr
CHEM 234	Quantitative Analysis Lab	2 cr
CHEM g400	Practicum in Physical Science	2 cr
Approved electives in Chemistry		12 cr

### Chemistry Minor

CHEM 111	General Chemistry I	5 cr
CHEM 112	General Chemistry II	4 cr

CHEM 211	Inorganic Chemistry I	2 cr
CHEM g400	Practicum in Physical Science	2 cr
Approved electives in Chemistry		7 cr

### Consumer Economics Minor

CFS g431	Family Resource Management	3 cr
CFS g470	Consumer Economics	3 cr
CFS g471	Advanced Consumer Economics	3 cr
ECON 201-202	Principles of Macroeconomics and Microeconomics	6 cr

Additional credits chosen from the following		6 cr
ACCT 200	Personal Tax Planning	3 cr
ACCT 201	Principles of Accounting I	3 cr
ACCT 202	Principles of Accounting II	3 cr
CFS g472	Teaching Consumer Economics	1-3 cr
ECON g323	Economic History	3 cr
ECON g331	Money and Banking	3 cr
ECON g334	International Economics	3 cr
ECON g338	Public Finance	3 cr
FIN 303	Principles of Real Estate	3 cr
MGT 215	Small Business Management	3 cr
MGT 261	Legal Environment of Organizations	3 cr
MGT 362	Business Law	3 cr
MKTG 325	Basic Marketing Management	3 cr
MKTG g327	Consumer Behavior	3 cr

### Economics Major

ECON 201-202	Principles of Macroeconomics and Microeconomics	6 cr
ECON g301	Macroeconomic Theory	3 cr
ECON g302	Microeconomic Theory	3 cr
ECON g323	Economic History	3 cr
ECON g331	Money and Banking	3 cr
Approved electives in Economics		12 cr

### Economics Minor

ECON 201-202	Principles of Macroeconomics and Microeconomics	6 cr
ECON g301	Macroeconomic Theory	3 cr
ECON g302	Microeconomic Theory	3 cr
Approved electives in Economics		12 cr

### Education of Hearing Impaired Minor

SPA 320	Clinical Phonology	3 cr
SPA 327	Sign Language I	2 cr
SPA 328	Sign Language II	2 cr
SPA 340	Audiology I: Hearing Science and Audiometry	4 cr

Three courses selected from:		
SPA 205	Introduction to Communication Disorders	3 cr
SPA g301	Developmental Psycholinguistics and Reading	3 cr
SPA 329	Sign Language III	2 cr
SPA 330	Language Development	3 cr
SPA 335	Language Disorders	3 cr
SPA 345	Audiology II: Aural Rehabilitation	3 cr

*Non-certification program; must be accompanied by a single subject 45 semester hour major.*

### English Major

ENGL 211	Introduction to Literary Analysis	3 cr
ENGL 267 or 268	Survey of English Literature I or II	3 cr

ENGL 277 or 278	Survey of American Literature I or II	3 cr
ENGL 281	Introduction to Language Studies	3 cr
ENGL 301	Writing About Literature	3 cr
ENGL g433*	Methods: Teaching English	3 cr
ENGL 491	Senior Seminar	3 cr

One of the following:		
ENGL g472	Proseminar in a Major Literary Figure	3 cr
ENGL g473	Chaucer	3 cr
ENGL g474	Milton	3 cr
ENGL g476	Shakespeare	3 cr

Plus one additional course from the following:		
ENGL 257 or 258	Survey of World Literature I or II	3 cr
ENGL 267 or 258	Survey of British Literature I or II	3 cr
ENGL 277 or 278	Survey of American Literature I or II	3 cr
Approved electives (6 cr must be upper division)		9 cr

\*ENGL g433 must be completed before student teaching.

### English Minor

ENGL 211	Introduction to Literary Analysis	3 cr
ENGL 267 or 268	Survey of English Literature I & II	3 cr
ENGL 277 or 278	Survey of American Literature I & II	3 cr
ENGL 281	Introduction to Language Studies	3 cr
ENGL 301	Writing About Literature	3 cr
ENGL g433*	Methods: Teaching English	3 cr

Plus one additional course from the following:		
ENGL 257 or 258	Survey of World Literature I or II	3 cr
ENGL 267 or 258	Survey of British Literature I or II	3 cr
ENGL 277 or 278	Survey of American Literature I or II	3 cr

\*ENGL g433 must be completed before student teaching.

### Family and Consumer Sciences Minor

CFS 203	The Young Child	3 cr
CFS 314	Interior Design and Housing Perspectives	2 cr
CFS 321	Families and American Society	3 cr
CFS 332	Family and Consumer Sciences Curriculum	3 cr
CFS 429	Social and Psychological Aspects of Clothing	3 cr
CFS g431	Family Resource Management	3 cr
NTD 104	Foods	3 cr

Select one course from the following:		
CFS 209	Early Childhood Environments	3 cr
CFS 229	Textile Products	3 cr
CFS g435	Family as Developmental Context	3 cr
CFS g470	Consumer Economics	3 cr
NTD 204	Meal Management	2 cr
NTD 239	Nutrition	3 cr

ART 100 must be taken to meet Goal 6, ECON 201 must be taken to meet Goal 11, and PSYCH 101 and SOC 101 must be taken to meet Goal 12. This minor does not meet coursework standards for vocational endorsement.

## French Major

FREN 301-302	French Conversation and Composition and their prerequisites or equivalent high school courses.	6 cr
LANG g437	The Teaching of Foreign Languages	3 cr
	Upper division electives in French (must be approved by the Foreign Languages Department and the College of Education).	10 cr

## French Minor

FREN 201-202	Intermediate French (or equivalent)	6 cr
LANG g437	The Teaching of Foreign Languages	3 cr
	Approved electives in French (must be approved by the Foreign Languages Department and the College of Education).	12 cr

## Geology Major (at least 30 cr)

Must be accompanied by a Science minor of 20 credits.

GEOL 100	Survey of Geology	4 cr
	OR	
GEOL 101	Physical Geology	3 cr
	OR	
GEOL 109	Physical Geology for Scientists	3 cr
GEOL 102	Historical Geology	3 cr
GEOL 110*	Physical Geology for Scientists Lab	1 cr
GEOL 115	Physical Geography	4 cr
GEOL 210	Rocks, Minerals, Fossils and Maps	2 cr
GEOL g306	Environmental Geology	3 cr
GEOL g371	Historical Geography of Idaho	4 cr
GEOL 400	Geology Teaching Practicum	1 cr
GEOL g410	Science in American Society	2 cr

Plus approved electives from the following, to reach a total of at least 30 credits:

GEOL 122	Rocks and Stars	3 cr
GEOL 201	Rocks, Rails and Trails	1 cr
GEOL 211	Mineralogy	3 cr
GEOL g352	Sedimentation Stratigraphy	4 cr
GEOL g356	Geology of Southern Idaho	2 cr
GEOL g358	Geology of North America	3 cr
GEOL g415	Quaternary Geology	4 cr
GEOL g417	General Soils	3 cr
GEOL g430	Principles of Hydrogeology	3 cr
GEOL g431	Invertebrate Paleontology	4 cr
GEOL g491	Seminar	1 cr

\* Note: Students must take GEOL 110 even if they have taken the lab for GEOL 100 or GEOL 101.

## Geology Minor (at least 22 cr)

GEOL 100	Survey of Geology	4 cr
	OR	
GEOL 101	Physical Geology	3 cr
	OR	
GEOL 109	Physical Geology for Scientists	3 cr
GEOL 102	Historical Geology	3 cr
GEOL 110*	Physical Geology for Scientists Lab	1 cr
GEOL 115	Physical Geography	4 cr
GEOL 210	Rocks, Minerals, Fossils and Maps	2 cr
GEOL 400	Geology Teaching Practicum	1 cr
GEOL g410	Science in American Society	2 cr

Choose one of these two courses:

GEOL 122	Rocks and Stars	3 cr
	OR	
GEOL g306	Environmental Geology	3 cr

Choose one of these three courses:

GEOL g356	Geology of Southern Idaho	2 cr
	OR	
GEOL g358	Geology of North America	3 cr
	OR	
GEOL g371	Historical Geography of Idaho	4 cr

\* Note: Students must take GEOL 110 even if they have taken the lab for GEOL 100 or GEOL 101.

## German Major

GERM 301-302	German Conversation and Composition and their prerequisites or equivalent high school courses.	6 cr
LANG g437	The Teaching of Foreign Languages	3 cr
	Upper division electives in German (must be approved by the Foreign Languages Department and the College of Education).	10 cr

## German Minor

GERM 201-202	Intermediate German (or equivalent)	8 cr
LANG g437	The Teaching of Foreign Languages	3 cr
	Approved electives in German (must be approved by the Foreign Languages Department and the College of Education).	12 cr

## Health Education Major

EDUC 496	Student Teaching Secondary	7-14 cr
H E 200	Promoting Wellness	2 cr
H E 201	Selected Topics in Health Education	2 cr
H E 202	Computer Applications in Health	1 cr
H E 221	Introduction to Health Education	1 cr
H E 332	Community and Public Health	2 cr
H E 339	Methods of Teaching Health	2 cr
H E 340	Fitness and Wellness Programs	3 cr
H E g383	Epidemiology	3 cr
H E g401	Issues in Health and Wellness	4 cr
H E 430	Curriculum in Health Education	2 cr
H E g442	Environmental Health and Health Education	2 cr
H E g443	Substance Abuse and Health Education	2 cr
H E g444	Human Diseases and Health Education	2 cr
H E g445	Human Sexuality and Health Education	2 cr
H E g460	Healthy Lifestyle Management	3 cr
NTD 139 or 239	Nutrition	3 cr

## History Major

HIST 101	Foundation of Western Civilization	3 cr
HIST 102	Development of Western Civilization	3 cr
HIST 111	U.S. History (to 1865)	3 cr
HIST 112	U.S. History (to present)	3 cr
HIST 291	The Historian's Craft	3 cr
HIST g491	Seminar	3 cr

Plus one of these Third World history courses:

HIST 251	Latin American Civilization	3 cr
HIST 252	East Asian History	3 cr
HIST 254	Middle Eastern Civilization	3 cr
HIST 255	African History and Culture	3 cr

Plus any two classes selected from:

HIST g311	American Culture before 1800	3 cr
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HIST g320	The Renaissance	3 cr
HIST g322	Religious Reformation and Conflict	3 cr
HIST g325	Industrialization and Social Change	3 cr
HIST g356	Imperialism and Progressivism	3 cr
HIST g360	The Spanish Empire	3 cr
HIST g427	American West	3 cr
HIST g429	Foreign Relations since 1900	3 cr
HIST g435	Colonial Frontiers in America and Africa	3 cr
HIST g437	Families in Former Times	3 cr
HIST g439	Women in History	3 cr
HIST g446	Social and Economic History of Greece and Rome	3 cr
HIST g448	Medieval Social and Economic History	3 cr
HIST g451	Constituting Modern Spain	3 cr

Plus two additional 200-400 level HIST courses

POLS 101	Introduction to American Government	3 cr
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## History Minor

HIST 101	Foundation of Western Civilization	3 cr
HIST 102	Development of Western Civilization	3 cr
HIST 111	U.S. History (to 1865)	3 cr
HIST 112	U.S. History (to present)	3 cr
POLS 101	Introduction to American Government	3 cr

Plus one of these Third World history courses:

HIST 251	Latin American Civilization	3 cr
HIST 252	East Asian History	3 cr
HIST 254	Middle Eastern Civilization	3 cr
HIST 255	African History and Culture	3 cr

Plus one additional 200-400 level HIST course

POLS 101	Introduction to American Government	3 cr
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## Library Science Minor (required for media generalist's certification)

EDUC 322	Literature for Children	2 cr
LIBR 121	Introduction to Library Use	2 cr
LIBR 221	Bibliography and Reference	3 cr
LIBR 257	Cataloging and Classification	3 cr
LIBR 259	Audio-Visual Materials and Computers in the Classroom	3 cr
LIBR g355	Media Center Administration	3 cr
LIBR g356	Automation, Selection, and Evaluation of Library Materials	3 cr
LIBR g440	Practicum	3 cr

## Mass Communication Minor

ENGL g433	Methods: Teaching English (highly recommended)	3 cr
M C 119	Introduction to Mass Media	3 cr
M C 121	Reporting and Newswriting	4 cr
M C 230	Introduction to Photography	4 cr
M C 325	Editing for Print Media	4 cr
	Approved electives selected from:	
M C 270	Journalism History	3 cr
M C 290	American Broadcasting	3 cr
M C 350	Cable Television and New Media Technology	3 cr
M C 440	Media Law and Ethics	3 cr
M C g452	Mass Communication and Society	3 cr

**Mathematics Major**

C S 181	Introduction to Computer Science and Programming I	3 cr
MATH 170	Calculus I	4 cr
MATH 175	Calculus II	4 cr
MATH 275	Calculus III	4 cr
MATH 287	Discrete Structures	3 cr
MATH g326	Elementary Analysis	3 cr
MATH g330	Linear Algebra	3 cr
MATH g343	Modern Geometry	3 cr
MATH g352	General Statistics	3 cr
MATH g407	Modern Algebra I	3 cr

And one of the following:

MATH 315	Mathematics Methods in Secondary Schools	3 cr
MATH g327	Vector Analysis	3 cr
MATH g408	Modern Algebra II	3 cr

**Mathematics Minor**

C S 181	Introduction to Computer Science and Programming I	3 cr
MATH 170	Calculus I	4 cr
MATH 175	Calculus II	4 cr
MATH 275	Calculus III	4 cr
MATH 287	Discrete Structures	3 cr
MATH g330	Linear Algebra	3 cr
MATH g343	Modern Geometry	3 cr
MATH g352	General Statistics	3 cr

And one of the following:

MATH g326	Elementary Analysis	3 cr
MATH g407	Modern Algebra I	3 cr

**Music Education**

See Bachelor of Music Education degree program (K-12 certification) for requirements.

**Physical Education Major**

PE 221	History and Philosophy of Physical Education	2 cr
PE 231	Activity Laboratory-Field and Court	1 cr
PE 232	Activity Laboratory-Outdoor Skills	1 cr
PE 233	Activity Laboratory-Individual and Recreational	1 cr
PE 234	Activity Laboratory-Dance	1 cr
PE 243	Anatomical Foundations of Human Activity	2 cr
PE 270	Motor Learning	1 cr
PE 292	Leadership Practicum	1 cr
(above course to be taken twice)		
PE 301	Physiology of Exercise	4 cr
PE 302	Human Kinesiology	4 cr
PE 322	Psychology of Sport	3 cr
PE g362	Tests and Measurements in Physical Education	2 cr
PE 437	Methods of Teaching Physical Education	2 cr
PE g475	Management of Physical Education Programs	3 cr
PE g494	Special Physical Activity	3 cr
Approved electives in Physical Education 2 cr		
IN ADDITION: Student must present a current Red Cross First Aid Card to advisor or complete H E 205, First Aid and Safety.		

**Physical Education Minor**

PE 221	History and Philosophy of Physical Education	2 cr
PE 231	Activity Laboratory-Field and Court	1 cr

PE 232	Activity Laboratory-Outdoor Skills	1 cr
PE 233	Activity Laboratory-Individual and Recreational	1 cr
PE 234	Activity Laboratory-Dance	1 cr
PE 243	Anatomical Foundations of Human Activity	2 cr
PE 270	Motor Learning	1 cr
PE 292	Leadership Practicum	1 cr
(above course to be taken twice)		
PE 301	Physiology of Exercise	4 cr
PE 302	Human Kinesiology	4 cr
PE 322	Psychology of Sport	3 cr
PE g362	Tests and Measurements in Physical Education	2 cr
PE 437	Methods of Teaching Physical Education	2 cr
PE g475	Management of Physical Education Programs	3 cr
PE g494	Special Physical Activity	3 cr
IN ADDITION: Student must present a current Red Cross First Aid Card to advisor or complete H E 205, First Aid and Safety.		

