

# College of Education & Graduate Studies

Preparing students to become competent and productive educators is the primary goal of the Teacher Education Program. The program aims to provide superior instruction, integration of practical and theoretical elements of knowledge, and effective faculty-student interaction. The curriculum provides both undergraduate and graduate instruction leading to Bachelors or Masters degrees with preparation offered in various areas of specialization and teaching fields. A Fifth-Year Program is also available.

## Advising Information

Students are encouraged to meet with their advisor at the beginning of each semester to confirm their plan of study and make any necessary adjustments. **Please note** that the suggested plan of study listed with each degree program is merely a sample schedule. Due to course scheduling changes, staff assignments, and other conflicts, it may not be possible to follow the suggested plans exactly. Meeting with an advisor before registering for classes each semester will allow students to plan a schedule that will meet their needs and assist them in completing requirements in an efficient manner.

## Undergraduate Teacher Education

The undergraduate Teacher Education Program contains four broad areas of emphasis:

1. Providing a comprehensive general education background;
2. Developing an in-depth background in one or more academic areas commonly taught in the public schools;
3. Completing professional preparation consisting of on-campus courses and public school practicums that lead to a recommendation for teaching certification;
4. Participating in community and campus wide extra-curricular experiences and/or elective courses that will enhance the prospective teacher's personal development.

## Teacher Certification

Teacher Education graduates who have obtained Montana passing scores on the Praxis I: Pre-Professional Skills Tests in Reading, Mathematics and Writing will be eligible to apply for a Standard Class II Teaching Certificate. Students must make application for certification through Montana State University-Northern's Teacher Certification Officer to the Office of Public Instruction.

Effective July 1, 1997, all new applicants for initial Class I, II, or III certification must provide evidence of obtaining Montana passing scores on the Praxis I: Pre-Professional Skills Tests in Reading, Mathematics and Writing. Between July 1, 1986 and the above date, the Core Battery of the National Teachers Examination Communications Skills and General Knowledge were required for initial certification. Candidates who have previously obtained Montana passing scores on the Core Battery, are not required to complete the Praxis I: Pre-Professional Skills Test.

However, individuals seeking to reinstate lapsed certificates are required to satisfactorily complete the Praxis I: Pre-Professional Skills Tests if they have not previously completed the Core Battery. All existing valid certificates will be renewed on the basis of the rules under which they were issued.

Students completing Montana State University-Northern's Elementary Teacher Education Program will be recommended for a Standard Class II Teaching Certificate which qualifies holders to teach kindergarten through grade eight. Students completing one of Montana State University-Northern's Secondary Teacher Education Programs will be recommended for a Standard Class II Secondary Teaching Certificate, which qualifies holders to teach their subject area in grades 5-12 or K-12 in specific areas identified in the box.

## Education & Graduate Studies Programs Offered

### *Bachelor of Science in Education degrees*

Business Education (5-12)  
Elementary Education (K-8)  
English (5-12)  
General Science (5-12)  
Health and Physical Ed (K-12)  
Social Science-Broadfield (5-12)

### *Bachelor of Science degrees*

Industrial Technology (with a teaching option)  
Health Promotion

### *Teaching Minors*

Art (K-12)  
Business Education (5-12)  
Computer Info Systems (5-12)  
English (5-12)  
Health and Physical Ed (K-12)  
Reading Specialist (K-12)  
Traffic Education (5-12)

### *Non-Teaching Minor*

Health Promotion

### *Master of Education degrees*

Counselor Education  
Elementary Education  
General Science

### *Master of Science degree*

Learning Development

### *Graduate Minor*

Counselor Education (K-12)

## **Education & Graduate Studies Faculty**

### *Associate Professors*

Brian Gilmartin  
Mary McCroskey  
Darlene Sellers, Chair/Dean  
Curtis Smeby  
Theodore Spatkowski  
Janet Trethewey

### *Assistant Professors*

Robin Castle  
Walt Currie  
John Foley  
David Ray

### *Instructors*

Christian Oberquell

In addition to their general and professional education requirements, secondary education majors will complete an academic major with no minor or a combination of a regular major with a minor. Individuals obtaining a Montana Class II Certificate will be endorsed in their major and minor areas. Students who complete majors with no minor (40-60 credits) will be endorsed to teach selected subjects within the area encompassed by that discipline. Students who complete a regular major (30-39 credits) and a minor (20-29 credits) will be endorsed to teach in the two areas. Areas of Concentration, an option that is available in some programs, do not lead to an endorsement.

The University-wide General Education Requirements and Teacher Education Program pre-requisites provide Elementary Education majors with 70 hours of broadly based subject matter background. In addition, Elementary Education majors must select either one K-12 endorsable minor with a minimum of 20 credits, or two non-endorsable areas of concentration with a minimum of 14 credits each.

K-12 endorsable minors are available in art, health and physical education, and reading. There are 12 possible subjects in which areas of concentration can be developed. These areas of concentration are developed in consultation with the advisor and may be selected from the following: art, biology, early childhood, English, general science, health and physical education, history and social science, mathematics, music, physical science, reading and science. Additional areas of teaching concentration may be cooperatively planned between specific Colleges and the Chair/Dean of Education and Graduate Programs on an individual basis. Although all elementary majors will receive the same certification and grade level endorsement, it is recommended that students planning to teach in the upper grade levels include two areas of concentration in their program. This is especially desirable for teaching in grades seven and eight. Students desiring added endorsements should consider a K-12 minor.

Accreditation standards of Montana middle and secondary schools identify the particular endorsements and, in many instances, the number of credit hours of subject matter teachers must possess. Students should consult with the Chair/Dean of Education if there are questions regarding the middle and/or high school courses in which their major or minor will permit them to teach.

Several majors and minors (Art, Health and Physical Education, Counselor Education, Reading Specialist) lead to a K-12 endorsement. This endorsement makes possible a teaching assignment in the specific subject in all grades from kindergarten through grade 12. Students seeking this type of endorsement must plan course work and practicums at both the elementary and the secondary grade levels.

Graduates of all Montana State University-Northern Teacher Education Programs will be eligible for a recommendation for a Standard Class II Teaching Certificate. However, prospective teachers who plan to teach selected high school vocational subjects in vocational-technical schools, community colleges, junior colleges, or other programs where state certification is a requirement for federal or state reimbursement programs, must also complete specific vocational course work and meet appropriate on-the-job work experience requirements. The evaluation of an individual's on-the-job work experience is completed by personnel in the Montana Office of Public Instruction. Students seeking to teach in a reimbursed vocational program should check with their advisor and the Chair/Dean of Education very early in their program.