**Physics Major**

PHYS 152-153	Descriptive Astronomy and Laboratory	4 cr
PHYS 211-212*	Engineering Physics	8 cr
PHYS 213-214	Engineering Physics Lab	2 cr
PHYS g301**	Modern Physics	3 cr
PHYS 400	Practicum in Physical Science	2 cr
PHYS g403	Advanced Modern Physics	3 cr
PHYS/GEOLg410	Science in American Society	2 cr
Approved electives in Physics 8 cr		
*Calculus is required for PHYS 211-212.		
**MATH g360 is required for PHYS g301		

**Physics Minor**

PHYS 152-153	Descriptive Astronomy and Laboratory	4 cr
PHYS 211-212*	Engineering Physics	8 cr
PHYS 213-214	Engineering Physics Lab	2 cr
PHYS 400	Practicum in Physical Science	2 cr
PHYS/GEOLg410	Science in American Society	2 cr
Approved electives in Physics 4 cr		
*Two semesters of calculus are required for PHYS 212.		

**Political Science Major**

Credits selected from core curriculum (excluding POLS 460) 24 cr		
HIST 111	U.S. History (to 1865)	3 cr
HIST 112	U.S. History (to present)	3 cr
<b>Political Science Minor</b>		
HIST 111	U.S. History (to 1865)	3 cr
HIST 112	U.S. History (to present)	3 cr
POLS 101	Introduction to American Government	3 cr
POLS 313	Introduction to Political Philosophy	3 cr
POLS 331	Comparative Politics: Framework for Analysis	3 cr
POLS g403	The Presidency	3 cr
POLS g404	The Legislative Process	3 cr
One course selected from:		
POLS g301	Political Parties and Interest Groups	3 cr
POLS g427	Voting and Public Opinion	3 cr
POLS g443	Constitutional Law	3 cr

**Psychology Minor**

PSYC 101	Intro to General Psychology	13 cr
PSYC 102	Intro to General Psychology II	3 cr
PSYC 227	Basic Statistics	3 cr

PSYC 228	Introduction to the Theory of Measurement and Test Construction	3 cr
PSYC 303	Experimental Psychology	4 cr
Approved electives in Psychology 6 cr		

**Russian Minor**

RUSS 201-202	Intermediate Russian OR equivalent	8 cr
LANG g437	The Teaching of Foreign Languages	3 cr
Approved electives in Russian 12 cr		
(must be approved by the Foreign Languages Department and the College of Education).		

**Social Science Major**

Required prerequisite foundational courses which also satisfy the General Education requirements:

HIST 101	Foundation of Western Civilization	3 cr
HIST 111	U.S. History (to 1865)	3 cr
POLS 101	Introduction to American Government	3 cr
SOC 101	Introduction to Sociology	3 cr

**Required Courses**

ECON 201-202	Principles of Macroeconomics and Microeconomics	6 cr
ECON g323	Economic History	3 cr
EDUC 336	Social Science Methods	2 cr
HIST 102	Development of Western Civilization	3 cr
HIST 112	U.S. History (to present)	3 cr
HIST g427	American West	3 cr
SOC 248	Local and National Minorities	3 cr
SOC g361	Social Stratification	3 cr
One course from:		
POLS 331	Comparative Politics: Framework for Analysis	3 cr
POLS g332	Comparative Politics: Change and Political Order	3 cr
POLS g433	Politics of Developing Nations	3 cr
One course from:		
POLS g301	Political Parties and Interest Groups	3 cr
POLS 308	State and Local Government	3 cr
POLS 326	Recent American Foreign Policy	3 cr
POLS 342	American Legal Systems	3 cr
POLS g403	The Presidency	3 cr
POLS g404	The Legislative Process	3 cr
POLS g411	American Political Theory	3 cr
POLS g443	Constitutional Law	3 cr

**Social Science Minor**

ECON 201-202	Principles of Macroeconomics and Microeconomics	6 cr
HIST 111	U.S. History (to 1865)	3 cr
HIST 112	U.S. History (to present)	3 cr
POLS 101	Introduction to American Government	3 cr
SOC 101	Introduction to Sociology	3 cr
One course in non-U.S. History or one course selected from:		
ANTH 100	General Anthropology	3 cr
ANTH 237	Peoples and Cultures of Old World	3 cr
ANTH 238	Peoples and Cultures of New World	3 cr
One course selected from:		
POLS 331	Comparative Politics: Framework for Analysis	3 cr
POLS g332	Comparative Politics: Change and Political Order	3 cr

POLS g433 Politics of Developing Nations 3 cr

One course selected from:

SOC 248 Local and National Minorities 3 cr

SOC g361 Social Stratification 3 cr

## Sociology Major

SOC 101 Introduction to Sociology 3 cr

SOC 102 Social Problems 3 cr

SOC 206 Sociological Methods 3 cr

SOC 231 Juvenile Delinquency 3 cr

SOC 248 Local and National Minorities 3 cr

SOC 301 Principles of Sociology 3 cr

SOC g361 Social Stratification 3 cr

Electives selected from:

SOC 207 Social Statistics 3 cr

SOC 321 Families and American Society 3 cr

SOC g335 Demography and Human Ecology 3 cr

SOC g403 Contemporary Sociological Theory 3 cr

SOC g408 Advanced Sociological Methods 3 cr

SOC g413 Mind, Self, and Society 3 cr

SOC g431 Criminology 3 cr

SOC g450 Sociology of the Third World 3 cr

## Sociology Minor

SOC 101 Introduction to Sociology 3 cr

SOC 102 Social Problems 3 cr

SOC 206 Sociological Methods 3 cr

SOC 301 Principles of Sociology 3 cr

Electives selected from:

SOC 207 Social Statistics 3 cr

SOC 231 Juvenile Delinquency 3 cr

SOC 248 Local and National Minorities 3 cr

SOC 321 Families and American Society 3 cr

SOC g335 Demography and Human Ecology 3 cr

SOC g361 Social Stratification 3 cr

SOC g403 Contemporary Sociological Theory 3 cr

SOC g408 Advanced Sociological Methods 3 cr

SOC g413 Mind, Self, and Society 3 cr

SOC g431 Criminology 3 cr

SOC g450 Sociology of the Third World 3 cr

## Spanish Major

SPAN 301-302 Spanish Conversation and Composition 6 cr

and their prerequisites or equivalent high school courses

LANG g437 The Teaching of Foreign Languages 3 cr

Upper Division electives in Spanish 10 cr

(must be approved by the Foreign Languages Department and the College of Education).

## Spanish Minor

SPAN 201-202 Intermediate Spanish (OR equivalent) 8 cr

LANG g437 The Teaching of Foreign Languages 3 cr

Approved electives in Spanish 12 cr

(must be approved by the Foreign Languages Department and the College of Education).

## Special Education Major

A teaching major in secondary education is also required. For initial certification in special education, SPED 495, Student

Teaching/Special Education (7-14 cr) is required in addition to the 30 credits.

SPED 270 Field Work in Special Education 2 cr

SPED g330 The Exceptional Child 3 cr

SPED g334 Classroom Behavior Management 3 cr

SPED g424 Assess Procedures in Special Education 3 cr

SPED g427 Precision Teaching 1 cr

SPED g432 Direct Instruction Systems 3 cr

SPED g438 Policies and Procedures in Special Education 3 cr

SPED g446 Secondary Special Education 2 cr

Electives selected from:

P E g494 Special Physical Activity 3 cr

PSYC 301 Abnormal Psychology I 3 cr

PSYC 302 Abnormal Psychology II 3 cr

PSYC 332 Psychology of Adolescence 3 cr

PSYC g445 Psychology of Learning 3 cr

SOC 231 Juvenile Delinquency 3 cr

SPED g440 Biomedical Aspects of Physical Disability 2 cr

SPED g448 Pre-Practicum, Moderately Handicapped 1-3 cr

SPED g480 Seminar in Special Education 1 cr

SPED g491 Seminar 1-3 cr

SPED g498 Advanced Field Work 1-3 cr

## Special Education Minor

SPED 270 Field Work in Special Education 2 cr

SPED g330 The Exceptional Child 3 cr

SPED g334 Classroom Behavior Management 3 cr

SPED g424 Assess Procedures in Special Education 3 cr

SPED g438 Policies and Procedures in Special Education 3 cr

## Speech Communication Major

M C 119 Introduction to Mass Media 3 cr

SPCH 117 Oral Interpretation: Textual Analysis 3 cr

SPCH 208 Group Communication 3 cr

SPCH 305 Argumentation and Debate 3 cr

SPCH g436 Rhetorical Criticism 3 cr

SPCH g437 Rhetorical Theory 3 cr

SPCH g441 Interpersonal Communication 3 cr

SPCH g441 Stagecraft 3 cr

THEA 111 Beginning Acting 3 cr

THEA 251 Materials and Methods for High School Speech Arts 3 cr

THEA 331 High School Speech Arts 3 cr

One 400 level elective in Speech

## Speech Communication Minor

SPCH 208 Group Communication 3 cr

SPCH 305 Argumentation and Debate 3 cr

SPCH 355 Nonverbal Communication 3 cr

SPCH g436 Rhetorical Criticism 3 cr

SPCH g437 Rhetorical Theory 3 cr

SPCH g441 Interpersonal Communication 3 cr

One 400 level elective in Speech

## Speech Communication—Theatre Major

SPCH 117 Oral Interpretation: Textual Analysis 3 cr

SPCH 132 Voice and Diction 2 cr

SPCH 208 Group Communication 3 cr

SPCH 305 Argumentation and Debate 3 cr

SPCH g436 Rhetorical Criticism 3 cr

SPCH g437 Rhetorical Theory 3 cr

SPCH g441 Interpersonal Communication 3 cr

THEA 111 Stagecraft 3 cr

THEA 251 Beginning Acting 3 cr

THEA 221 Stage Costume Construction 3 cr

OR

THEA 304 Theatre Management 2 cr

THEA 331 Material and Methods for High School Speech Arts 3 cr

THEA g420 American Theatre 3 cr

## Theatre Major

THEA 101 Appreciation of Drama 3 cr

THEA 111 Stagecraft 3 cr

THEA 221 Stage Costume Construction 2 cr

OR

THEA 304 Theatre Management 2 cr

THEA 251 Beginning Acting 3 cr

THEA 252 Intermediate Acting 3 cr

THEA 331 Materials and Methods for High School Speech Arts 3 cr

THEA 355 Stage Direction 3 cr

THEA g420 American Theatre 3 cr

SPCH 117 Oral Interpretation: Text Analysis 3 cr

SPCH 208 Group Communication 3 cr

SPCH 305 Argumentation and Debate 3 cr

## Theatre Minor

THEA 101 Appreciation of Drama 3 cr

THEA 111 Stagecraft 3 cr

THEA 251 Beginning Acting 3 cr

THEA 252 Intermediate Acting 3 cr

THEA 355 Stage Direction 3 cr

Electives selected from:

THEA 209 Stage Lighting 2 cr

THEA 214 Makeup 2 cr

THEA 221 Stage Costume Construction 2 cr

# Single Subject Teaching Majors

## American Studies (English emphasis)

ENGL 267-268 Survey of English Literature I & II 6 cr

ENGL 277-278 Survey of American Literature I & II 6 cr

ENGL 433\* Methods in the Teaching of English 3 cr

Approved electives in English 15 cr

HIST 101 Foundation of Western Civilization 6 cr

HIST 102 Development of Western Civilization 6 cr

HIST 111 U.S. History (to 1865) 3 cr

HIST 112 U.S. History (to present) 3 cr

Approved 400-level History electives 6 cr

Approved electives in History 12 cr

AMST 200 Introduction to American Studies 3 cr

AMST 401 or 402 Senior Seminar in American Studies 3 cr

PHIL 101 Introduction to Philosophy 3 cr

Approved electives in Philosophy 9 cr

Approved electives in social sciences 6 cr

\*ENGL 433 must be completed before student teaching.

## American Studies (History emphasis)

AMST 200	Introduction to American Studies	3 cr
AMST 401 or 402	Senior Seminar in American Studies	3 cr
ENGL 267-268	Survey of English Literature I & II	6 cr
ENGL 277-278	Survey of American Literature I & II	6 cr
Approved electives in English		12 cr
HIST 101	Foundation of Western Civilization	6 cr
HIST 102	Development of Western Civilization	6 cr
HIST 111	U.S. History (to 1865)	3 cr
HIST 112	U.S. History (to present)	3 cr
HIST 291	The Historian's Craft	3 cr
Approved 400-level History electives		6 cr
Approved electives in History		15 cr
PHIL 101	Introduction to Philosophy	3 cr
Approved electives in Philosophy		9 cr
One course in American Government		3 cr
Approved electives in Social Science		6 cr
Approved electives in fine arts		6 cr

## Art

ART 100	Survey of Art	3 cr
ART 101-102	History of Western Art I & II	6 cr
ART 103-104	Creative Process	6 cr
ART 105	Drawing I	3 cr
ART 334	Secondary School Art Methods	2 cr
Approved electives in Art		24 cr

## Biological Sciences

BIOL 202	General Zoology	3 cr
BIOL 202L	General Zoology Laboratory	1 cr
BIOL 203	General Botany	3 cr
BIOL 203L	General Botany Laboratory	1 cr
BIOL 205	Heredity and Its Implications	4 cr
OR		
BIOS 358	Genetics	3 cr
BIOS 206	Cell Biology	3 cr
BIOS 207	Cell Biology Laboratory	1 cr
BIOS 209	General Ecology	4 cr
BIOS 221	Introductory Microbiology	3 cr
BIOS 223	Introductory Microbiology Laboratory	1 cr
BIOS g310	Invertebrate Zoology	4 cr
BIOS 312	Systematic Botany	4 cr
BIOS g317	Organic Evolution	3 cr
BIOS g413	Biology Teaching Methods	3 cr
BIOS g491	Seminar	1 cr
BIOS g492	Seminar	1 cr
MATH 160	Brief Calculus	4 cr
OR		
MATH 253	Introduction to Statistics	3 cr
Plus one of the following botany course options:		
BIOS 213-214	Spring and Fall Flora	4 cr
BIOS g304	Plant Physiology	4 cr
BIOS g309	Range Agrostology	2 cr
BIOS g311	Dendrology	3 cr
BIOS 312	Systematic Botany	4 cr
BIOS g405	Plant Anatomy	3 cr
BIOS g406	Plant Morphology	4 cr
BIOS g408	Plant Ecology	3 cr

Plus upper division electives in biological science courses to bring the total credits in biological sciences to 45 semester hours.

## Business Education

ACCT 201	Principles of Accounting I	3 cr
B ED 102	Intermediate Keyboarding	3 cr

B ED 310	Microcomputers in Business Education	3 cr
B ED 320	Clerical Procedures	2 cr
B ED 330	Advanced Technology in Business Education	3 cr
B ED 332	Methods in Business Ed	3 cr
CFS g470	Consumer Economics	3 cr
ECON 201-202	Principles of Macroeconomics and Microeconomics	6 cr
ENGL 308	Business Communications	3 cr
MGT 261	Legal Environment of Organizations	3 cr
MGT g312	Individual and Organizational Behavior	3 cr
VED g401	Foundations of Occupational Education	3 cr
VED g444	Guidance and Special Needs Concepts for Vocational Education	3 cr
VED g468	Techniques of Teaching Cooperative Education	3 cr

## Business Education/ Basic Business

ACCT 201	Principles of Accounting I	3 cr
ACCT 202	Principles of Accounting II	3 cr
B ED 102	Intermediate Keyboarding	3 cr
B ED 310	Microcomputers in Business Education	3 cr
B ED 332	Methods in Business Ed	3 cr
ECON 201-202	Principles of Macroeconomics and Microeconomics	6 cr
ENGL 308	Business Communications	3 cr
FIN 310	International Business and Financial Markets	3 cr
MGT 261	Legal Environments of Organizations	3 cr
MGT g312	Individual and Organizational Behavior	3 cr
MKTG 325	Basic Marketing Management	3 cr
MKTG g442	Retailing Management	3 cr
VED g401	Foundations of Occupational Education	3 cr
VED g468	Techniques of Teaching Cooperative Education	3 cr

## Chemistry

CHEM 111	General Chemistry I	5 cr
CHEM 112	General Chemistry II	4 cr
CHEM 114	Cations and Anions	1 cr
CHEM 211	Inorganic Chemistry I	2 cr
CHEM 232	Quantitative Analysis	2 cr
CHEM 234	Quantitative Analysis Lab	2 cr
CHEM 301	Organic Chemistry I	3 cr
CHEM 302	Organic Chemistry II	3 cr
CHEM 304	Organic Chemistry Lab II	1 cr
CHEM 305	Organic Chemistry Lab III	2 cr
CHEM 331	Instrumental Analysis	2 cr
CHEM 334	Instrumental Analysis Lab	2 cr
CHEM g351-g352	Physical Chemistry	6 cr
CHEM g400	Practicum in Physical Science	2 cr
Approved electives in Chemistry		7 cr

## English

ENGL 211	Introduction to Literary Analysis	3 cr
ENGL 277 or 278	Survey of American Literature I & II	3 cr
ENGL 267 or 268	Survey of English Literature I & II	3 cr
ENGL 281	Introduction to Language Studies	3 cr
ENGL 301	Writing About Literature	3 cr
ENGL g433*	Methods: Teaching English	3 cr
ENGL 491	Senior Seminar	3 cr

One of the following:		
ENGL g472	Proseminar in a Major Literary Figure	3 cr
ENGL g473	Chaucer	3 cr
ENGL g474	Milton	3 cr
ENGL g476	Shakespeare	3 cr

One of the following:		3 cr
ENGL g481	Studies in Grammar	3 cr
ENGL g485	Linguistic Analysis	3 cr
ENGL g486	Old English	3 cr

Plus one additional course from the following:		
ENGL 257 or 258	Survey of World Literature I or II	3 cr
ENGL 267 or 258	Survey of British Literature I or II	3 cr
ENGL 277 or 278	Survey of American Literature I or II	3 cr

One genre course		3 cr
Two additional historical period courses		6 cr
Approved electives (excluding lower division composition courses)		6 cr

\*ENGL g433 must be completed before student teaching.

## Family and Consumer Sciences

CFS 203	The Young Child	3 cr
CFS 209	Early Childhood Environments	3 cr
CFS 229	Textile Products	3 cr
CFS 314	Interior Design and Housing Perspectives	2 cr
CFS 321	Families and American Society	3 cr
CFS 332	Family and Consumer Sciences Curriculum	3 cr
CFS 429	Social and Psychological Aspects of Clothing	3 cr
CFS g431	Family Resource Management	3 cr
CFS g435	Family as Developmental Context	3 cr
CFS g470	Consumer Economics	3 cr
CFS 495	Student Teaching: Family and Consumer Sciences	7-14 cr
NTD 104	Foods	3 cr
NTD 204	Meal Management	2 cr
NTD 239	Nutrition	3 cr
VED g401	Foundations of Occupational Education	3 cr
VED g444	Guidance and Special Needs Concepts for Occupational Education	3 cr
VED g455	Methods of Teaching Adults	2 cr
VED g468	Techniques of Teaching Cooperative Education	3 cr

## Recommended Electives:

ECON 202	Principles of Microeconomics	3 cr
CFS g471	Advanced Consumer Economics	3 cr
CFS g472	Teaching Consumer Economics	1-3 cr
VED g444	Guidance and Special Needs Concepts in Vocational Education	3 cr

## General Science

BIOS (Two courses/at least 6 credits)*	6 cr
CHEM (Two courses/at least 6 credits)*	6 cr
GEOL (Two courses/at least 6 credits)*	6 cr
PHYS (Two courses/at least 6 credits)*	6 cr
Approved electives**	12-20 cr

\*All lower division courses taken to satisfy these requirements must include laboratories, even if offered as separate courses.

\*\*Additional electives (6-10 cr) in each of two of the areas listed above. Course selection must be approved by the chair of the department offering the courses. Coursework must total 45 credits minimum.

Goal 3 must be fulfilled by one of MATH 160, MATH 170, or MATH 253.

## Geology Major (at least 45 cr)

GEOL 100	Survey of Geology	4 cr
	OR	
GEOL 101	Physical Geology	3 cr
	OR	
GEOL 109	Physical Geology for Scientists	3 cr
GEOL 110*	Physical Geology for Scientists Lab	1 cr
GEOL 102	Historical Geology	3 cr
GEOL 115	Physical Geography	4 cr
GEOL 122	Rocks and Stars	3 cr
GEOL 210	Rocks, Minerals, Fossils and Maps	2 cr
GEOL 211	Mineralogy	3 cr
GEOL g306	Environmental Geology	3 cr
GEOL g352	Sedimentation Stratigraphy	4 cr
GEOL g356	Geology of Southern Idaho	2 cr
	OR	
GEOL g358	Geology of North America	3 cr
GEOL g371	Historical Geography of Idaho	4 cr
GEOL 400	Geology Teaching Practicum	1 cr
GEOL/PHYSg410	Science in American Society	2 cr
GEOL g415	Quaternary Geology	4 cr
	OR	
GEOL g420	Principles of Geochemistry	3 cr
	OR	
GEOL g430	Principles of Hydrogeology	3 cr
GEOL g421	Structural Geology	4 cr
GEOL g431	Invertebrate Paleontology	4 cr
* Note: Students must take GEOL 110 even if they have taken the lab for GEOL 100 or GEOL 101.		

## Health

HE 200	Promoting Wellness	2 cr
HE 201	Selected Topics in Health Education	2 cr
HE 202	Computer Applications in Health	1 cr
HE 210	Medical Terminology and Communication	2 cr
HE 221	Introduction to Health Education	1 cr
HE 332	Community and Public Health	2 cr
HE 339	Methods of Teaching Health	2 cr
HE 340	Fitness and Wellness Programs	3 cr
HE g383	Epidemiology	3 cr
HE g401	Issues in Health and Wellness	4 cr
HE g420	Program Planning and Evaluation	2 cr
HE 430	Curriculum in Health Education	2 cr
HE g442	Environmental Health and Health Education	2 cr
HE g443	Substance Abuse and Health Education	2 cr
HE g444	Human Diseases and Health Education	2 cr
HE g445	Human Sexuality and Health Education	2 cr
HE g460	Healthy Lifestyle Management	3 cr
HCA g473	Marketing for Health Care	2 cr
NTD 139 OR 239	Nutrition	3 cr
Approved Electives		3 cr
TOTAL:		45 cr

## History

HIST 101	Foundation of Western Civilization	3 cr
HIST 102	Development of Western Civilization	3 cr
HIST 111	U.S. History (to 1865)	3 cr
HIST 112	U.S. History (to present)	3 cr
HIST 291	The Historian's Craft	3 cr
HIST g491	Seminar	3 cr

Plus one of these Third World history courses:  
 HIST 251 Latin American Civilization 3 cr  
 HIST 252 East Asian History 3 cr  
 HIST 254 Middle East Civilization 3 cr  
 HIST 255 African History and Culture 3 cr

Plus two courses selected from:  
 HIST g311 American Cultures before 1800 3 cr  
 HIST g320 The Renaissance 3 cr  
 HIST g322 Religious Reformation and Conflict 3 cr

HIST g325 Industrialization and Social Change 3 cr  
 HIST g356 Imperialism and Progressivism 3 cr  
 HIST g360 The Spanish Empire 3 cr  
 HIST g427 American West 3 cr  
 HIST g429 Foreign Relations since 1900 3 cr

HIST g435 Colonial Frontiers in America and Africa 3 cr  
 HIST g437 Families in Former Times 3 cr  
 HIST g439 Women in History 3 cr  
 HIST g446 Social and Economic History of Greece and Rome 3 cr  
 HIST g448 Medieval Social and Economic History 3 cr  
 HIST g451 Constituting Modern Spain 3 cr  
 Two additional 200-400 level HIST courses 6 cr  
 Three additional 300-400 level HIST courses 9 cr  
 POLS 101 Introduction to American Government 3 cr

## Mathematics

C S 181	Introduction to Computer Science and Programming I	3 cr
MATH 170	Calculus I	4 cr
MATH 175	Calculus II	4 cr
MATH 275	Calculus III	4 cr
MATH 287	Discrete Structures	3 cr
MATH g326	Elementary Analysis	3 cr
MATH g330	Linear Algebra	3 cr
MATH g343	Modern Geometry	3 cr
MATH g352	General Statistics	3 cr
MATH g407	Modern Algebra I	3 cr
MATH g408	Modern Algebra II	3 cr
Approved upper division mathematics electives including at least 3 credits at the 400-level 9 cr		

## Mathematics/Computer Science Emphasis

C S 181	Introduction to Computer Science and Programming I	3 cr
C S 182	Introduction to Computer Science Programming II	3 cr
C S 283	Introduction to Computer Systems I	3 cr
C S 287	Discrete Structures	3 cr
C S 385	Data Structures and Algorithm Analysis I	3 cr
C S 488	Senior Project	3 cr
C S 386	Data Structures and Algorithm Analysis II	3 cr
	OR	
C S 487	Topics in Computer Science	3 cr
MATH 170	Calculus I	4 cr

MATH 175	Calculus II	4 cr
MATH 230	Introduction to Linear Algebra	2 cr
MATH 253	Introduction to Statistics	3 cr
MATH 275	Calculus III	4 cr
MATH 315	Mathematical Methods in Secondary Schools	3 cr
MATH g343	Modern Geometry	3 cr
One pair selected from:		
MATH g326	Elementary Analysis	3 cr
	AND	
MATH g327	Vector Analysis	3 cr
	OR	
MATH g407-g408	Modern Algebra	6 cr
	OR	
MATH g441-g442	Introduction to Numerical Analysis	6 cr
	OR	
MATH g423-g424	Introduction to Real Analysis	6 cr
	OR	
MATH g450-g451	Probability and Statistics	6 cr
Approved upper division electives (selected in consultation with Math advisor) 3 cr		

## Music Education

See Bachelor of Music Education degree program (below) for requirements.

## Physical Education

PE 221	History and Philosophy of Physical Education	2 cr
PE 231	Activity Laboratory/Field and Court	1 cr
PE 232	Activity Laboratory/Outdoor Skills	1 cr
PE 233	Activity Laboratory/Individual and Recreational	1 cr
PE 234	Activity Laboratory/Dance	1 cr
PE 243	Anatomical Foundations of Human Activity	2 cr
PE 270	Motor Learning	1 cr
PE 292	Leadership Practicum	1 cr
(above course to be taken twice)		
PE 301	Physiology of Exercise	4 cr
PE 302	Human Kinesiology	4 cr
PE 322	Psychology of Sport	3 cr
PE g362	Tests and Measurements in Physical Education	2 cr
PE 437	Methods of Teaching Physical Education	2 cr
PE g475	Management of Physical Education Programs	3 cr
PE g494	Special Physical Activity	3 cr
Approved electives in Physical Education 13 cr (All electives must be approved by student's Physical Education advisor. If the student wishes K-12 certification, electives should include P E 260, Methods of Dance for Children; PE 300, Movement Theory; and P E 357, Physical Education for Elementary Schools).		

IN ADDITION: Student must present a current Red Cross First Aid Card to advisor or complete H E 205, First Aid and Safety.

## Social Sciences

Required prerequisite foundational courses which also satisfy the General Education requirements:

HIST 101	Foundation of Western Civilization	3 cr
HIST 111	U.S. History (to 1865)	3 cr
POLS 101	Introduction to American Government	3 cr
SOC 101	Introduction to Sociology	3 cr

**Required Courses**

ECON 201-202	Principles of Macroeconomics and Microeconomics	6 cr
ECON g323	Economic History	3 cr
EDUC 336	Social Science Methods	2 cr
CFS g470	Consumer Economics	3 cr
	OR	
CFS g471	Advanced Consumer Economics	3 cr
HIST 102	Development of Western Civilization	3 cr
HIST 112	U.S. History (to present)	3 cr
HIST g336	History of Idaho and Northwest	3 cr
	OR	
HIST g427	American West	3 cr
SOC 248	Local and National Minorities	3 cr
SOC g361	Social Stratification	3 cr
	One course selected from:	
ANTH 100	General Anthropology	3 cr
ANTH 237	Peoples and Cultures of Old World	3 cr
ANTH 238	Peoples and Cultures of New World	3 cr
	One course from:	
POLS 331	Comparative Politics: Framework for Analysis	3 cr
POLS g332	Comparative Politics: Change and Political Order	3 cr
POLS g433	Politics of Developing Nations	3 cr
	One course from:	
POLS g301	Political Parties and Interest Groups	3 cr
POLS 308	State and Local Government	3 cr
POLS 326	Recent American Foreign Policy	3 cr
POLS 342	American Legal Systems	3 cr
POLS g403	The Presidency	3 cr
POLS g404	The Legislative Process	3 cr
POLS g411	American Political Theory	3 cr
POLS g443	Constitutional Law	3 cr
	Additional credits from any POLS courses listed	3 cr
	One course from the following:	
SOC 206	Sociological Methods	3 cr
SOC 231	Juvenile Delinquency	3 cr
SOC 301	Principles of Sociology	3 cr
SOC 321	Families and American Society	3 cr
SOC g330	Sociology of Health and Illness	3 cr
SOC g335	Demography and Human Ecology	3 cr
SOC g431	Criminology	3 cr
SOC g450	Sociology of the Third World	3 cr

**Speech Communication**

M C 119	Introduction to Mass Media	3 cr
SPCH 117	Oral Interpretation: Textual Analysis	3 cr
SPCH 208	Group Communication	3 cr
SPCH 305	Argumentation and Debate	3 cr
SPCH 355	Nonverbal Communication	3 cr
SPCH g436	Rhetorical Criticism	3 cr
SPCH g437	Rhetorical Theory	3 cr
SPCH g441	Interpersonal Communication	3 cr
THEA 111	Stagecraft	3 cr
THEA 251	Beginning Acting	3 cr
THEA 331	Materials and Methods for High School Speech Arts	3 cr
	Electives in 400-level Speech courses	9 cr
	Electives ( 4 credits) selected from:	
THEA 209	Stage Lighting	2 cr
THEA 214	Makeup	2 cr
THEA 221	Stage Costume Construction	2 cr
THEA 304	Theatre Management	2 cr

**Theatre**

SPCH 117	Oral Interpretations: Text Analysis	3 cr
SPCH 208	Group Communication	3 cr
SPCH 305	Argumentation and Debate	3 cr
THEA 101	Appreciation of Drama	3 cr
THEA 111-112	Stagecraft	6 cr
THEA 251	Beginning Acting	3 cr
THEA 304	Theatre Management	3 cr
THEA 331	Materials and Methods for High School Speech Arts	3 cr
THEA 355	Stage Direction	3 cr
	Electives selected from:	
THEA 209	Stage Lighting	2 cr
THEA 214	Makeup	2 cr
THEA 221	Stage Costume Construction	2 cr
	Upper division electives in Theatre	10 cr
	(All electives must be approved by student's advisor)	

# Bachelor of Music Education

The Bachelor of Music Education is a nine-semester degree program designed to prepare students for obtaining a teaching credential certificate to teach in the elementary and secondary schools. Complete information on applied music, course sequencing, senior recital, large and small ensemble requirements, and other departmental policies may be found in the Music Department Student/Faculty Handbook, available upon request from the chair of the Music Department. Students should request advisors in the Music Department and in the College of Education.