### **Admission to Teacher Education**

Upon declaring an education major, each student is granted conditional admission to teacher education. During the time of conditional admission, and with the assistance of an advisor, each student should plan a program of studies and work toward Final Admission to Teacher Education.

All students seeking admission to the undergraduate education program for initial certification are required to apply to the College of Education for Final Admission to Teacher Education. Final Admission to Teacher Education is required of all students prior to their enrolling in any professional education core courses at the 300 level or above.

Criteria for Final Admission to Teacher Education include:

- A. Completion of an application form
- B. Completion of 54 semester credits of course work with a minimum cumulative grade point average of 2.5
- C. Completion of the Praxis I: Pre-Professional Skills Tests in Reading, Mathematics, and Writing with minimum passing scores for Montana Teacher Certification
- D. Completion of EDPY 100, EDUC 100, HPE 235, and PSYC 205 with a minimum grade of "C"
- E. Demonstrated ability to communicate verbally in a fluent and understandable manner
- F. Recommendation by the student's major advisor

Final Admission to Teacher Education is granted by the Teacher Education Professional Review Committee after a thorough evaluation of the candidate's application.

Applicants will be notified according to the following classifications:

1. Approved for final admission
2. Granted provisional admission (one semester only)
3. Not approved and dropped from the teacher education program

An applicant who is granted provisional admission will be monitored for progress in the professional sequence and will be dropped from Teacher Education if he/she fails to meet the provisions specified when granted the provisional status. An applicant who is not approved may request a hearing before the Teacher Education Professional Review Committee by so informing the Chair/Dean of the College of Education and Graduate Studies.

**No required professional education major, minor, or area of concentration courses may be taken on a pass-fail basis (except EDUC 400 and EDUC 450 and EDUC 475).**

**Grades below C are not accepted in required professional education courses or in courses included in the major, minor, or areas of concentration.**

### **Student Teacher Practicum**

Students seeking to be recommended for certification through the Teacher Education Program at Montana State University-Northern will successfully complete a teaching practicum in their senior year. The assigned teaching practicum will be in specially selected and fully accredited elementary, secondary, or vocational school. The student must have acquired Final Admission to Teacher Education status prior to enrolling in EDUC 400 Elementary Teaching Practicum and Seminar, EDUC 450 Secondary Teaching Practicum and Seminar, or EDUC 475 Elementary and Secondary Teaching Practicum and Seminar. In addition, the student must have completed appropriate professional education courses. The teaching practicum is a full time responsibility; therefore, the student should not engage in outside work or enroll in additional courses during this time (except the required EDUC 405). Students preparing to student teach at a distance greater than 100 miles from Havre, but within Montana, will be assessed additional fees during the semester in which they register to student teach.

### **Teacher Education Prerequisites**

In order to provide a broad base for the Teacher Education Program, Education majors must take several credit hours of prescribed course work in addition to the University-wide general education requirements. The credits are identified as Teacher Education Program prerequisites and should be substantially completed during the freshman and sophomore years and prior to making application for Final Admission to Teacher Education and enrollment in specific upper division teacher education courses.

## Professional Education

Professional education courses are designed to prepare students to apply their academic training to their interactions with students, parents, colleagues, and administrators in the public schools and may be taken after receiving Final Admission to Teacher Education. This portion of the degree requirement is designed to help students plan and prepare instructional experiences, develop insight into how children learn and grow, and provide actual experience with the manner in which public schools are organized and operated.

The Elementary Education Core requirements consist of the following:

	Credits
EDPY 215 Intro to Education Psychology.....	3
EDPY 350 Education and Psychology Exceptional Children.....	3
EDUC 100 Foundations of Education.....	3
EDUC 300 Introduction to Curriculum Planning and Practice.....	3
EDUC 306 Methods of Teaching Elementary Social Studies.....	2
EDUC 307 Methods of Teaching Elementary Math/Science.....	3
EDUC 310 Methods of Teaching Integrated Creative Arts.....	3
EDUC 321 Integrating Technology into Education.....	1
EDUC 334 Teaching the Integrated Language Arts.....	3
EDUC 335 Fundamental and Corrective Strategies in the Elementary Reading Program.....	3
EDUC 336 Integrated Field Experience.....	2
EDUC 347 Speech, Hearing, & Language Development of the Pre-School Child ..	3
EDUC 376 Assessment in Education.....	2
EDUC 380 Classroom Environment and Management.....	3
EDUC 448 Reading Materials for the Elementary Child.....	3
EDUC 455 Advanced Practicum in Education.....	3
EDUC 400 Elementary Teaching Practicum and Seminar.....	12
<b>OR</b>	
EDUC 475 Elementary and Secondary Teaching Practicum and Seminar.....	12
HPE 235 Principles of Health Education/Substance Abuse.....	3
HPE 300 Physical Education in the Elementary Schools.....	3
PSYC 205 Human Growth and Development.....	3

The Secondary Education Core requirements consist of the following:

	Credits
EDPY 215 Intro to Education Psychology.....	3
EDPY 350 Education and Psychology Exceptional Children.....	3
EDUC 100 Foundations of Education.....	3
EDUC 300 Introduction to Curriculum Planning and Practice.....	3
EDUC 321 Integrating Technology into Education.....	1
EDUC 376 Assessment in Education.....	2
EDUC 445 Teaching Reading, Writing & Critical Thinking Across the Curriculum2	2
EDUC 455 Advanced Practicum in Education.....	3
EDUC 450 Secondary Teaching Practicum and Seminar.....	12
<b>OR</b>	
EDUC 475 Elementary and Secondary Teaching Practicum and Seminar.....	12
HPE 235 Principles of Health Education/Substance Abuse.....	3
PSYC 205 Human Growth and Development.....	3
<b>TOTAL .....</b>	<b>32</b>

VOED 350 Principles of Industrial/Technology Technology, VOED 360 Analysis & Prep Lab Management, and VOED 370 Methods of Teaching industrial/Technology Education are required for Industrial Technology and Business Education majors (or minors) who plan on being able to verify appropriate work experience through the Office of Public Instruction and who want to qualify for vocational approval to teach in a state or federally reimbursed program.