Students must complete requirements and be fully admitted to teacher education before they can take courses in professional education numbered 300 and above.

Students seeking the Bachelor of Music Education degree must complete Goals 1, 2, 3, 4, 5, 6, 7, 8, 9, 10A or 10B, 11, and 12 of the University General Education requirements.

**Professional Education Requirement**

EDUC 201	Development and Individual Differences	3 cr
EDUC 204	Families, Communities, Culture	3 cr
EDUC 301	Inquiring, Thinking, Knowing	3 cr
EDUC 401	Language and Literacy	3 cr
EDUC 402	Adaptations for Diversity	3 cr
EDUC 492	Secondary Music Education Student Teaching	7-14 cr

**Music Requirements**

MUSC 100	Introduction to Music (Goal 6)	3 cr
MUSC 103	Theory of Music I	3 cr
MUSC 104	Theory of Music II	3 cr

MUSC 107	Recital attendance (7 semesters)	0 cr
MUSC 113	Aural Skills I	1 cr
MUSC 114	Aural Skills II	1 cr
MUSC 127	Class Voice	1 cr
	OR	
MUSC 173	Concert Choir	1 cr
MUSC 203	Theory of Music III	3 cr
MUSC 204	Theory of Music IV	3 cr
MUSC 213	Aural Skills III	1 cr
MUSC 214	Aural Skills IV	1 cr
MUSC 255	Woodwind Methods	2 cr
MUSC 256	Brass Methods	2 cr
MUSC 258	Percussion Methods	2 cr
MUSC 259	String Methods	2 cr
MUSC 303	Music History I	3 cr
MUSC 304	Music History II	3 cr
MUSC 305	Music History III	3 cr
MUSC 306	Music History IV	3 cr
MUSC 311	Form and Analysis	2 cr
MUSC 312	MIDI and Electroacoustic Music	2 cr
MUSC 319	Choral Conducting and Materials	2 cr
MUSC 320	Instrumental Conducting and Materials	2 cr
MUSC 333	Elementary School Music Methods	3 cr
MUSC 336	Secondary School Music Methods	3 cr
MUSC 337	Field Experience in Music Education I	1 cr
MUSC 338	Field Experience in Music Education II	1 cr
MUSC 401	Orchestration	2 cr
	Applied music (major instrument or voice)	7 cr
	Large Performing Ensembles (band, orchestra, choir)	7 cr
In Addition:	Solo or joint senior recital	
	*Piano proficiency	
	*Chamber Ensembles	

## Education Courses

The College of Education offers professional undergraduate and graduate courses in the principles and practices of education. In courses at the undergraduate level the aim is to provide a broad background for prospective teachers by developing knowledge, skills, and dispositions that will be useful in teaching. Graduate level courses aim to prepare effective specialists in the field of education.

Students are advised to consult with their education advisors regarding course sequencing. Concurrent enrollment in some methodology courses is restricted. Admission to teacher education is required for enrollment in all EDUC courses numbered 300-level and above.

**EDUC 101 Study Skills for Student Success 1 credit.** Covers learning strategies and study techniques (notetaking), textbook study, test preparation, memory, time management, etc. which promote academic success. Especially recommended for new students and entry students. F, S, Su

**EDUC 103 Study Skills for Mathematics 1 credit.** Covers math anxiety, notetaking, homework, textbook study, learning styles, test preparation and problem solving. Concurrent registration in a mathematics course is recommended. F, S

**EDUC 110 First Year Seminar 1 credit.** Provides an extended orientation to the university for new students. Utilizes presenters from various campus support systems, collaborative learning activities, and written assignments which involve students in resources and activities on campus. F, S

**EDUC 199 Special Topics in Education variable up to 32 credits.** Positive functioning of children and adults in group learning environment. Safety, health, physical and intellectual competence, self-concept. Supplementary responsibilities-children's program. PREREQ: APPROVED ENROLLMENT IN THE CHILD DEVELOPMENT ASSOCIATE PROGRAM. D

**EDUC 201 Development and Individual Differences 3 credits.** Examination of human development/individual differences as a basis for reflecting on learning. PREREQ: 26 CREDITS COMPLETED; "C" OR HIGHER IN ENGL 101; CIS 120 OR CONCURRENT ENROLLMENT OR EQUIVALENT COMPETENCY. F, S

**EDUC 202 Field Experience Internship 1-32 credits.** Working field internship; innovative approaches in preparation of CDA trainees. Experiences in a curriculum center, library, local settings, resource and day care centers, head start programs, nursery schools (public and private), and child development centers. Experience with educational and creative supplies and materials. PREREQ: APPROVED ENROLLMENT IN CHILD DEVELOPMENT ASSOCIATE PROGRAM. D

**EDUC 204 Families, Communities, Culture 3 credits.** Examination of interactions among school, family, community, and culture as a basis for reflecting on the social contexts of learning. PREREQ: EDUC 201 OR CONCURRENT ENROLLMENT. F, S

**EDUC 210 Peer Tutor Training 1 credit.** Introduction to individual and small group tutoring with adult students. Emphasis on teaching strategies, communication skills, ethics, learning styles, and Graded S/U. F, S

**EDUC 235 Introduction to Elementary Art Methods and Materials 1 credit.** Exploration of media, methods, and materials useful in the integration of art with the elementary curriculum. COREQ: MUSC 233 AND P E 211 SUGGESTED. F, S, Su

**EDUC 250 Educational Careers 1 credit.** An introduction to careers in education via faculty presentations, guest speakers, collaborative learning activities, and assignments. The course is intended for students interested in exploring careers in education. F, S

**EDUC 301 Inquiring, Thinking, Knowing 3 credits.** Examination of multiple perspectives on inquiring, thinking, and knowing as a basis for reflecting on educational practice. PREREQ: ADMISSION TO THE TEACHER EDUCATION PROGRAM; EDUC 201 AND 204. F, S

**EDUC 302 Motivation and Management 3 credits.** Examination of multiple perspectives on student motivation/management of learning environments as bases for reflecting on educational practice. PREREQ: ADMISSION TO TEACHER EDUCATION PROGRAM; EDUC 201, 204; EDUC 301 OR CONCURRENT ENROLLMENT. F, S

**EDUC 309 Instructional Planning, Delivery, and Assessment 6 credits.** Analysis of multiple planning models, teaching methods, assessment approaches as bases for instructional decision-making, delivery, and the assessment of learning. PREREQ: EDUC 301, EDUC 302; CONCURRENT ENROLLMENT IN EDUC 311. F, S

**EDUC 310 Efficient Reading 1 credit.** Emphasis on developing flexibility and acceleration of reading speed and refinement of comprehension skills through intensive practice of rapid reading and comprehension building techniques applied to fiction and textbook reading. PREREQ: PERMISSION OF INSTRUCTOR. Graded S/U. D

**EDUC 311 Instructional Technology 3 credits.** Analysis of content, strategies, and evaluation for integrating technology into school curricula. Includes word processing, spread sheets, databases, communication, and presentation software. PREREQ: ADMISSION TO TEACHER EDUCATION PROGRAM; CONCURRENT ENROLLMENT IN EDUC 309. F, S

**EDUC 321 Integrated Language Arts Methods 3 credits.** Theory and application of teaching methods for the language arts as integrated skills in elementary schools. Thirty hour laboratory in public or private school required. PREREQ: ADMISSION TO TEACHER EDUCATION PROGRAM. F, S

**EDUC 322 Literature for Children 2 credits.** Study of different types of children's literature, authors, and poets. Emphasis on strategies for implementing literature in grades K-8. Twenty-five hour lab required. PREREQ: ADMISSION TO TEACHER EDUCATION PROGRAM. F, S

**EDUC 330 Elementary Math Methods 2 credits.** Study of the subject matter of elementary math programs. Emphasis on teaching methods and materials. Field experience required. PREREQ: MATH 157, MATH 257, AND ADMISSION TO TEACHER EDUCATION PROGRAM. F, S

**EDUC 331 Elementary Science Methods 2 credits.** Study of the subject matter of elementary science programs. Emphasis on

teaching methods and materials. Field experience required. PREREQ: ADMISSION TO TEACHER EDUCATION PROGRAM. F, S

**EDUC 334 Secondary School Art: Methods and Materials 2 credits.** Demonstrations and practical methods and problems involved in teaching art. Practical work in all art media used at the secondary school level. Cross-listed as ART 334. D

**EDUC 335 Elementary School Art: Methods and Materials 2 credits.** Demonstrations and practical methods and problems involved in teaching art. Practical work in all art media used at the elementary school level. Some craft work. Su

**EDUC 336 Social Science Methods 2 credits.** Study of subject content of the social studies program with emphasis on methods and materials used by the teacher, K-12. Field experience required. PREREQ: ADMISSION TO TEACHER EDUCATION PROGRAM. F, S

**EDUC 340 Methodology/Diagnosis in ECE 1-5 credits.** Supervised practice in an approved nursery, day care center, and/or kindergarten based upon the results of diagnostic/prescriptive procedures utilized during prior coursework which indicates the student's progression and needs. PREREQ: PERMISSION OF EARLY CHILDHOOD COORDINATOR AND ADMISSION TO TEACHER EDUCATION PROGRAM. D

**EDUC 397 Professional Education Development 1-3 credits.** A course for the practicing educator aimed at the development and improvement of educational skills. Various sections will have different subtitles. A maximum of 10 credits may be applied to fifth year programs. Graded S U. D

**EDUC 401 Language and Literacy 3 credits.** Synthesis of principles of language and literacy as a basis for teaching across all curriculum areas. PREREQ: ADMISSION TO THE TEACHER EDUCATION PROGRAM; EDUC 301. F, S

**EDUC 402 Adaptations for Diversity 3 credits.** Creation of classroom environments, curricula, and educational experiences that enable all students to learn. PREREQ: CONCURRENT ENROLLMENT IN EDUC 492, 494, 495, OR 496, OR CFS 493. F, S

**EDUC g419 Developmental Literacy 3 credits.** Instructional strategies for reading, emphasizing early literacy and language development, phonemic awareness, phonics, word recognition strategies, comprehension and metalinguistic awareness. PREREQ: EDUC 321 OR PERMISSION OF INSTRUCTOR. F, S, Su

**EDUC g420 Advanced and Compensatory Reading in the Content Areas 3 credits.** Advanced training in developmental, remedial reading emphasizing independent strategies in study skills, critical/creative reading, metacognition. Content area application. PREREQ: TEACHING EXPERIENCE OR PERMISSION OF INSTRUCTOR. D

**EDUC g424 Assessing Literacy Abilities 3 credits.** Methods of assessment in literacy. Introduction to case study, formal and authentic measures of comprehension, vocabulary, study strategies, and writing. PREREQ: EDUC g419 OR PERMISSION OF INSTRUCTOR. F, Su

**EDUC 425 The Curriculum of the Public Schools 2 credits.** Integrated course for elementary and secondary teachers. Emphasis given to the curriculum development movement in American education. Consideration given to the philosophy and purpose undergirding the organization and patterns of the curriculum. D

**EDUC g426 Remediation of Literacy Problems 3 credits.** Teaching strategies for remediating problems in literacy. Emphasis on planning, implementing, and evaluating approaches and materials. PREREQ: EDUC g424. S, Su

**EDUC g427 Mainstreaming 2 credits.** An introduction to the philosophy and requirements of mainstreaming including identification, assessment, staffing, organization and planning procedures. Designed for undergraduate and graduate regular and special education students and ancillary personnel. Cross-listed as SPED g427. D

**EDUC g470 Manipulative Mathematics 3 credits.** Study of methods for teaching mathematics through the modern math approach stressing manipulations. Consideration is given to diagnostic and remedial procedures for exceptional children. D

**EDUC g471 Interpersonal Communications 2 credits.** Examination of basic concepts, principles, models, and theories of interpersonal communications and their application to educational settings. D

**EDUC g472 Dynamics of Instructional Groups 2 credits.** Theory, practice, and research associated with dynamics of instructional groups are presented in an experiential format with emphasis on formation, structure, and process. D

**EDUC g481-g482 Contemporary Issues in Education 1-3 credits.** Examination and analysis of contemporary issues and trends in theories and practices in education. D

**EDUC g483 Instructional Improvement for Teachers 1-3 credits.** Study of ways by which teachers can improve instruction in their own classrooms with emphasis on the findings of research and experiences. D

**EDUC g485 Independent Problems in Education 1-3 credits.** Individual work under staff guidance. Field and/or library research on specific educational problems of interest to majors in education. Experience in research composition. PREREQ: PERMISSION OF INSTRUCTOR. F, S, Su

**EDUC g491 Seminar 1-3 credits.** Critical analysis of the literature in one or more areas of education. Limited enrollment. PREREQ: PERMISSION OF INSTRUCTOR. F, S, Su

**EDUC 492 Secondary Music Education: Student Teaching 7-14 credits.** Students assume instructional and management responsibilities in a supervised secondary school music setting. PREREQ: ADMISSION TO TEACHER EDUCATION PROGRAM, MUSC 336, AND/OR APPROVED APPLICATION. Graded S/U. F, S

**EDUC 494 Elementary Education: Student Teaching 7-14 credits.** Students assume instructional and management responsibilities in supervised primary/elementary setting. PREREQ: ADMISSION TO TEACHER EDUCATION PROGRAM AND/OR APPROVED APPLICATION. Graded S/U. F, S

**EDUC 495 Junior High/Middle School: Student Teaching 7-14 credits.** Students assume instructional and management responsibilities in supervised middle/junior high school setting. PREREQ: ADMISSION TO TEACHER EDUCATION PROGRAM AND/OR APPROVED APPLICATION. Graded S/U. F, S

**EDUC 496 Secondary Education: Student Teaching 7-14 credits.** Students assume instructional and management responsibilities in supervised high school setting. PREREQ: ADMISSION TO TEACHER EDUCATION PROGRAM AND/OR APPROVED APPLICATION. Graded S/U. F, S

## Library Science Courses

**LIBR 121 Introduction to Library Use 2 credits.** Fundamentals of use of the card catalog, reference materials, and the classification system, with problems related to class work. F, S, ASu

**LIBR 221 Bibliography and Reference 3 credits.** Survey of reference works and bibliographies, basic and specialized, with practical application to research problems. Su

**LIBR 257 Cataloging and Classification 3 credits.** Theory and practice in the cataloging and classification of both book and non-book materials. Su

**LIBR 259 Audio-Visual Materials and Computers in the Classroom 3 credits.** Development and use of audio-visual materials and computer technology in the classroom, library, and school. Su

**LIBR g355 Media Center Administration 3 credits.** General administration of media centers, including the implementation of state and national media standards. The philosophy and scope of services and the relationship of center activities to school curriculum. Su

**LIBR g356 Automation, Selection, and Evaluation of Library Materials 3 credits.** Addresses automation as it relates to library services and collections as well as the selection and evaluation of library materials. Su

**LIBR g440 Practicum 1-4 credits.** Practicum in a library and/or media center under the supervision of professional personnel. PREREQ: APPROVAL OF LIBRARY COORDINATOR. S

**LIBR g441 Independent Study in Library Science 1-2 credits.** Individual work under staff guidance. Field and/or library research on specific problems in librarianship. PREREQ: PERMISSION OF LIBRARY COORDINATOR. S

**LIBR 495 Library Science: Student Teaching 7 credits.** Students assume instructional and management responsibilities in a supervised junior/senior high library/media center. PREREQ: ADMISSION TO TEACHER EDUCATION PROGRAM AND/OR APPROVED APPLICATION. Graded S/U. F, S

## Certification Only

The Certification Only program is designed for students who already hold a bachelor of arts or bachelor of science degree and seek teaching certification only. Students pursuing certification must fulfill all teacher education requirements as outlined for institutional recommendation for teaching certification in the area of certification (i.e., early childhood, elementary, or secondary) and for endorsements (i.e., chemistry, history, Spanish, etc.) on the certificate.

## Requirements for Elementary Education Standard Certification

1. *The state of Idaho requires individuals who apply for a Standard Elementary teaching certificate to have completed the following general course work: 12 credits of English to include both composition and literature; 12 credits of social science to include a course in U.S. History and/or U.S. Government (psychology will not satisfy this requirement), 8 credits in two or more areas of natural science, 3 credits of fine arts (any art or music course), 6 credits of fundamental mathematics, and 3 credits in content or methods of physical education and/or health education, exclusive of activity classes.*

2. Completion of the Professional Education Core:

EDUC 201	Development and Individual Differences	3 cr
EDUC 204	Families, Communities, Culture	3 cr

EDUC 301	Inquiring, Thinking, Knowing	3 cr
EDUC 302	Motivation and Management	3 cr
EDUC 309	Instructional Planning, Delivery, and Assessment	6 cr
EDUC 311	Instructional Technology	3 cr
EDUC 401	Language and Literacy	3 cr
EDUC 402	Adaptations for Diversity	3 cr

### 3. Completion of the Elementary Education Professional Courses:

EDUC 235	Introduction to Elementary Art Methods and Materials	1 cr
EDUC 321	Integrated Language Arts Methods	3 cr
EDUC 322	Literature for Children	2 cr
EDUC 330	Elementary Mathematics Methods	2 cr
EDUC 331	Elementary Science Methods	2 cr
EDUC 336	Social Science Methods	2 cr
EDUC g419	Developmental Literacy	3 cr
EDUC 494	Early Childhood Education: Student Teaching	7-14 cr
HE 200	Promoting Wellness	2 cr
HE 211	Health Education Methods/Elementary	1 cr
PE 211	Physical Education Methods/Elementary	1 cr
MATH 157	Structure of Arithmetic for Elementary School Teachers	3 cr
MATH 257	Structure of Geometry and Probability for Elementary School Teachers	3 cr
MUSC 233	Music Methods for Elementary School Teachers	2 cr

## Requirements for Secondary Education Certification

1. Completion of a subject teaching major of at least 30 semester credit hours as recommended by the subject department and approved by the College of Education, and completion of a subject teaching minor of at least 20 semester credit hours as recommended by the subject department and approved by the College of Education OR completion of a single subject teaching major of at least 45 semester credit hours as recommended by the subject department and approved by the College of Education.

### 2. Completion of the Professional Education Core:

EDUC 201	Development and Individual Differences	3 cr
EDUC 204	Families, Communities, Culture	3 cr
EDUC 301	Inquiring, Thinking, Knowing	3 cr
EDUC 302	Motivation and Management	3 cr
EDUC 309	Instructional Planning, Delivery, and Assessment	6 cr
EDUC 311	Instructional Technology	3 cr
EDUC 401	Language and Literacy	3 cr
EDUC 402	Adaptations for Diversity	3 cr

# Special Education

The special education major prepares students for professional certification in special education and/or the bachelor's degree in human exceptionality. For information on the master's degree offering, please refer to the Graduate Catalog.

## Admission Requirements

Prior to registering for the 400 level special education courses, all applicants for the BA/BS Special Education/Human Exceptionality majors must complete SPED 270, SPED g330, and SPED g334 with a 2.75 or better gpa and be approved by a faculty screening committee. Preference for admission to and continuation in the program will be given to applicants who submit and maintain a 2.75 or better overall gpa. (Special Education majors must also meet the requirements for general teacher education.)

## Bachelor of Arts or Bachelor of Science in Human Exceptionality

The Bachelor of Arts or Bachelor of Science in Human Exceptionality is a nonteaching major designed for students who are planning to pursue a master's degree in a related field. The following courses are required in addition to the General Education Requirements for the B.A. or B.S. degree:

### Core Courses:

SPED 270	Field Work in Special Education	2 cr
SPED g330	The Exceptional Child	3 cr
SPED g334	Classroom Behavior Management	3 cr
SPED g423	Designing Instruction	3 cr
SPED g424	Assessment Procedures in Special Education	3 cr
SPED g427	Precision Teaching	1 cr
SPED g432	Direct Instruction Systems	3 cr
SPED g438	Policies and Procedures in Special Education	3 cr
SPED g446	Secondary Special Education	3 cr

### Emphasis Areas

Core courses shall be complemented by specialization in either Behavior Disorders

or Severe Disabilities and appropriate electives.

### Behavior Disorders

#### Required Courses:

SPED g433	The Emotionally Disturbed Child	2 cr
SPED g443	Autism	2 cr
SPED g450	Creating Inclusive Classrooms	3 cr
SPED g462	Seminar: Behavior Disorders	1 cr
SPED g481	Advanced Issues in Behavior Disorders	2 cr

Plus electives chosen from the following to total a minimum of 40 credits:

PSYC 225	Child Psychology (elementary emphasis)	3 cr
	OR	
PSYC 332	Psychology of Adolescence (secondary emphasis)	3 cr
PSYC g445	Psychology of Learning	3 cr
SOC 231	Juvenile Delinquency	3 cr
SPA 205	Introduction to Communication Disorders	3 cr
SPED g448	Pre-Practicum, Moderately Handicapped	1-3 cr
SPED g480	Seminar in Special Education	1 cr
SPED g498	Advanced Field Work	1-3 cr

### Severe Disabilities

#### Required Courses:

SPED g426	Assessment: Severe Disabilities	3 cr
SPED g429	Strategies: Severe Disabilities	3 cr
SPED g440	Biomedical Aspects of Physical Disability	2 cr
SPED g443	Autism	2 cr
SPED g450	Creating Inclusive Classes	3 cr

Plus electives chosen from the following to total a minimum of 40 credits:

PSYC 225	Child Psychology (elementary emphasis)	3 cr
	OR	
PSYC 332	Psychology of Adolescence (secondary emphasis)	3 cr
SPA 205	Introduction to Communication Disorders	3 cr
SPA 327	Sign Language I	2 cr
SPED g400	Foundations of Early Childhood Special Education	3 cr
SPED g448	Pre-Practicum, Moderately Handicapped	1-3 cr
SPED g480	Seminar in Special Education	1 cr
SPED g498	Advanced Field Work	1-3 cr

## Special Education Courses

**SPED 270 Field Work in Special Education 2 credits.** Teaching and observation experiences in clinics, classrooms, and child development centers which provide services for children who are emotionally disturbed, mentally retarded, or who have learning disabilities. F, S

**SPED g330 The Exceptional Child 3 credits.** Covers eight essential areas of exceptionality, with detailed involvement in appraising stated nomenclatures for each area. Each area is studied on the dimensions of etiology, identification and labeling, characteristics, educational treatment, and prognosis for adjustment. Consideration also given toward structuring suitable educational programs applicable for each area. F, Su

**SPED g334 Classroom Behavior Management 3 credits.** Emphasizes the practical application of reinforcement learning models and theory to classroom and other settings. PREREQ OR COREQ: SPED g330. F, S

**SPED g423 Designing Instruction 3 credits.** Introduction to instructional design principles and strategies for engaging students in higher order thinking and problem-solving. Emphasis on teaching complex concepts in reading comprehension, writing, mathematics and other academic subjects. PREREQ: PERMISSION OF INSTRUCTOR. F

**SPED g424 Assessment Procedures in Special Education 3 credits.** Introductory study of diagnostic assessment techniques and the writing of individual educational and behavioral prescriptions and instructional objectives which are required to provide interventions suitable for remediating the learning problems in basic school curricula. PREREQ OR CONCURRENT: SPED g330 AND SPED g334 OR PERMISSION OF INSTRUCTOR. F

**SPED g426 Assessment: Severe Disabilities 3 credits.** Selection, administration, and interpretation of criterion-referenced tools employed with severely disabled students. Emphasizes functional approach to assessment and evaluation of behavioral and instructional domains. PREREQ: PERMISSION OF INSTRUCTOR. AF

**SPED g427 Precision Teaching 1 credit.** Techniques of data collection, charting, and decision making in the educational programs of children with disabilities. PREREQ: PERMISSION OF INSTRUCTOR. S

**SPED g429 Strategies: Severe Disabilities 3 credits.** Consideration and evaluation of curriculum materials from behavioral, developmental, and ecological perspectives. Emphasizes functional approach to development and implementation of individualized intervention plans. PREREQ: PERMISSION OF INSTRUCTOR. AS

**SPED g432 Direct Instruction Systems 3 credits.** Provides mastery level skills training in direct instruction systems for reading, math, and written language. Includes field work, adaptation of curricula to direct instruction model and evaluation. PREREQ: PERMISSION OF INSTRUCTOR. F, S

**SPED g433 The Emotionally Disturbed Child 2 credits.** Survey of the causes of emotional disturbance in children and the effects upon the child's school performance and achievement. School programs and treatment considerations will be reviewed. F

**SPED g436 Art for the Handicapped 2 credits.** Adaptation of traditional art methods to meet the unique needs of handicapped children. Emphasis on hands-on work with mentally and physically handicapped children. D

**SPED g438 Policies and Procedures in Special Education 3 credits.** Consideration of legal background, current court rulings, professional responsibilities, and models for consultation and collaboration in a variety of educational settings. Includes the IEP process. PREREQ: PERMISSION OF INSTRUCTOR. S

**SPED g440 Biomedical Aspects of Physical Disability 2 credits.** Study of the causes, treatments, and educational implications of physical and neurological disorders of genetically and orthopedically disabled children. PREREQ: PERMISSION OF INSTRUCTOR. S

**SPED g443 Autism 2 credits.** SPED g443 Autism 2 credits. An overview of autism and implications for educational planning. Teaching strategies that are successful in working with individuals who have autism will be reviewed. AF

**SPED g446 Secondary Special Education 3 credits.** Teaching methodology focusing on needs of secondary and adult special education students. Topics include functional academics, transition, independent living, social skills, vocational training, employment options, and accessing community resources. PREREQ: PERMISSION OF INSTRUCTOR. S

**SPED g448 Pre-Practicum, Moderately Handicapped 1-3 credits.** Supervised practical work with moderately handicapped children in a clinical setting. PREREQ: PERMISSION OF INSTRUCTOR. F, S

**SPED g450 Creating Inclusive Classes 3 credits.** Curricula and methods for educating students with disabilities in general education classrooms. Emphasizes inclusive lesson design, curricular adaptations, and collaborative teaching. R1

**SPED g462 Seminar: Behavior Disorders 1 credits.** Topical issues related to the education of children with behavior disorders in a variety of educational and therapeutic settings. PREREQ: PERMISSION OF INSTRUCTOR. D

**SPED g480 Seminar in Special Education 1 credit.** Current topics in the field of special education presented by departmental faculty and guest lecturers. May be repeated for a total of 2 credits. Graded S/U. F, S

**SPED g481 Advanced Issues in Behavior Disorders 2 credits.** Educational organization, collaboration and consultation skills necessary to provide cooperation between the schools and other community agencies that provide integrated service for this exceptionality. PREREQ: PERMISSION OF INSTRUCTOR. AF

**SPED g485 Independent Problems 1-2 credits.** Individual work under staff guidance. Field and/or library research on specific educational problems of interest to majors in education. Experience in research composition. PREREQ: PERMISSION OF INSTRUCTOR. D

**SPED g491 Seminar 1-3 credits.** Critical analysis of the literature in one or more areas of education. Limited enrollment. PREREQ: PERMISSION OF INSTRUCTOR. May be graded S/U. F, S, Su

**SPED 495 Special Education: Student Teaching 7-14 credits.** Students assume instructional and management responsibilities in a supervised K-12 resource room or special education setting. Full semester for 14 credits; half semester 7 credits. PREREQ: SPECIAL EDUCATION METHODS CORE AND APPROVED APPLICATION. F, S

**SPED g498 Advanced Field Work 1-3 credits.** Orientation, observation, planning and implementation of special education instruction in a special education setting in the public schools. PREREQ: PERMISSION OF INSTRUCTOR. D

## Department of Human Resource Training and Development

John Bobell, Ed.D., Department Chair

This department offers professional courses to prepare students for bachelor's degrees in Corporate Training and Vocational Teacher Education. A master's degree in Human Resource Training and Development Occupational Training Management with options in Vocational Program Management and Industrial Training Management is offered. Masters degree programs are described in the Graduate Catalog.

# Bachelor of Science in Vocational Teacher Education and Bachelor of Science in Corporate Training

## Field of Specialization

Students enrolled in either major must possess a technical specialization in at least one occupational area such as agriculture mechanics, aircraft mechanics, air conditioning, auto body repair, auto mechanics, auto parts distribution, business equipment repair, civil technology, construction, cosmetology, data processing technology, dental assistance, diesel mechanics, drafting and design technology, electrical technology, electronics technology, fire technology, food service, graphic arts, health occupations, health physics, law enforcement and security, machine shop, merchandising, millwright mechanics, nuclear technology, secretarial occupations, small gasoline engine repair, upholstery, water/waste treatment, welding or other recognized fields of specialization offered in a post-secondary vocational-technical system, or in employee training programs in business and industry.

## Credit Requirements

Credit toward the B.S. in Vocational Teacher Education must be earned in four specific areas:

1. Work experience—Up to 50 credits may be granted for occupational competency based on a combination of experience and education (32 credit maximum for work experience, 18 credit maximum for technical education.) A minimum of five years of documented full-time occupational experience in a field of specialization (as previously described) is mandatory. A maximum of 24 months of vocational-technical, proprietary, or military education successfully completed in an approved/approvable program may

be applied toward the Technical Education equivalency credit option. All applicable work experience and education must be documented, verified, and evaluated by a review committee prior to granting of credit. The credit granted may be applied toward the vocational teacher education or corporate training majors only.

2. General education university requirements for a B.S. degree (see General Education Requirements section of catalog).
3. Vocational teacher education or corporate training coursework, 40 credits minimum (see requirements).
4. Practicum—A practicum in teaching/training in approved/approvable secondary or post-secondary vocational-technical or industry training program must be completed. Practicum sites must be approved by the practicum coordinator within the Department of Human Resource Training and Development and the cooperating school or industry administrator. Supervision of the practicum is conducted through the Department of Human Resource Training and Development and the cooperating school or employer. Credit requirements are noted in the following information. The practicum requirement may be waived for experienced teachers/trainers based on evaluation of experience and a recommendation of the individual's employer. The credit requirement is not waived and must be obtained through other approved coursework.

## Course Requirements

Vocational Teacher Education majors and Corporate Training majors must complete the University General Education Requirements for the B.S. degree. These requirements are listed in the section of catalog titled Graduation Requirements, General Education Requirements and Academic Regulations. Transfer policy, alternate means to satisfy General Education Requirements, and general education and major field requirements, as listed in the Graduation Requirements section, also apply to these majors.

Professional Education 40 credit hours minimum.

## Major in Vocational Teacher Education

The Bachelor of Science degree in Vocational Teacher Education prepares persons

for instructional responsibilities in vocational education, industrial training, and other related fields. The program includes content applicable to State of Idaho standards for vocational teachers (Idaho Certification Standards for Professional School Personnel, revised 1988, Idaho State Board of Education). Vocational Teacher Education emphasizes teaching in public and proprietary schools. For more information, contact the VTE/CT/OTM program area leader.