## Humanities and Social Science Core

Students pursuing Bachelor of Arts degrees or Bachelor of Science in Education with majors in English or Broadfield Social Sciences must complete the Humanities and Social Sciences core in addition to the other requirements. The courses required in the Humanities and Social Science core will satisfy the distribution requirements in Area A and 3 credits in Area B. 104

**TITLE II INSTITUTIONAL REPORT CARDS  
ON THE QUALITY OF TEACHER PREPARATION**

**REPORT CARD**-Each institution of higher education that conducts a teacher preparation program that enrolls students receiving Federal assistance under this Act, not later than 18 months after the date of enactment of the Higher Education Amendments of 1998 and annually thereafter, shall report to the State and the general public, in a uniform and comprehensible manner that conforms with the definitions and methods established under subsection (A), the following information:

**A. PASS RATE**

- a. For the most recent year for which the information is available, the pass rate of the institution's graduates on the teacher certification or licensure assessments of the State in which the institution is located, but only for those students who took those assessments within 3 years of completing the program.
- b. A comparison of the program's pass rate with the average pass rate for programs in the State.
- c. In the case of teacher preparation programs with fewer than 10 graduates taking any single initial teacher certification or licensure assessment during an academic year, the institution shall collect and publish information with respect to an average pass rate on State certification or licensure assessments taken over a 3-year period.

**B. PROGRAM INFORMATION**-The number of students in the program, the average number of hours of supervised practice teaching required for those in the program, and the faculty-student ratio in supervised practice teaching. (587 students for 1999-2000, 400 hours of student teaching, and a faculty to student ratio of 1 supervisor to 18 students)

**STATEMENT**-In States that approve or accredit teacher education programs, a statement of whether the institution's program is so approved or accredited.

**HEA - Title II  
1999-2000 Academic Year**

<b>Institution Name</b>	MONTANA STATE UNIV NORTHERN	
<b>Institution Code</b>	4538	
<b>State</b>	Montana	
<b>Number of Program Completers Submitted</b>	65	
<b>Number of Program Completers found, matched, and used in passing rate Calculations<sup>1</sup></b>	60	
		<i>March 2, 2001</i>

<i>Type of Assessment</i>	<i>Assessment Code Number</i>	<i>Number Taking Assessment</i>	<i>Number Passing Assessment</i>	<i>Institutional Pass Rate</i>	<b>Statewide</b>		
					<i>Number Taking Assessment</i>	<i>Number Passing Assessment</i>	<i>Statewide Pass Rate</i>
<b>Basic Skills</b>							
COMMUNICATION SKILLS	500	1			52	52	100%
GENERAL KNOWLEDGE	510	1			44	44	100%
PPST READING	710	42	42	100%	496	496	100%
CBT READING	711	17	17	100%	232	232	100%
PPST WRITING	720	43	43	100%	501	501	100%
CBT WRITING	721	16	16	100%	227	227	100%
PPST MATHEMATICS	730	44	44	100%	497	497	100%
CBT MATHEMATICS	731	15	15	100%	233	233	100%

**HEA - Title II  
1999-2000 Academic Year**

<b>Institution Name</b>	MONTANA STATE UNIV NORTHERN					
<b>Institution Code</b>	4538					
<b>State</b>	Montana					
<b>Number of Program Completers Submitted</b>	65					
<b>Number of Program Completers found, matched, and used in passing rate Calculations<sup>1</sup></b>	60			<i>March 2, 2001</i>		
<b>Type of Assessment<sup>2</sup></b>	<b>Number Taking Assessment<sup>3</sup></b>	<b>Number Passing Assessment<sup>4</sup></b>	<b>Institutional Pass Rate</b>	<b>Number Taking Assessment<sup>3</sup></b>	<b>Number Passing Assessment<sup>4</sup></b>	<b>Statewide Pass Rate</b>
Aggregate - Basic Skills	60	60	100%	776	776	100%
Aggregate - Professional Knowledge						
Aggregate - Academic Content Areas (Math, English, Biology, etc.)						
Aggregate - Other Content Areas (Elementary Education, Career/Technical Education, Health Educations, etc.)						
Aggregate - Teaching Special Populations (Special Education, ELS, etc.)						
Aggregate - Performance Assessments						
<b>Summary Totals and Pass Rates<sup>5</sup></b>	60	60	100%	776	776	100%

<sup>1</sup> The number of program completers found, matched and used in the passing rate calculation will not equal the sum of the column labeled "Number Taking Assessment" since a completer can take more than one assessment.

<sup>2</sup> Institutions and/or States did not require the assessments within an aggregate where data cells are blank.

<sup>3</sup> Number of completers who took one or more tests in a category and within their area of specialization.

<sup>4</sup> Number who passed all tests they took in a category and within their area of specialization.

<sup>5</sup> Summary Totals and Pass Rate: Number of completers who successfully completed one or more tests across all categories used by the state for licensure and the total pass rate.

## Teaching Minor in Art (K-12)

### Required Courses

ART 101 Studio Foundation .....	3
ART 115 Ceramics.....	3
ART 120 Drawing I .....	3
ART 150 Two Dimensional Design I .....	3
ART 254 Painting I.....	3
<b>OR</b>	
ART 256 Watercolor Painting I .....	3
ART 361 Art History of Western Civilization I.....	3
<b>OR</b>	
ART 362 Art History of Western Civilization II.....	3
EDUC 259 Field Experience.....	1
EDUC 308 Methods of Teaching Elementary & Secondary Art .....	2

**Total minimum credits required for minor .....** 21

**PLEASE NOTE: Students enrolling in this program may pay between \$10 - \$30/semester in course fees. Those fees are in addition to tuition and other fees.**