## Minimum Degree Requirements

General Education requirements for a B.S. Degree (minimum)	31 cr
VTE major coursework and electives (minimum)	40 cr
Field of specialization (work experience) VTE 210/310	32 cr
Technical specialization and/or minor field of study (minimum)	18 cr
University graduation requirements (minimum)	128 cr

## Vocational Teacher Education Required Courses

CT g457	Methods of Teaching Adults	3 cr
CFS 200	Human Growth and Development	2 cr
VED g401	Foundations of Occupational Education	3 cr
VTE g402	Occupational Analysis and Course Construction	3 cr
VTE g403	Occupational Education Methods	3 cr
VED g444	Guidance and Special Needs Concepts for Vocational Education	3 cr
VTE g464	Instructional Facilities Management	3 cr
VTE 467	VTE Practicum: Student Teaching	3-8 cr
VED g468	Techniques of Teaching Cooperative Education	3 cr

## Vocational Teacher Education Electives

To be designed with academic advisor 7-14 cr

## Major in Corporate Training

The Bachelor of Science degree in Corporate Training prepares the student to analyze, design, develop, implement, and evaluate training within the dynamic and diversified corporate structures of today's public and private business and industry. The degree has been designed to recognize current competencies of the experienced individual. Flexibility is designed into the delivery system and sequencing of courses. For more information, contact the VTE/CT/OTM program area leader.

## Minimum Degree Requirements

General education requirements for a B.S. degree (minimum)	31 cr
CT major coursework and electives (minimum)	40 cr
Field of specialization (work experience)	
VTE 210/310	32 cr
Technical specialization and/or minor field of study (minimum)	18 cr
University graduation requirements (minimum)	128 cr

## Corporate Training Required Courses

CT g431	Supervision and Human Relations in Occupational Education	3 cr
CT 457	Methods of Teaching Adults	3 cr
CT 465	Practicum: Industry Training	1-3 cr
CFS 200	Human Growth and Development	2 cr
VED g401	Foundations of Occupational Education	3 cr
VTE g402	Occupational Analysis and Course Construction	3 cr
VTE g403	Occupational Education Methods	3 cr
VTE g464	Instructional Facilities Management	3 cr
VED 450	Foundations of Adult Education	3 cr

## Corporate Training Electives

To be designed with academic advisor 10-13 cr

## Corporate Training Courses

**CT g431 Supervision and Human Relations in Occupational Training 3 credits.** Supervising in an occupational education/training setting. Study human relation factors, planning, evaluation, staff development, organization, and personnel policies/practices. PREREQ: OCCUPATIONAL TEACHING EXPERIENCE AND VED g401, OR PERMISSION OF INSTRUCTOR. D

**CT g457 Methods of Teaching Adults 3 credits.** This course is VED g455 with one additional hour of lecture each week on techniques of developing and delivering conferences and workshops. PREREQ: SAME AS VED g455. F, S

**CT 465 CT Practicum: Industry Training 1-3 credits.** Development of training competencies applicable to business and industry settings. Actual supervised participation as a trainer is required. Available only to persons whose employer participates in this program. Graded S/U. D

**CT g470 Occupational Training Methods 3 credits.** Teaching methods and techniques applicable to occupational training. Substitutes for VTE g403. Only available through Westinghouse Idaho Nuclear Company. COREQ: CT g471. D

**CT g471 Occupational Analysis and Course Construction 3 credits.** Analysis of occupations to determine required competencies to develop an instructional program. Substitutes for VTE g402. Only available through Westinghouse Idaho Nuclear Company. COREQ: CT g470. D

## Vocational Education Courses

**VED g401 Foundations of Occupational Education 3 credits.** Acquaints the student with the various aspects of occupational education and how it relates to other areas of education; provides a foundation for further professional development. D

**VED g404 Evaluation in Corporate Training and Human Resource Development 3 credits.** Examination of processes for designing and conducting program evaluations and performance evaluations for business and industry training programs. Includes the preparation, analysis, and interpretation of evaluation reports. D

**VED g405 Learning Styles Fundamentals 3 credits.** Examination of the research related to learning styles and implications for curriculum and instruction. Includes presentation of an eight-step approach for teaching pedagogical content. D

**VED g409 Professional Readings 1-3 credits.** Identification and investigation of conceptual ideas about the relationship of programs, trends, legislation, developments, and principles to the professional home economics environment. Analyze and summarize content and value of professional readings. PREREQ: PERMISSION OF INSTRUCTOR. F, S, Su

**VED g444 Guidance and Special Needs Concepts for Vocational Education 3 credits.** Examine career guiding concepts, specialist services, special needs legislation, abilities and inabilities (both mental and physical), job seeking skills, and information sources. PREREQ: VED g401 AND A TEACHING METHODS CLASS. D

**VED g445 Advanced Concepts for Special Needs 3 credits.** Develop competencies in modification of programs for teaching methods and communication skills used when working with special needs students in occupational program. Three hours lecture. D

**VED g450 Foundations of Adult Education 3 credits.** Provides an understanding of adult education as a field of academic inquiry and professional practice. Examines current and past trends and practices of adult learning. F, S

**VED g455 Methods of Teaching Adults 2 credits.** Study of the needs/interests of adults in occupational education. Methods, materials, media, and experiences in preparation for business, industry, and education. Two hours lecture. PREREQ: CFS 332, VTE g403, OR PERMISSION OF INSTRUCTOR. F, S

**VED g468 Techniques of Teaching Cooperative Education 3 credits.** Preparation for teaching cooperative vocational education. Topics: coordinating cooperative programs, occupational/job analysis, utilizing vocational advisory committees, and organizing and administering student organizations. Three hours lecture. S

## Vocational Teacher Education Courses

**VTE 210 Competency-Based Equivalency I 16 credits.** Credit, unique to the corporate training and vocational teacher education majors, for technical competence gained through verified employment evaluated by review committee. PREREQ: SOPHOMORE STANDING AND SIX REQUIRED CREDITS IN THE MAJOR. Graded S/U. F, S, Su

**VTE 220 Technical Education Equivalency 1-18 credits.** Credit, unique to the corporate training and vocational teacher education majors, for technical competence acquired through verified post-secondary vocational-technical, proprietary, or military education evaluated by review committee. Graded S/U. F, S, Su

**VTE 310 Competency-Based Equivalency II 16 credits.** Credit, unique to the corporate training and vocational teacher education majors, for technical competence gained through verified employment evaluated by review committee. PREREQ: SOPHOMORE STANDING AND SIX REQUIRED CREDITS IN THE MAJOR. Graded S/U. F, S, Su

**VTE 397 Professional Education Development 1-3 credits.** A course for the practicing occupational educator aimed at the development and improvement of educational skills. Various sections will have different subtitles. May be repeated up to four times. Graded S/U. D

**VTE g402 Occupational Analysis and Course Construction 3 credits.** Analysis of components of occupations to determine instructional content. Development of instructional materials based on performance objectives and competency identification. Examine available course materials. PREREQ: VED g401 OR PERMISSION OF INSTRUCTOR. F, S

**VTE g403 Occupational Education Methods 3 credits.** Teaching methods and techniques applicable to occupational education. PREREQ: VTE g402 OR PERMISSION OF INSTRUCTOR. F, S, Su

**VTE g420 Selected Topics 1-8 credits.** Examination and analysis of special topics for occupational education teachers/trainers. PREREQ: PERMISSION OF INSTRUCTOR. D

**VTE g461 Directed Studies 1-4 credits.** Individual work under staff guidance. Field research on specific occupational advances in technology. PREREQ: PERMISSION OF INSTRUCTOR. D

**VTE g464 Instructional Facilities Management 3 credits.** Organization, safety, and management of occupational education training facilities. An in-depth study of laboratory requirements and total facility planning. F, S

**VTE 467 VTE Practicum: Student Teaching 3-8 credits.** Development of teaching competencies applicable to vocational education settings at the secondary and post-secondary levels. Actual participation as an associate teacher is required. PREREQ: APPROVAL OF INSTRUCTOR. Graded S/U. D

**VTE g480 Advanced Technical Competency 1-4 credits.** Advanced occupational skills and knowledge obtained from modern practice in selected field. For experienced professionals seeking advanced techniques in specialized areas of vocational education. PREREQ: INTERMEDIATE LEVEL STUDY IN THE SPECIALTY. PERMISSION OF INSTRUCTOR. D

## Business Education

The business education major meets the standards for the business education endorsement for secondary teaching credential with vocational certification. The major is aimed at the secondary level, but anyone with the degree and three years work experience would be eligible for teaching at the post-secondary level. It is possible for graduates to work in business and industry in training capacities (corporate training) or in business related occupations outside education.

## Business Education Courses

**B ED 100 Electronic Keyboarding 1 credit.** Participants will learn the touch method of keyboarding for entering information into various types of equipment through the use of a typewriter-like keyboard and a ten-key pad. D

**B ED 102 Intermediate Keyboarding 3 credits.** Instruction in typing/formatting letters, tabulations, manuscripts, and business forms on typewriters and microcomputers. Skill building will be attained, utilizing microcomputers and appropriate software. Laboratory time will be in addition to formal class instruction. D

**B ED 310 Microcomputers in Business Education 3 credits.** An investigation into the role of microcomputers in the Business Education Curriculum. Basic concepts of computer applications in data base, spread sheet, word processing, keyboarding, and accounting will be covered. D

**B ED 320 Clerical Procedures 2 credits.** Instruction in telephone techniques, filing and retrieving, mail/communications, reprographics, technical services and information processing. Automatic typewriters and microcomputers with appropriate software will be utilized. Laboratory time will be in addition to formal class instruction. D

**B ED 330 Advanced Technology in Business Education 3 credits.** Designed to prepare potential business educators with respect to the latest technological advances and microcomputer applications as they relate to the secondary business education curriculum.

**B ED 332 Methods in Business Education 3 credits.** Designed to prepare the potential business education teacher with the necessary methodology to successfully teach business education courses at the secondary level. D

**B ED 396 Work Experience in Business Occupations 1-2 credits.** Credits awarded for work experience as verified by written/performance evaluation. Graded S/U. D

**B ED g485 Independent Study in Business Education 1-3 credits.** Individual work under staff guidance on areas of concern in business education. PREREQ: PERMISSION OF INSTRUCTOR. D

## Department of Sport Sciences, Physical Education and Dance

Mike Lester, Ed.D., Chair

This department offers undergraduate majors and minors in physical education and a minor in dance. Students not seeking teaching certification may be exempted from secondary requirements, but must fulfill all department and university requirements for the Bachelor of Arts or Bachelor of Science degree. A wide selection of activity courses is available to meet individual student needs and satisfy elective requirements for those wishing a well-rounded program. Students may apply up to eight hours of activity classes in a degree program.

Contained within Reed Gymnasium are the Office of Campus Recreation and Intramurals and the Center for Fitness and Wellness. The Reed Gymnasium complex is open for student use more than 100 hours per week for student recreation purposes. Within that time span is a well-organized program of intramurals, designed to meet the needs of a diverse student body. Men's, women's, and coed programs are available in more than 25 activities.

## Bachelor of Arts or Bachelor of Science in Physical Education

### Admission to Program

Admission to a major or minor in physical education is based on the successful completion of the following:

1. Completion of the following courses:

PE 221\* History and Philosophy of Physical Education 2 cr  
 \*(Prerequisites—Aerobics: PEAC 130 (Aquacize) OR PEAC 131A OR 131B (Aerobics) OR PEAC 133 (Jogging/Fitness); Golf: PEAC 142A OR 142B; Tennis: PEAC 151A OR 151B; and Swimming: PEAC 170A OR 170B)

2. Completion of the following General Education Goals: 1, 2, 3, 4, 6, (PE 201), and 12.

3. Overall GPA of 2.5.

4. GPA of 2.5 in Professional Physical Education or Dance courses.

5. No grades below "C" in Professional Physical Education or Dance courses.

6. Enrollment in P E 292 Leadership Practicum for a minimum of one credit.

7. Student portfolio initiation.

8. Faculty review and recommendation of students for admission to the Physical Education and Dance program based upon successful completion of the above requirements.

Students must make formal application for full admission to the Physical Education and Dance program. Application forms are available in the Physical Education and Dance office. Students may not register for upper division courses until admittance to the Physical Education and Dance program is achieved.

## Graduation Requirements:

In order to graduate from the Physical Education and Dance Program as a major/minor, the following requirements must be successfully completed\*:

1. All 300/400 courses for the major or minor.
2. Minimum grade of "C" in professional courses.
3. Subsequent enrollment in P E 292 Leadership Practicum for a minimum of one additional credit.
4. Completion of written philosophy for physical education and dance.
5. Minimum cumulative GPA of 2.75.
6. Minimum GPA of 2.75 in the major/minor.
7. Completion of student portfolio.

\*Transfer students and change of major/minor students will be allowed to enroll in 6 credits of upper division courses while completing Phase 1 requirements. Two semesters will be allowed to complete deficiencies.

## Denial of Admission to the Physical Education and Dance Major/Minor Program

Students who have been denied full admission to the Physical Education and Dance program may reapply; however, they must meet the standards for admission in place at the time of their reapplication to attain full admission.

## Major in Physical Education

The following courses are required in addition to the General Education Requirements for the B.A. or B.S. degree:

PE 221	History and Philosophy of Physical Education	2 cr
PE 231*	Activity Laboratory - Field and Court	1 cr
PE 232*	Activity Laboratory - Outdoor Skills	1 cr
PE 233*	Activity Laboratory - Individual and Recreation	1 cr
PE 234*	Activity Laboratory - Dance	1 cr
PE 243	Anatomical Foundations of Human Activity	2 cr
PE 270	Motor Learning	1 cr
PE 292	Leadership Practicum (above course to be taken twice)	1 cr
PE 301	Physiology of Exercise	4 cr
PE 302	Human Kinesiology	4 cr
PE 322	Psychology of Sport	3 cr

P E g362	Tests and Measurements in Physical Education	2 cr
P E 437	Methods of Teaching Physical Education	2 cr
P E g475	Management of Physical Education	3 cr
P E g494	Special Physical Activity	3 cr
		Total 32 cr

IN ADDITION: Student must present a current Red Cross First Aid Card to advisor or complete H E 205, First Aid and Safety. (Completion of above courses satisfies requirements for a minor.)

\**PREREQ. FOR P E 231, P E 232, P E 233, P E 234: Aerobics: PEAC 130 (Aquacize) OR PEAC 131A OR 131B (Aerobics) OR PEAC 133 (Jogging/Fitness); Golf: PEAC 142A OR 142B; Tennis: PEAC 151A OR 151B; Swimming: PEAC 170A or 170B*

Plus 2 elective credits from any of the Emphasis areas listed below:

## Emphasis Areas

The following areas of emphasis are available: Activity Performance; Dance; Athletic Coaching; and Fitness Leadership.

### Activity Performance

P E 300	Movement Theory	2 cr
P E 259	Lifeguarding	2 cr
P E 358	Water Safety Instructor's Course	3 cr
In addition:	Approved electives	3 cr

### Dance

P E 201	Survey of Dance	3 cr
P E 260	Methods of Dance for Children	2 cr
P E 300	Movement Theory	2 cr
P E 367	Methods and Techniques of Dance	3 cr
In addition:	Approved electives	2 cr

### Athletic Coaching

P E 300	Movement Theory	2 cr
P E g470	Care and Prevention of Athletic Injuries	2 cr
Select one from P E 312-319 listed below:		
P E 312	Practical Applications of Coaching Baseball/Softball	2 cr
P E 313	Practical Applications of Coaching Basketball	2 cr
P E 314	Practical Applications of Coaching Football	2 cr
P E 315	Practical Applications of Coaching Soccer	2 cr
P E 316	Practical Applications of Coaching Tennis	2 cr
P E 317	Practical Applications of Coaching Track and Field	2 cr
P E 318	Practical Applications of Coaching Volleyball	2 cr
P E 319	Practical Applications of Coaching Wrestling	2 cr
In addition:	Approved electives	2 cr

### Fitness Leadership

CFS 239	Nutrition	3 cr
H E g401	Issues in Health and Wellness	4 cr
In addition:	Approved electives	2 cr

## Minor in Coaching

To be eligible for the Coaching minor, students must complete the required courses, and be able to show satisfactory completion of ASEP sport science, *and* one of the following:

- 1) ASEP sport first aid
- 2) HE 205
- 3) American Red Cross Community First Aid and Safety

Current physical education majors and minors are *not* eligible for this minor.

## Required Courses

PE 270	Motor Learning	1 cr
PE 301	Physiology of Exercise	4 cr
PE 301L	Physiology of Exercise Lab	0 cr
PE 302	Human Kinesiology	4 cr
PE 302L	Human Kinesiology Lab	0 cr
Select from P E 312-319 listed below:		
PE 312	Practical Applications of Coaching Baseball/Softball	2 cr
PE 313	Practical Applications of Coaching Basketball	2 cr
PE 314	Practical Applications of Coaching Football	2 cr
PE 315	Practical Applications of Coaching Soccer	2 cr
PE 316	Practical Applications of Coaching Tennis	2 cr
PE 317	Practical Applications of Coaching Track and Field	2 cr
PE 318	Practical Applications of Coaching Volleyball	2 cr
PE 319	Practical Applications of Coaching Wrestling	2 cr
PE 322	Psychology of Sport	3 cr
PE 470	Care and Prevention of Athletic Injuries	2 cr
PE 480	Coaching Problems	2 cr
		Total 18 cr

## Minor in Dance

The Dance minor may be taken by any university student. Courses are especially designed to meet needs of students in Physical Education, Elementary Education, Theatre, and other arts as well as private dance studio teachers.

## Required Courses

PE 201	Survey of Dance	3 cr
PE 243	Anatomical Foundations of Human Activity	2 cr
PE 260	Methods of Dance for Children	2 cr
PE 367	Methods and Techniques of Dance	3 cr
PE 401	Issues in Dance	2 cr
PE 431	Choreography	3 cr
		Approved electives in Dance Activities 3 cr
		Approved electives from Art, PE, Management, Music, Communication/Theatre 3 cr
		Total 21 cr

## Dance Activities Electives

PEAC 110A OR B Ballet	1 cr
PEAC 111A OR B Ballroom Dance	1 cr
PEAC 112A OR B Jazz	1 cr
PEAC 113A, B OR C Modern Dance	1 cr
PEAC 115 Folk and Square Dance	1 cr
PEAC 114A OR B Tap/Clog	1 cr
PE 147 DANSON-ISU Danscompany	1 cr

## Approved Electives

Students may select a total of 3 credits from one or more of the following areas:

### Physical Education and Dance

PE 270	Motor Learning	1 cr
PE 300	Movement Theory	2 cr
PE 302	Human Kinesiology	4 cr
HE 340	Fitness and Wellness Programs	3 cr
PE g470	Care and Prevention of Athletic Injuries	2 cr
PE g494	Special Physical Activity	3 cr

### Art and Architecture

ART 100	Survey of Art	3 cr
ART 103	Creative Process	3 cr
ART 105	Drawing I	3 cr

### Management

MGT 215	Small Business Management	3 cr
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### Music

MUSC 102	Elements of Music	2 cr
MUSC 106	American Music	3 cr

### Communication and Theatre

THEA 101	Appreciation of Drama	3 cr
THEA 251	Beginning Acting	3 cr
THEA 209	Stage Lighting	2 cr

## Activity Courses in Physical Education

**PEAC 100 Adaptive Martial Arts 1 credit.** Adaptive and corrective exercise programs in the martial arts (including judo and tae kwondo) designed for individuals unable to participate in a regular activity class. F, S

**PEAC 101 Adaptive Snow Skiing 1 credit.** Adaptive and corrective exercise program in snowskiing designed for individuals unable to participate in a regular activity class. Su

**PEAC 102 Adaptive Waterskiing 1 credit.** Adaptive and corrective exercise program in waterskiing designed for individuals unable to participate in a regular activity class. S

**PEAC 103 Adaptive Swimming 1 credit.** Adaptive and corrective exercise programs in aquatics designed for individuals unable to participate in a regular activity class. Su

**PEAC 104 Adaptive Weight Training 1 credit.** Adaptive and corrective exercise programs in progressive body building and conditioning exercises designed for individuals unable to participate in a regular activity class. F, S

**PEAC 107 Instructor Training of Adapted Waterskiing 1 credit.** Methods and techniques of teaching waterskiing to people with disabilities. Su

**PEAC 108 Instructor Training of Adapted Snowskiing 1 credit.** Methods and techniques of teaching snowskiing to people with disabilities. S

**PEAC 109 Instructor Training of Adapted Sport 1 credit.** Methods and techniques of teaching a variety of sport skills to people with disabilities. F, S

**PEAC 110A Beginning Ballet Dance 1 credit.** Beginning techniques at the barre, center floor, and movement combinations. Patterns taught by instructor and created by students are performed for class members and end of semester informal presentation. F, S

**PEAC 110B Intermediate Ballet Dance 1 credit.** Intermediate techniques at the barre, center floor, and movement combinations. Patterns taught by instructor and created by students are performed for class members and end of semester informal presentation.

**PEAC 111A Beginning Ballroom Dance 1 credit.** Beginning techniques in two-step, Fox Trot, Waltz, Polka, Cha Cha Cha, Swing, and others. Taught at beginning skill level along with partnering, appropriate dress, proper etiquette. Informal performance opportunities available. F

**PEAC 111B Intermediate Ballroom Dance 1 credit.** Intermediate techniques in two-step, Fox Trot, Waltz, Polka, Cha Cha Cha, Swing, and others. Taught at intermediate skill level along with partnering, appropriate dress, proper etiquette. Informal performance opportunities available. D

**PEAC 112A Beginning Jazz Dance 1 credit.** Techniques taught at beginning skill level (combines ballet, modern dance, and tap). Patterns taught by instructor and created by students are performed for class members and end of semester informal presentation. F, S

**PEAC 112B Intermediate Jazz Dance 1 credit.** Techniques taught at intermediate skill level (combines ballet, modern dance, and tap). Patterns taught by instructor and created by students are performed for class members and end of semester informal presentation. D

**PEAC 113A Beginning Modern Dance 1 credit.** Techniques in warm ups, nonlocomotor/locomotor movements, and combinations taught at beginning level. Students create studies to express own thoughts, ideas, feelings; present to class and end of semester informal presentation.

**PEAC 113B Intermediate Modern Dance 1 credit.** Techniques in warm ups, nonlocomotor/locomotor movements, and combinations taught at intermediate level. Students create studies to express own thoughts, ideas, feelings; present to class and end of semester informal presentation. F

**PEAC 113C Advanced Modern Dance 1 credit.** Techniques in warm ups, nonlocomotor/locomotor movements, and combinations taught at advanced level. Students create studies to express own thoughts, ideas, feelings; present to class and end of semester informal presentation. D

**PEAC 114A Beginning Tap/Clog Dance 1 credit.** Techniques and combinations taught at beginning level. Patterns taught by instructor and created by students are performed for class members and end of semester informal presentation. F, S

**PEAC 114B Intermediate Tap/Clog Dance 1 credit.** Techniques and combinations taught at intermediate level. Patterns taught by instructor and created by students are performed for class members and end of semester informal presentation. D

**PEAC 115 Folk/Square Dance 1 credit.** Steps/combinations taught at various skill levels. Folk dances from around the world, square dances from America are included. Informal performance at end of semester. D

**PEAC 116 Line Dance 1 credit.** Steps, combinations, and a variety of dances are taught at various skill levels. No partner required. Dances such as "Slappin' Leather," "Boot Scootin' Boogie," "Alley Cat," plus new dances are included. D

**PEAC 118 Wilderness Survival Skills 1 credit.** Designed to provide students with knowledge and skills necessary to survive a 72-hour emergency (summer and fall seasons). Includes signaling, shelter building, hypothermia, survival kits, fire building, direction finding and desert hazards. F

**PEAC 130 Aquacise 1 credit.** Techniques of water exercises for physical conditioning. Physiological self-assessments and water safety will be covered. F, S

**PEAC 131A Beginning Aerobics 1 credit.** Introduction to elementary techniques and modalities of aerobic exercise. Physiological self-assessments and safety will be covered. F, S

**PEAC 131B Intermediate Aerobics 1 credit.** Continuation of elementary techniques, and introduction to more strenuous aerobic exercise for the intermediate level student. Physiological self-assessments, safety, and training benefits of a variety of modalities are covered. F, S

**PEAC 131C Advanced Aerobics 1 credit.** High-level aerobic techniques and modalities designed for the advanced student. More advanced physiological self-assessments and discussion of a variety of modalities will be covered. D

**PEAC 132 Individualized Physical Education 1 credit.** Introduction to lifetime fitness programming components with individually-designed programs. Physiological self-assessments, safety, and equipment are covered. F, S

**PEAC 133 Jogging/Personal Fitness 1 credit.** Fitness-oriented course, designed for students who wish to maintain or increase their present fitness level. Physiological self-assessments and safety are covered. F, S

**PEAC 134A Beginning Weight Training 1 credit.** Instruction and participation in fundamentals of progressive body-building and conditioning with resistance, including various modalities. Physiological self-assessments and safety will be covered. D, S, Su

**PEAC 131B Intermediate Weight Training 1 credit.** Instruction and participation in fundamentals of progressive body-building and conditioning with resistance, including various modalities. Designed for the intermediate lifter. F, S

**PEAC 139A Beginning Fencing 1 credit.** Introduction to the basic skills of foil fencing including equipment, grip, salute, on-guard, advance, retreat, lunge, and defense. Includes safety concerns, basic strategies, and rules. F, S

**PEAC 139B Intermediate Fencing 1 credit.** Continuation and expansion of the basic skills included in the beginning course with the addition of parries, engagements, and advanced attacks. Also includes advanced strategies. F, S

**PEAC 140A Beginning Billiards 1 credit.** Introduction to the fundamental skills involved in billiards: technique, game play, scoring, and etiquette. F, S

**PEAC 140B Intermediate Billiards 1 credit.** Designed for the intermediate level player; this course explores a variety of more advanced shots and strategies. F, S

**PEAC 141A Fundamentals of Bowling 1 credit.** Introduction to fundamental skills, scorekeeping, handicaps, and rules of bowling. F, S

**PEAC 141B Intermediate Bowling 1 credit.** Designed for the intermediate level bowler, this course builds upon the skills and knowledges of the fundamentals course. F, S

**PEAC 141C Advanced Team Bowling 1 credit.** Introduction to more advanced individual techniques and skill assessment and corrections for bowling. F, S

**PEAC 142A Beginning Golf 1 credit.** Fundamental philosophies and techniques of golf, including grip, use of irons, woods, and putter, and etiquette. F, S, Su

**PEAC 142B Intermediate Golf 1 credit.** Designed for the intermediate golfer, this course builds on the acquisition of skill in the fundamental strokes; etiquette; and more advanced reading of the course. F, S, Su

**PEAC 143A Beginning Judo 1 credit.** Rudimentary principles and philosophies of judo, including the techniques of grappling, throwing and falling. F, S

**PEAC 143B Intermediate Judo 1 credit.** A continuation of fundamental judo skills and philosophies for intermediate-skilled students, including basics of some advanced skills. F, S

**PEAC 143C Advanced Judo 1 credit.** A refinement of fundamental judo skills and philosophies for advanced-skilled students, including advanced techniques of throwing, grappling, and falling. F, S

**PEAC 144 Tae Kwon-do 1 credit.** Presentation of principles and philosophies of Tae Kwon-do, a Korean form of karate meant for energy conservation in self-defense technique. F, S

**PEAC 145 Rodeo 1 credit.** An orientation to the safety and techniques of the various events of the modern-day rodeo. F, S

**PEAC 146 Archery 1 credit.** Introduction to equipment, technique, and safety practices of archery. D

**PEAC 148A Beginning Women's Judo 1 credit.** Introduction to methods and techniques of judo for women. Includes a variety of holding and throwing techniques. Rules, safety considerations, and the philosophy of judo are emphasized. D

**PEAC 150A Beginning Racquetball 1 credit.** Introduction to fundamentals of technique, strategy, and safety in the game of racquetball. F, S

**PEAC 150B Intermediate Racquetball 1 credit.** Continuation of basic skills and fundamental strategies for the intermediate level racquetball player. F, S

**PEAC 150C Advanced Racquetball 1 credit.** Refinement of skills, techniques, and strategies for the advanced level racquetball player. D

**PEAC 151A Beginning Tennis 1 credit.** Rudimentary principles and techniques of tennis, including basic shot selection, conditioning, drill works, and game play. F, S, Su

**PEAC 151B Intermediate Tennis 1 credit.** A continuation of fundamental tennis skills and principles for intermediate-skilled students, including an introduction to some advanced skills. F, S

**PEAC 151C Advanced Tennis 1 credit.** Refinement of skills, techniques, and strategies for the advanced level player. D

**PEAC 152A Beginning Badminton 1 credit.** Introduction to basic skills, game play, and strategies in the game of badminton. D

**PEAC 152B Intermediate Badminton 1 credit.** Continuation of skill refinement, more advanced game play, and strategies for the intermediate player. D

**PEAC 152C Advanced Badminton 1 credit.** Refinement of fundamental skills, more advanced game play, and strategies for the advanced player. D

**PEAC 155A Beginning Soccer 1 credit.** Introduction to basic individual and team soccer skills, including dribbling, shooting, and offensive and defensive techniques and strategies. S

**PEAC 155B Intermediate Soccer 1 credit.** Continuation of fundamental team and individual skill acquisition, and introduction of more advanced techniques and strategies. D.