## SUGGESTED PLAN OF STUDY

### Bachelor of Science in Education Degree Teaching Major in Business Education

<b>Freshman year</b>	<b>F</b>	<b>S</b>	
ACCT 261	3		
BUED 110	1		
BUS 110	3		
EDUC 100	3		
ENGL 111	3		
Dist Req (Area A)	3		
ACCT 262		3	
BUED 142		2	
CIS 111		3	
SPCH 141		3	
<b>OR</b>			
SPCH 142		3	
ENGL 112		3	
MATH 112		3	
<b>OR</b>			
MATH 110		4	
<b>Total</b>	<b>16</b>	<b>17-18</b>	
<b>Sophomore year</b>			
ACCT 285	3		
BUED 245	3		
BUED 280	2		
BUS 271	3		
ECON 241 (Area B)	3		
PSYC 205 (Area B)	3		
BUED 230		2	
BUED 302		3	
BUS 300		3	
HPE 235		3	
EDPY 215		3	
SPCH 310 (Area A)		3	
<b>Total</b>	<b>17</b>	<b>17</b>	
<b>Junior year</b>			
BUED 305	3		
BUED 315	1		
BUED 316	1		
BUED 317	1		
BUED 348	3		
BUS 335	3		
CIS 320 (Area C)	3		
EDPY 350	3		
BUED 318		1	
BUED 319		1	
BUED 421		1	
EDUC 300		3	
EDUC 321		1	
SBM 416		3	
Dist Req (Area C Lab Sci)		4	
<b>Total</b>	<b>18</b>	<b>14</b>	
<b>Senior year</b>			
BUED 422	1		
BUED 423	1		
BUED 424	1		
BUED 455	1		
BUS 410	3		
EDUC 376	2		
EDUC 445	2		
EDUC 455	3		
Elective	3		
EDUC 450		12	
<b>Total</b>	<b>17</b>	<b>12</b>	

## Bachelor of Science in Education Degree Teaching Major in Business Education (5-12)

**General Education Core Requirements..... 15-16**  
Credits  
Some of these courses may be specified by your major, please consult with your academic advisor for more details.

**Distribution Requirements .....24**  
Some of these requirements will be filled by required courses in your major. Please consult your academic advisor for more details.

### Required Courses

ACCT 261 Principles of Accounting I .....	3
ACCT 262 Principles of Accounting II .....	3
ACCT 285 Accounting Systems .....	3
BUED 110 Introduction to Business Education and Portfolio Dev .....	1
BUED 142 Introduction to Word Processing .....	2
BUED 230 Office Skills .....	2
BUED 245 Personal Finance .....	3
BUED 280 The Internet, Web Page Design, and On-line Course Supplements for Educators .....	2
BUED 302 Introduction to E-Commerce and Internet Marketing .....	3
BUED 305 Video Editing and Production .....	3
BUED 315 Methods of Teaching Accounting .....	1
BUED 316 Methods of Teaching Keyboarding and Word Processing .....	1
BUED 317 Methods of Teaching Office Skills .....	1
BUED 318 Methods of Teaching Personal Finance .....	1
BUED 319 Methods of Teaching Business Law .....	1
BUED 348 Business Communications .....	3
BUED 421 Methods of Teaching Marketing .....	1
BUED 422 Methods of Teaching Entrepreneurship .....	1
BUED 423 Methods of Teaching Computer Applications .....	1
BUED 424 Methods of Teaching Business to Special Learners .....	1
BUED 455 Pre-Practicum Seminar .....	1
BUS 110 Creative Problem Solving .....	3
BUS 271 Legal Environment of Business .....	3
BUS 300 Management in Organizations .....	3
BUS 335 Principles of Marketing .....	3
BUS 410 International Business .....	3
EDPY 215 Intro to Education Psychology .....	3
EDPY 350 Education and Psychology Exceptional Children .....	3
EDUC 100 Foundations of Education .....	3
EDUC 300 Introduction to Curriculum Planning and Practice .....	3
EDUC 321 Integrating Technology into Education .....	1
EDUC 376 Assessment in Education .....	2
EDUC 445 Teaching Reading, Writing & Critical Thinking Across the Curriculum .....	3
EDUC 455 Advanced Practicum in Education .....	3
EDUC 450 Secondary Teaching Practicum and Seminar .....	12
<b>OR</b>	
EDUC 475 Elementary and Secondary Teaching Practicum and Seminar .....	12
HPE 235 Principles of Health Education/Substance Abuse .....	3
PSYC 205 Human Growth and Development .....	3
SBM 416 New Venture Development .....	3

## Teaching Minor in Business Education (5-12)

### Required Courses

ACCT 261 Principles of Accounting I.....	3
ACCT 285 Accounting Systems .....	3
BUED 142 Introduction to Word Processing.....	2
BUED 245 Personal Finance.....	3
BUED 315 Methods of Teaching Accounting .....	1
BUED 316 Methods of Teaching Keyboarding and WordProcessing .....	1
BUED 318 Methods of Teaching Personal Finance.....	1
BUED 319 Methods of Teaching Business Law.....	1
BUED 421 Methods of Teaching Marketing .....	1
BUED 422 Methods of Teaching Entrepreneurship .....	1
BUED 423 Methods of Teaching Computer Applications.....	1
BUS 100 Introduction to Business.....	3
BUS 271 Business Law.....	3
BUS 335 Principles of Marketing.....	3
SBM 416 New Venture Development.....	3

**Total minimum credits required for minor ..... 30**

## Teaching Minor in Computer Information Systems (5-12)

### Required Courses

CIS 115 Introduction to Programming.....	3
CIS 155 Programming Level I .....	3
CIS 171 Database Level I .....	3
CIS 255 Programming Level II.....	3
CIS 285 Spreadsheet .....	3
CIS 300 Operating Systems Introduction.....	3
CIS 320 Computers in Education.....	3
CIS 355 Programming Level III.....	3
CIS 360 Business Telecommunications & Networking .....	3
CIS 420 Computer Teaching Methods.....	2

**Total minimum credits required for minor ..... 29**

## SUGGESTED PLAN OF STUDY

### Bachelor of Science Degree Major in Elementary Ed

<b>Freshman year</b>	<b>F</b>	<b>S</b>
ART 100	3	
BIOL 110	3	
CIS 110	3	
EDUC 100	3	
ENGL 111	3	
MATH 120	3	
ENGL 112		3
HIST Selective		3
HPE 235		3
HPE 368		2
<b>OR</b>		
Concentration/Minor		3
MATH 121		3
SPCH 141		3

**Total** 18 17-18

<b>Sophomore year</b>		
ENGL 114	3	
HIST Selective	3	
HPE 234	2	
MUS 101	3	
<b>OR</b>		
MUS Elective	3	
MUS 110	3	
Concentration/Minor		3
ART 256		3
<b>OR</b>		
ART studio elective	3	
EDPY 215	3	
HPE 274	3	
<b>OR</b>		
Concentration/Minor		3
NAS 330		3
NSCI 110		3
PSYC 205		3
<b>Total</b>	<b>17</b>	<b>18</b>

<b>Junior year</b>		
EDUC 303	2	
EDUC 306	2	
EDUC 321	1	
EDUC 334	4	
EDUC 380	3	
EDPY 350	3	
HPE 362	4	
<b>OR</b>		
Concentration/Minor		3
EDUC 300		3
EDUC 307		4
EDUC 448		3
EDUC 335		4
EDUC 380		3
<b>Total</b>	<b>18-19</b>	<b>17</b>

## Bachelor of Science in Education Degree Major in Elementary Education

**General Education Core Requirements..... 15-16**

Some of these courses may be specified by your major, please consult with your academic advisor for more details.

**Distribution Requirements .....24**

Some of these requirements will be filled by required courses in your major. Please consult your academic advisor for more details.

### Required Courses

ART 100 Introduction to Art.....	3
ART studio course.....	3
BIOL 110 Introduction to Environmental Health.....	3
<b>OR</b>	
Science Elective.....	3
EDPY 215 Intro to Education Psycholog.....	3
EDPY 350 Education and Psychology Exceptional Children.....	3
EDUC 100 Foundations of Education.....	3
EDUC 300 Introduction to Curriculum Planning and Practice.....	3
EDUC 306 Methods of Teaching Elementary Social Studies.....	2
EDUC 307 Methods of Teaching Elementary Math/Science.....	3
EDUC 310 Methods of Teaching Integrated Creative Arts.....	3
EDUC 321 Integrating Technology into Education.....	1
EDUC 334 Teaching the Integrated Language Arts.....	3
EDUC 335 Fundamental and Corrective Strategies in the Elementary Reading Program.....	3
EDUC 336 Integrated Field Experience.....	2
EDUC 347 Speech, Hearing, & Language Development of the Pre-School Child.....	3
EDUC 376 Assessment in Education.....	2
EDUC 380 Classroom Environment and Management.....	3
EDUC 448 Reading Materials for the Elementary Child.....	3
EDUC 455 Advanced Practicum in Education.....	3
EDUC 400 Elementary Teaching Practicum and Seminar.....	12

### OR

EDUC 475 Elementary and Secondary Teaching Practicum and Seminar.....	12
ENGL 114 Introduction to Literature.....	3
HPE 234 First Aid and CPR.....	2
HPE 235 Principles of Health Education & Substance Abuse.....	3
HPE 274 Personal and Community Health**.....	3
HPE 300 Physical Education in the Elementary Schools.....	3
HPE 306 Adapted Physical Education**.....	2
HPE 362 Biomechanics & Movement Education**.....	3
HPE 368 Safety Education**.....	2
MATH 120 Mathematics for Elementary Teachers I.....	3
MATH 121 Mathematics for Elementary Teachers II.....	3
MUS 101 Introduction to Music History.....	3
<b>OR</b>	
Music Elective.....	3
MUS 110 Introduction to Music Theory.....	3
PSYC 205 Human Growth and Development.....	3

NAS 330 American Indian Oral Tradition .....	3
<b>OR</b>	
English Selective.....	3
NSCI 110 Survey of the Natural Sciences .....	3
PSYC 205 Human Growth and Development.....	3

**Choose six credits from the following list of history selectives.**

**Selectives**

HIST 131 American History I .....	3
HIST 132 American History II.....	2
HIST 141 History of Civilization I .....	2
HIST 142 History of Civilization II.....	3
History Elective.....	3

**Total minimum credits required for degree ..... 128**

\*\*Required if no minor or concentration - see advisor for details specific to your program.

<b>Senior year</b>		
HPE 300	3	
HPE 306	2	
<b>OR</b>		
Concentration/Minor	2	
EDUC 336	2	
EDUC 347	3	
EDUC 376	2	
EDUC 448	3	
EDUC 455	3	
EDUC 400		12
<b>OR</b>		
EDUC 475		12
<b>Total</b>	<b>18</b>	<b>12</b>

## SUGGESTED PLAN OF STUDY

### Bachelor of Science in Education Degree Teaching Major in English

<b>Freshman year</b>	<b>F</b>	<b>S</b>	
ART 361			3
<b>OR</b>			
ART 362			3
<b>OR</b>			
DRMA 123			3
<b>OR</b>			
MUS 101			3
CIS 110			3
ENGL 111			3
MATH 110			4
EDUC 100			3
Selective			3
ENGL 112			3
ENGL 114			3
<b>OR</b>			
ENGL 214			3
PSYC 205			3
SPCH 141			3
<b>OR</b>			
SPCH 142			3
Selective			3
Minor			3
<b>Total</b>	<b>19</b>	<b>18</b>	
<b>Sophomore year</b>			
ENGL 310			3
ENGL 385			3
HPE 235			3
Language	3-4		
Minor			6
EDPY 215			3
EDUC 300			3
ENGL 313			3
ENGL 380			3
HIST 142			3
<b>OR</b>			
SOSC 201			3
Language			3-4
<b>Total</b>	<b>18-19</b>	<b>18-19</b>	
<b>Junior year</b>			
EDUC 321			1
Dist Req Area C			6
Dist Req Area D			3
Minor			3
Selective			3
EDUC 445			2
ENGL 305			3
<b>OR</b>			
ENGL 311			3
ENGL 313			3
ENGL 402			3
Selective			3
Minor			3
<b>Total</b>	<b>16</b>	<b>17</b>	
<b>Senior year</b>			
EDPY 350			3
EDUC 376			2
EDUC 455			3
Selective			3
Minor			6
EDUC 450			12
<b>OR</b>			
EDUC 475			12
<b>Total</b>	<b>17</b>	<b>12</b>	

## Bachelor of Science in Education Degree Teaching Major in English (5-12)

### Teaching Minor Required

Credits

#### General Education Core Requirements..... 15-16

Some of these courses may be specified by your major, please consult with your academic advisor for more details.

#### Distribution Requirements..... 24

Some of these requirements will be filled by required courses in your major. Please consult your academic advisor for more details.