**PEAC 156A Beginning Basketball 1 credit.** Fundamental individual and team techniques, strategies, and play. F, S

**PEAC 156B Intermediate Basketball 1 credit.** More advanced individual and team techniques, strategies and play for intermediate level players. F, S

**PEAC 157A Beginning Volleyball 1 credit.** Introduction to fundamental individual and team skills, strategies, and play for beginning level volleyball players. S

**PEAC 157B Intermediate Volleyball 1 credit.** More advanced individual and team skills, strategies, and play for intermediate level volleyball players. S

**PEAC 158 Softball 1 credit.** Introduction to fundamental skills, and refinement of more advanced skills, for individual and team techniques, strategies, and play in softball. F, S

**PEAC 160A Beginning Skiing 1 credit.** Fundamental techniques, etiquette, training, safety practices and skill practice in downhill skiing for beginners. S

**PEAC 160B Intermediate Skiing 1 credit.** For intermediate level skiers, an emphasis on safety practices, etiquette, more advanced techniques, training, and skill practice. S

**PEAC 160C Advanced Skiing 1 credit.** Intended for advanced skiers, this course emphasizes high-level skill acquisition, training, safety, ski etiquette, and skill practice. S

**PEAC 161A Beginning Night Skiing 1 credit.** Skill acquisition and safety practices for beginners who wish to ski at night. S

**PEAC 162A Beginning Snowboarding 1 credit.** Introduction to snowboarding, including selection of equipment, safety practices, etiquette, and techniques. S

**PEAC 162B Intermediate Snowboarding 1 credit.** Designed for the experienced snowboarder. A continuation of the basic skills and techniques included in the beginning course. S

**PEAC 170A Beginning Swimming 1 credit.** Introduction to propulsive movement skills in the water; includes safety, front crawl, and elementary backstroke. F, S

**PEAC 170B Intermediate Swimming 1 credit.** Refinement of beginning skills; includes an introduction to breaststroke, intermediate level safety, basic diving technique, back crawl, and sidestroke. F, S

**PEAC 170C Advanced Swimming 1 credit.** Refinement of previous strokes; includes introduction to butterfly, inverted breaststroke, the trudgen, and overarm sidestroke. D

**PEAC 171 Synchronized Swimming 1 credit.** An orientation to the fundamentals of the Olympic sport of individual and team synchronized swimming, including tricks, presentation, and basic to advanced skills. D

**PEAC 172 SCUBA Diving 1 credit.** Basic skills in SCUBA diving; mask, fins, snorkel use; safety techniques; mechanical equipment use; aquatic environments. Students

must: swim 400 yards; tread water 15 minutes; carry ten pound brick 25 yards. No certification. F, S

**PEAC 173 Skin and SCUBA Diving Certification 2 credits.** Skills in SCUBA: mask, fins, and snorkel use; safety techniques; mechanical equipment use; aquatic environments. Students must: swim 400 yards; tread water 15 minutes; carry ten pound brick 25 yards. Certification possible. F, S

**PEAC 175A Beginning Kayaking 1 credit.** Uses controlled environment of ISU pool and includes basic skills including draw and sculling strokes, high and low bracing, eddy turns, deep water rescue techniques, river safety, and Eskimo roll. F, S

**PEAC 175B Intermediate Kayaking 1 credit.** Utilizes both indoor pool sessions and actual river experiences to build upon the foundation established in the beginning course. Refinement of paddle strokes and rolling technique. F, S

**PEAC 175C Advanced Kayaking 1 credit.** Advanced techniques of kayaking on a variety of actual river experiences. Includes route planning, surfing, reading whitewater and river safety. D

**PEAC 176A Beginning Rock Climbing 1 credit.** Designed for students with little or no climbing experience, this outdoor class covers basic climbing including knot tying, belaying, movement techniques, top rope anchor systems, and safety procedures. F, S

**PEAC 176B Intermediate Rock Climbing 1 credit.** Designed for the intermediate level student, this course explores more advanced techniques, etiquette, and minimal impact techniques. F, S

**PEAC 176C Advanced Rock Climbing 1 credit.** Extends skill range from top roping to lead climbing techniques. Includes belay anchors, route protection, lead and aid climbing, minimal impact techniques, and safety and rescue procedures. D

**PEAC 177A Beginning Cross-Country Skiing 1 credit.** Designed for beginning skiers, this course introduces students to flat surface techniques and progresses to uphill and downhill techniques. Indoor lectures are combined with tours to local cross-country ski areas. S

**PEAC 177B Intermediate Cross-Country Skiing 1 credit.** Designed for intermediate skill x-country skiers, this course builds on the fundamental techniques of the beginning course. Includes safety in the backcountry, more advanced uphill and downhill techniques, and overnight trip planning. S

**PEAC 178A Beginning Telemark Cross-Country Skiing 1 credit.** Fundamental skills of executing downhill turns on cross-country skis. Telemark is primary emphasis, but wedge, stem christie, and parallel turns are also covered in relation to free heel skis. S

**PEAC 178B Intermediate Telemark Cross-Country Skiing 1 credit.** Course builds upon the basic skills first introduced in the

beginning course. Introduces additional techniques. S

**PEAC 180A Beginning Windsurfing 1 credit.** Introduction to the basic skills of sailboarding including sail rigging, sailing maneuvers, wind reading and windsurfing safety. F, S

**PEAC 180B Intermediate Windsurfing 1 credit.** Continuation of basic skills of sailboarding, with additional emphasis on more advanced technique and weather reading for the intermediate level windsurfer. F, S

**PEAC 181 Bicycling 1 credit.** Includes both mountain and road biking. Combines a series of indoor lectures with practical outdoor riding experience. Topics include riding techniques, clothing, equipment, safety and bike maintenance. F

**PEAC 182A Beginning Dutch Oven Cooking 1 credit.** Includes basic food preparation, meal planning and the care and use of cast iron dutch ovens. Nightly demonstrations by guest chefs. Students will select recipes, buy food, and prepare their own meals. F, S

**PEAC 182C Advanced Dutch Oven Cooking 1 credit.** Expands upon the basics taught in the beginning course. Includes large group meal planning, dutch oven catering, garnishing and presentation of meals, gourmet meal preparation, and competitive cooking. F

**PEAC 183 Map and Compass 1 credit.** Combines classroom and practical field exercises. Basic land navigation techniques including compass bearings, magnetic declination, contour line identification, use of GPS instruments, resection, orientation techniques, and use of the Universal Mercator Coordinate System. F

**PEAC 184 Ice Climbing 1 credit.** Designed for the advanced rock climber, this course explores techniques suitable for steeply inclined ice and snow climbing. Includes equipment selection, safety, use of ice screws and pitons, and the two-axe method. S

**PEAC 185 Basic Mountaineering 1 credit.** Designed for students wishing to climb mountains on a non-technical basis. Includes ice axe use, rope team travel, clothing, equipment, hazards, hypothermia, and acute mountain sickness. S

**PEAC 186 Practical Outdoor Skills 1 credit.** Basic skills for activity in the outdoors. Topics include practical outdoor knots, water treatment, map and compass, sheltering strategies, outdoor emergencies and first aid, equipment and clothing, minimal impact techniques, and fire building. S

**PEAC 187 Avalanche Safety 1 credit.** Designed to equip winter travelers with knowledges and skills to minimize avalanche hazards. Some topics included are snow crystal identification and snow pack metamorphism influencing avalanche formation. Field sessions are included. S.

**PEAC 188 Winter Survival Skills 1 credit.** Designed to equip students with knowledge necessary for a 72 hour winter survival situation. Content includes winter shelter building, recognizing and treating frostbite, signaling, fire building, survival psychology, nutrition needs, clothing and equipment. S

**PEAC 190 Varsity Athletics 1 credit.** Instruction and participation in ISU Department of Athletics approved sports. Coach's approval required. F, S

## Professional Physical Education Courses

**P E 147 Danson - ISU Danscompany 1 credit.** A student performing group. Designed to assist students in developing skills necessary to create and produce lecture/demonstrations for schools and concerts. Various dance forms are used. F, S

**P E 160 Rape Aggression Defense 1 credit.** Strategies for self-defense in physically threatening situations. Methods to enhance possibilities for avoidance of physical harm are also covered. Cross-listed as H E and W S 160. F, S

**P E 201 Survey of Dance 3 credits.** Historical development of dance from primitive to modern times. A study of language, literature and forms of dance. Relationship of dance to the fine arts and other disciplines. Satisfies Goal 6 of the General Education Requirements. F, S, Su

**P E 205 Methods and Techniques of Gymnastics 2 credits.** Fundamental methods and techniques for teaching a variety of gymnastic activities, including tumbling and apparatus. S

**P E 211 Physical Education Methods/Elementary 1 credit.** A study of subject content of the physical education program with emphasis on methods and materials to be used by the teacher. F, S, Su

**P E 221 History and Philosophy of Physical Education 2 credits.** Study of the historical development and philosophy of Physical Education. Also includes current practices and projected trends in the Physical Education profession. F, S

**P E 231 Activity Laboratory - Field and Court 1 credit.** Laboratory enhanced skills in activities such as soccer and volleyball. PREREQ: PEAC 130, OR PEAC 131, OR PEAC 133; PEAC 142A OR PEAC 142B; PEAC 151A OR PEAC 151B; PEAC 170A OR PEAC 170B. F

**P E 232 Activity Laboratory - Outdoor Skills 1 credit.** Laboratory enhanced skills in activities such as map/compass, hiking, and skiing. PREREQ: PEAC 130, OR PEAC 131, OR PEAC 133; PEAC 142A OR PEAC 142B; PEAC 151A OR PEAC 151B; PEAC 170A OR 170B. F

**P E 233 Activity Laboratory - Individual and Recreational 1 credit.** Laboratory enhanced skills in activities such as pickleball and badminton. PREREQ: PEAC 130, OR PEAC 131, OR PEAC 133; PEAC 142A OR PEAC 142B; PEAC 151A OR PEAC 151B; PEAC 170A OR 170B. S

**P E 234 Activity Laboratory - Dance 1 credit.** Laboratory enhanced skills in creative, folk, square, and ballroom dance. PREREQ: PEAC 130, OR PEAC 131, OR PEAC 133; PEAC 142A OR PEAC 142B; PEAC 151 A OR PEAC 152B; PEAC 170A OR PEAC 170B. S

**P E 241 Sports Officiating 1 credit.** Proper instruction for game officials and coaches including knowledge of rules, mechanisms of officiating, and game administration. May be repeated to four credits. D

**P E 243 Anatomical Foundations of Human Activity 2 credits.** Study of human body structure including the neuromuscular, skeletal, circulatory, respiratory, digestive, endocrine, reproductive, and organ systems. Course is designed for health and physical education students. F, S

**PE 247 Dance Production 1-2 credits.** Students design and participate in producing a formal dance production. Opportunities to choreograph; perform; and assist in costuming, lighting, set decoration. May be repeated for a maximum of 8 credits. PREREQ: PE 147. S

**P E 259 Lifeguarding 2 credits.** Designed to provide a fundamental knowledge and practical application of principles involving life-saving techniques in an aquatic environment. Academic course work and pool activity is required of all students. F, S

**P E 260 Methods of Dance for Children 2 credits.** Study of a variety of dance activities suitable for early childhood through grade 6. Students plan and teach dance to children. Interdisciplinary approaches to incorporate dance into an educational setting are used. F

**P E 270 Motor Learning 1 credit.** A review of basic processes and concepts of learning in the psychomotor domain. S

**P E 292 Leadership Practicum 1 credit.** Students develop, implement, and evaluate an individual program of professional leadership activities. May be repeated up to two credits. F, S

**P E 300 Movement Theory 2 credits.** Introduces the student to the science of developmental human movement; including fundamental concepts of movement behavior presented in a bio-social context. F

**P E 301 Physiology of Exercise 4 credits.** Theoretical and applied study of the effects of physical work and exercise on physiological processes of the human body. Lecture and laboratory. PREREQ: P E 243 OR BIOS 301 and BIOS 302. F

**P E 302 Human Kinesiology 4 credits.** The anatomical and mechanical principles involved in human movement. Special

emphasis includes qualitative analysis of physical education and sport activities. Lecture and laboratory. PREREQ: P E 243 OR BIOS 301 AND BIOS 302. S

**P E 307 Outdoor Leadership 2 credits.** Designed to provide students with the knowledge to organize and lead outdoor activities. Includes leadership styles, liability, program promotion, planning, safety, and environmental impact. Practical experiences are included. S

**P E 312 Practical Applications of Coaching Baseball/Softball 2 credits.** Essential elements of coaching baseball and softball. Emphasis on application and practice in the educational setting. D

**P E 313 Practical Applications of Coaching Basketball 2 credits.** Essential elements of coaching basketball. Emphasis on application and practice in the educational setting. F

**P E 314 Practical Applications of Coaching Football 2 credits.** Essential elements of coaching football. Emphasis on application and practice in the educational setting. S

**P E 315 Practical Applications of Coaching Soccer 2 credits.** Essential elements of coaching soccer. Emphasis on application and practice in the educational setting. D

**P E 316 Practical Applications of Coaching Tennis 2 credits.** Essential elements of coaching tennis. Emphasis on application and practice in the educational setting. D

**P E 317 Practical Applications of Coaching Track and Field 2 credits.** Essential elements of coaching track and field. Emphasis on application and practice in the educational setting. S

**P E 318 Practical Applications of Coaching Volleyball 2 credits.** Essential elements of coaching volleyball. Emphasis on application and practice in the educational setting. S

**P E 319 Practical Applications of Coaching Wrestling 2 credits.** Essential elements of coaching wrestling. Emphasis on application and practice in the educational setting. D

**P E 322 Psychology of Sport 3 credits.** Study of theoretical and applied psychological parameters in sport settings. Specific topics include the coach-athlete relationship and issues in sport performance. Also includes motivation, leadership, communication, ethics, and intervention strategies. F, S

**P E 357 Physical Education for Elementary Schools 2 credits.** Study of the activity interests of children and appropriate materials for different age levels, selection of materials, and methods of presentation. S

**P E 358 Water Safety Instructor's course 3 credits.** Techniques of teaching swimming, diving, and community water safety skills including small craft safety. Emphasis on skill progressions and planning/organizing courses. American Red Cross certificate awarded if examination is passed. S

**P E 362 Tests and Measurements in Physical Education 2 credits.** Study of constructive

practical and written tests applicable to physical education. Study of the theory of practice of test administration, brief study of statistical methods and measurements in physical education. F, S

**P E 367 Methods and Techniques of Dance 3 credits.** Study of methods and materials utilized in teaching various dance forms. Practical experience in developing basic skills in various dance forms such as ballet, creative, tap, folk, square, and social dance. F

**P E 380 Field Experience 1 credit.** Orientation, observation, planning and supervised experience exposes the student to activity instruction under the direction of a major advisor. F, S

**P E g397 Professional Education Development 1-3 credits.** A course for the practicing educator aimed at the development and improvement of educational skills. Various sections will have different subtitles. A maximum of 10 credits may be applied to fifth year program. Graded S/U. D

**P E 401 Issues in Dance 2 credits.** A study of current issues and trends in dance. Typical topics include philosophical issues, costume, makeup, lighting for performance, injury prevention, and research. S

**P E 431 Choreography 3 credits.** Explore various methods, techniques, and processes used to create movement studies and dance pieces. Students design and present choreography created for an individual and for a group. Modern (creative) dance is the main form used. S

**P E 437 Methods of Teaching Physical Education 2 credits.** Designed to prepare the student for teaching physical education activities. Emphasis on a variety of teaching methods and their application to all skill levels. F, S

**P E g465 Organization and Administration of Intramural Sports 2 credits.** Study of various methods of organizing and administering intramural sports programs on the junior high school, high school, and college level. D

**P E g470 Care and Prevention of Athletic Injuries 2 credits.** Prevention, cause and care of athletic injuries. Emphasis on the role of the coach relative to responsibility and resultant liability. F, S

**P E g475 Management of Physical Education Programs 3 credits.** Study of the management procedures in conducting physical education programs. Special emphasis in secondary curriculum. F, S

**P E g480 Coaching Problems 2 credits.** Athletic control, eligibility, new coaching techniques, finances, safety measures, public relations, duties of coaches, managers, and officials. May be repeated once for additional credit. F, S, Su

**P E g481 Coaching Clinic 1 credit.** Idaho State University is a sponsor of the annual Idaho Coaches Association Clinic held during the first week of August. Instruction offered

in football, basketball, and other sports by coaches of national reputation. Total cost of registration at the clinic, board, room, and privileges for the full period of the clinic will be about \$50. An extra fee will be charged for those who register at the clinic for credit. May be repeated up to 6 credits. Graded S/U. Credits will not be acceptable for degree completion requirements/electives. D

**P E g485 Independent Problems in Physical Education 1-3 credits.** Individual work under staff guidance. Field and/or library study on specific physical education problems of interest to majors and minors. May be repeated up to 6 credits. PREREQ: PERMISSION OF INSTRUCTOR. F, S, Su

**P E 490 Practicum-Physical Education 1-16 credits.** Practical experience in a field based setting, congruent with student's employment goals. May require multiple experiences in a variety of settings outside K-12 school settings. F, S, Su

**P E g491 Physical Education Workshop 1-3 credits.** Critical analysis of one or more areas of physical education. May be repeated up to 6 credits. PREREQ: PERMISSION OF INSTRUCTOR. F, S

**P E g494 Special Physical Activity 3 credits.** Surveys history, philosophy, and the teaching/learning process in providing special physical activity for all individuals in schools and community-based settings. Includes clinical experiences. S

**P E 495 Physical Education: Student Teaching 7-14 credits.** Observation and teaching under supervision in approved physical education programs with the opportunity to assume direct responsibility for the learning activities of secondary level students. PREREQ: ADMISSION TO TEACHER EDUCATION PROGRAM AND APPROVED APPLICATION FOR STUDENT TEACHING. Graded S/U. F, S