#### Required Courses

ART 361 Art History of Western Civilization I.....	3
<b>OR</b>	
ART 362 Art History of Western Civilization II .....	3
<b>OR</b>	
DRMA 123 Introduction to Theatre.....	3
<b>OR</b>	
MUS 101 Introduction to Music History .....	3
EDPY 215 Introduction to Education Psychology.....	3
EDPY 350 Education and Psychology Exceptional Children.....	3
EDUC 100 Foundations of Education .....	3
EDUC 300 Introduction to Curriculum Planning and Prctice.....	3
EDUC 321 Integrating Technology into Education .....	1
EDUC 376 Assessment in Education.....	2
EDUC 445 Teaching Reading, Writing & Critical Thinking Across the Curriculum	2
EDUC 455 Advanced Practicum in Education .....	3
EDUC 450 Secondary Teaching Practicum and Seminar .....	12
<b>OR</b>	
EDUC 475 Elementary and Secondary Teaching Practicum and Seminar .....	12
ENGL 114 Introduction to Literature .....	3
<b>OR</b>	
ENGL 214 Introduction to World Literature .....	3
ENGL 310 Literature for Children and Adolescents .....	3
ENGL 305 Advanced Essay Writing .....	3
<b>OR</b>	
ENGL 311 Creative Writing.....	3
ENGL 313 Methods of Teaching English .....	3
ENGL 380 Linguistics .....	3
ENGL 385 Shakespeare .....	3
ENGL 402 Literary Criticism .....	3
HIST 142 History of Civilization II.....	3
<b>OR</b>	
SOSC 201 Introduction to Social Science.....	3
HPE 235 Principles of Health Education & Substance Abuse .....	3
PSYC 205 Human Growth and Development.....	3
Language (French, Spanish, German, or Native American) .....	6-8
<b>Select three courses from the following list of selectives.</b>	
ENGL 201 American Literature I .....	3
ENGL 202 American Literature II.....	3
ENGL 221 English Literature I.....	3
ENGL 222 English Literature II .....	3

**Select two courses from the following list of selectives (at least one at the 400 level).**

ENGL 330 Modern Poetry .....	3
ENGL 333 Literature By and About Native Americans.....	3
ENGL 360 Dramatic Literature.....	3
ENGL 401 Contemporary Literature.....	3
ENGL 409 Major Authors .....	3
ENGL 435 Development of the Novel.....	3

**Total minimum credits required for degree ..... 128**

## **Teaching Minor in English (5-12)**

### **Required Courses**

ENGL 214 Introduction to World Literature.....	3
ENGL 310 Literature for Children and Adolescents.....	3
ENGL 313 Methods of Teaching English.....	3
ENGL 380 Linguistics .....	3
ENGL 402 Literary Criticism .....	3

**Choose three courses from the following list of selectives.**

ENGL 201 American Literature I .....	3
ENGL 202 American Literature II.....	3
ENGL 221 English Literature I.....	3
ENGL 222 English Literature II.....	3

**Total minimum credits required for minor ..... 24**

## SUGGESTED PLAN OF STUDY

### Bachelor of Science in Education Degree Teaching Major in General Science

Freshman year	F	S
BIOL 140	4	
BIOL 141	1	
CHEM 121	3	
CHEM 123	2	
ENGL 111	3	
MATH 112	3	
CHEM 122		3
CHEM 124		2
CIS 110		3
ENGL 112		3
SPCH 141		3
<b>OR</b>		
SPCH 142		3
Elective		3
<b>Total</b>	<b>16</b>	<b>17</b>

Sophomore year		
BIOL 221	3	
BIOL 222	2	
EDUC 100	3	
HPE 235	3	
PHYS 231	3	
PHYS 234	2	
EDPY 215		3
ESCI 204		4
PHYS 232		3
PHYS 235		2
PSYC 205		3
Dist Req Area A		3
<b>Total</b>	<b>16</b>	<b>18</b>

Junior year		
BIOL 348	3	
BIOL 350	2	
EDUC 321	1	
ESCI 115	4	
ESCI 315	3	
Dist Req Area B	3	
Elective	2	
BIOL 314		4
EDUC 300		3
EDUC 445		2
Dist Req Area B		3
Selective		3
<b>Total</b>	<b>18</b>	<b>15</b>

Senior year		
BIOL 425	2	
EDPY 350	3	
EDUC 376	2	
EDUC 455	3	
Selective	3	
Dist Req Area A	3	
Dist Req Area D	3	
EDUC 450		12
<b>Total</b>	<b>19</b>	<b>12</b>

## Bachelor of Science in Education Degree Teaching Major in General Science (5-12)

No Minor Required

**General Education Core Requirements..... 15-16**  
Credits  
Some of these courses may be specified by your major, please consult with your academic advisor for more details.

**Distribution Requirements .....24**  
Some of these requirements will be filled by required courses in your major. Please consult your academic advisor for more details.

**Common Science Core (35 credits):**

BIOL 140 Cell Biology .....	4
BIOL 141 Cell Biology Lab .....	1
BIOL 221 Botany I.....	3
BIOL 222 Botany I Lab.....	2
BIOL 348 Zoology .....	3
BIOL 350 Zoology Lab.....	2
CHEM 121 General Inorganic Chemistry I.....	3
CHEM 122 General Inorganic Chemistry II.....	3
CHEM 123 General Inorganic Chemistry I Lab.....	2
CHEM 124 General Inorganic Chemistry II Lab.....	2
PHYS 231 Fundamentals of Physics I.....	3
PHYS 232 Fundamentals of Physics II .....	3
PHYS 234 Fundamentals of Physics I Lab.....	2
PHYS 235 Fundamentals of Physics II Lab .....	2

**Required Program Courses (20 credits):**

BIOL 314 General Ecology.....	4
BIOL 425 Methods of Teaching Secondary Science.....	2
ESCI 115 Foundations of Earth Science.....	4
ESCI 204 Physical Geology .....	4
ESCI 315 General Hydrology.....	3
HPE 235 Principles of Health Education and Substance Abuse.....	3

**Education Core (37 credits):**

EDPY 215 Intro to Education Psychology .....	3
EDPY 350 Education and Psychology Exceptional Children .....	3
EDUC 100 Foundations of Education .....	3
EDUC 300 Introduction to Curriculum Planning and Practice.....	3
EDUC 321 Integrating Technology into Education.....	1
EDUC 376 Assessment in Education.....	2
EDUC 445 Teaching Reading, Writing & Critical Thinking Across the Curriculum.....	2
EDUC 455 Advanced Practicum in Education.....	3
EDUC 450 Secondary Teaching Practicum and Seminar.....	12
<b>OR</b>	
EDUC 475 Elementary and Secondary Teaching Practicum and Seminar .....	12
HPE 235 Principles of Health Education/Substance Abuse .....	3
PSYC 205 Human Growth and Development .....	3

**Program Selectives (6 credits):**

BIOL 322 Botany II .....	4
BIOL 324 Entomology .....	3
BIOL 334 Ornithology .....	3
BIOL 363 Lentic Ecology .....	3
BIOL 364 Stream Ecology .....	3
BIOL 455 Phycology .....	3
BIOL 468 Molecular Biology & Genetics .....	4
ESCI 310 Introduction to Paleontology .....	3

**Total minimum credits required for degree ..... 128**

**PLEASE NOTE: Students enrolling in this program may pay between \$5 - \$20/semester in course fees. Those fees are in addition to tuition and other fees.**



## SUGGESTED PLAN OF STUDY

### Bachelor of Science in Education Degree Teaching Major in Health and Physical Education

<b>Freshman year</b>	<b>F</b>	<b>S</b>
EDUC 100	3	
ENGL 111	3	
HPEA 15X	1	
HPE 233	2	
MATH 110	4	
Dist Req Area C	2	
Program Sequence	1	
CIS 110		3
EDPY 215		3
ENGL 112		3
HPE 231		3
PSYC 205		3
SPCH 141		3
<b>OR</b>		
SPCH 142		3
<b>Total</b>	<b>16</b>	<b>18</b>
<b>Sophomore year</b>		
BIOL 204	4	
<b>OR</b>		
BIOL 241	4	
HPE 235	3	
Dist Req Area A	3	
Program Sequence	3	
Minor or Concentration	3	
HPEA 15X	1	
HPE 234		2
HPE 274		3
Program Sequence		3
Minor or Concentration		9
<b>Total</b>	<b>17</b>	<b>17</b>
<b>Junior year</b>		
EDUC 321	1	
HPE 300	3	
HPE 306	2	
HPE 362	4	
HPE 376	2	
Minor or Concentration	6	
EDUC 300		3
EDUC 445		2
HPE 305		3
HPE 325		3
HPE 358		3
Minor or Concentration		3
<b>Total</b>	<b>18</b>	<b>17</b>
<b>Senior year</b>		
EDPY 350	3	
EDUC 376	2	
EDUC 455	3	
Program Sequence	3	
Dist Req Area B	3	
Minor or Concentration	3	
EDUC 475		12
<b>Total</b>	<b>17</b>	<b>12</b>

## Bachelor of Science in Education Degree Teaching Major in Health and Physical Education (K-12)

Credits

**General Education Core Requirements..... 15-16**

Some of these courses may be specified by your major, please consult with your academic advisor for more details.

**Distribution Requirements .....24**

Some of these requirements will be filled by required courses in your major. Please consult your academic advisor for more details.

### Required Courses

BIOL 204 Essentials of Anatomy and Physiology .....	4
<b>OR</b>	
BIOL 241 Anatomy and Physiology I.....	4
EDPY 215 Introduction to Educational Psychology .....	3
EDPY 350 Education and Psychology of Exceptional Children .....	3
EDUC 100 Foundations of Education .....	3
EDUC 300 Introduction to Curriculum Planning and Practice.....	3
EDUC 321 Integrating Technology into Education.....	1
EDUC 376 Assessment in Education .....	2
EDUC 445 Tchng Reading, Writing & Crit Thnkg Skills Acrs Curric .....	2
EDUC 455 Advanced Practicum in Education.....	3
EDUC 475 Elementary & Secondary Teaching Practicum & Seminar .....	12
HPE 231 Individual and Team Sports .....	3
HPE 233 Foundations of Health and Physical Education.....	2
HPE 234 First Aid and CPR .....	2
HPE 235 Principles of Health Education & Substance Abuse .....	3
HPE 274 Personal and Community Health.....	3
HPE 300 Physical Education in Elementary Schools .....	3
HPE 305 Methods & Materials in Health Education.....	3
HPE 306 Adapted Physical Education.....	2
HPE 325 Organization & Administration of Health & Physical Education ..	3
HPE 358 Physiology of Exercise.....	3
HPE 362 Biomechanics and Movement Education.....	4
HPE 376 Tests & Measurements in Health & Physical Education.....	2
PSYC 205 Human Growth and Development .....	3

### Select one course from the following list of selectives.

#### 15X Aquatic Skills Selectives

HPEA 150 Beginning Swimming .....	1
HPEA 151 Intermediate Swimming .....	1
HPEA 152 Skin and Scuba Diving.....	1
HPEA 153 Canoeing .....	1
HPEA 159 Selected Topics in Aquatic Skills.....	1

### Select one of the following four program sequences.

#### Coaching

HPE 248 Foundations of Coaching .....	3
HPE 370 Prevention and Care of Athletic Injuries .....	3
HPE 407 Issues in Competitive Athletics.....	3

#### OR

HPE 448 Psychology and Sociology in Sports .....	3
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### Select one course from the following list of 16X Team Sports Selectives

HPEA 160 Soccer.....	1
HPEA 161 Volleyball.....	1

HPEA 162 Floor Hockey.....	1
HPEA 163 Basketball .....	1
HPEA 164 Softball.....	1
HPEA 165 Touch Football.....	1
HPEA 166 Team Handball.....	1
HPEA 167 Wallyball .....	1
HPEA 169 Selected Topics in Team Sports.....	1

**Health Enhancement**

HPE 374 Current Issues in health .....	3
HPE 378 Sex Education .....	3
HPE 423 Marriage and Family Relationships.....	3

**Select one course from the following list of 18X Fitness and Wellness Selectives**

HPEA 180 Weight Control .....	1
HPEA 181 Weight Training.....	1
HPEA 182 Aerobic Dance .....	1
HPEA 183 Personal Self Defense.....	1
HPEA 184 Trimmastics .....	1
HPEA 185 Conditioning Activities.....	1
HPEA 186 Yoga.....	1
HPEA 187 Advanced Weight Training.....	1
HPEA 189 Selected Topics in Fitness and Wellness Skills .....	1

**Recreation**

HPE 236 Intramural and Recreational Activities .....	3
HPE 247 Techniques of Officiating.....	3
HPE 307 Community and School Recreation .....	3

**OR**

HPE 394 Outdoor Recreation.....	3
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**Select one course from the following list of 17X Outdoor Skills Selectives.**

HPEA 170 Alpine Skiing .....	1
HPEA 171 Cross Country Skiing.....	1
HPEA 172 Wilderness Camping.....	1
HPEA 173 Rock Climbing.....	1
HPEA 179 Selected Topics in Outdoor Skills.....	1

**Skills Development**

HPE 236 Intramural and Recreational Activities .....	3
HPE 359 Teaching Practice in Physical Education .....	1
HPE 374 Current Issues in Health.....	3
HPE 378 Sex Education .....	3

**Select one of the following two Areas of Concentration (required only if no minor)**

**Teaching and Coaching**

HPE 236 Intramural and Recreational Activities .....	3
HPE 247 Techniques of Officiating.....	3
HPE 359 Teaching Practice in Physical Education .....	1
HPE 378 Sex Education .....	3
HPE 407 Issues in Competitive Athletics** .....	3

**OR**

HPE 448 Psychology and Sociology in Sports**.....	3
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**Select three courses from the following list of selectives.**

HPE 340 Coaching Football.....	2
HPE 341 Coaching Basketball .....	2
HPE 342 Coaching Track and Field.....	2
HPE 343 Coaching Volleyball .....	2

**Select one course from the following list of selectives.**

HPE 344 Coaching Wrestling .....	2
HPE 345 Coaching Baseball/Softball .....	2
HPE 346 Coaching Gymnastics .....	2
HPE 340 Coaching Swimming .....	2

**Health Enhancement**

HPE 236 Intramural and Recreational Activities .....	3
HPE 307 Community and School Recreation .....	3
HPE 359 Teaching Practice in Physical Education .....	1
HPE 370 Prevention and Care of Athletic Injuries .....	3
HPE 394 Outdoor Recreation .....	3
HPE Selectives .....	6

**Select three courses from the following list of 18X Fitness and Wellness Selectives**

HPEA 180 Weight Control .....	1
HPEA 181 Weight Training .....	1
HPEA 182 Aerobic Dance .....	1
HPEA 183 Personal Self Defense .....	1
HPEA 184 Trimmastics .....	1
HPEA 185 Conditioning Activities .....	1
HPEA 186 Yoga .....	1
HPEA 187 Advanced Weight Training .....	1
HPEA 189 Selected Topics in Fitness and Wellness Skills .....	1

**Total minimum credits required for degree ..... 128**

\*\*Alternate to course taken in program sequence.

**PLEASE NOTE: Students enrolling in this program may pay between \$7 - \$15/semester in course fees. Those fees are in addition to tuition and other fees.**

## Teaching Minor in Physical Education & Health (K-12)

### Required Courses

BIOL 204 Essentials of Anatomy and Physiology ..... 4

#### OR

BIOL 241 Anatomy and Physiology I ..... 4

HPE 231 Individual and Team Sports ..... 3

HPE 233 Foundations of Health & Physical Education ..... 2

HPE 274 Personal & Community Health ..... 3

HPE 300 Physical Education in the Elementary Schools ..... 3

HPE 305 Methods and Materials in Health Education ..... 3

HPE 306 Adapted Physical Education ..... 2

HPE 325 Organization & Administration of Health & Physical Education.. 3

HPE 358 Physiology of Exercise ..... 3

HPE 362 Biomechanics & Movement Education ..... 4

HPE 376 Tests & Measurements in Health & Physical Education ..... 2

### Choose one course from the following list of selectives.

HPEA 150 Beginning Swimming ..... 1

HPEA 151 Intermediate Swimming ..... 1

HPEA 152 Skin and Scuba Diving ..... 1

HPEA 153 Canoeing ..... 1

HPEA 159 Selected Topics in Aquatic Skills ..... 1

**Total minimum credits required for minor ..... 33**

**PLEASE NOTE: Students enrolling in this program may pay between \$7 - \$15/semester in course fees. Those fees are in addition to tuition and other fees.**

## SUGGESTED PLAN OF STUDY

### Bachelor of Science Degree Major in Health Promotion

<b>Freshman year</b>	<b>F</b>	<b>S</b>
BUS 110	3	
ENGL 111	3	
HPE 233	2	
MATH 110	4	
PSYC 101	3	
BUS 120		3
CIS 110		3
ENGL 112		3
SPCH 141		3
<b>OR</b>		
SPCH 142		3
Dist Req Area C		2
<b>Total</b>	<b>15</b>	<b>14</b>

<b>Sophomore year</b>		
ACCT 261	3	
BIOL 204	4	
<b>OR</b>		
BIOL 241	4	
HPE 234	2	
HPE 235	3	
PSYC 205	3	
SOC 101	3	
BUS 271		3
HPE 236		3
HPE 274		3
TSS 246		3
<b>OR</b>		
TSS 370		3
Dist Req Area A		3
<b>Total</b>	<b>18</b>	<b>15</b>

<b>Junior year</b>		
BUS 300	3	
BUS 335	3	
HPE 231	3	
HPE 359	1	
HPE 362	4	
HPE 376	2	
BUS 332		3
HPE 305		3
HPE 325		4
HPE 358		3
HPE 423		3
<b>Total</b>	<b>16</b>	<b>16</b>

<b>Senior year</b>		
BUS 350	3	
ENGL 338	3	
HPE 370	3	
HPE 378	3	
HPE 374		3
HPE 479		6
SBM 338		3
SBM 402		3
<b>Total</b>	<b>12</b>	<b>15</b>

## Bachelor of Science Degree Major in Health Promotion

**General Education Core Requirements..... 15-16**  
Credits

Some of these courses may be specified by your major, please consult with your academic advisor for more details.

**Distribution Requirements .....24**  
Some of these requirements will be filled by required courses in your major. Please consult your academic advisor for more details.

### Required Courses

ACCT 261 Principles of Accounting I.....	3
BIOL 204 Essentials of Anatomy and Physiology .....	4
<b>OR</b>	
BIOL 241 Anatomy and Physiology I.....	4
BUS 110 Creative Problem Solving.....	3
BUS 120 Leadership and Quality Management .....	3
BUS 271 Legal Environment of Business.....	3
BUS 300 Management in Organizations .....	3
BUS 332 Human Resource Management .....	3
BUS 335 Principles of Marketing.....	3
BUS 350 Financial Management.....	3
ENGL 338 Public Relations Writing.....	3
HPE 231 Individual and Team Sports.....	3
HPE 233 Foundations of Health and Physical Education.....	2
HPE 234 First Aid and CPR.....	2
HPE 235 Principles of Health Education & Substance Abuse .....	3
HPE 236 Intramural & Recreational Activities .....	3
HPE 274 Personal and Community Health.....	3
HPE 305 Methods & Materials in Health Education.....	3
HPE 325 Organization & Administration of Health & Physical Education..	3
HPE 358 Physiology of Exercise.....	3
HPE 359 Teaching Practice in Physical Education .....	1
HPE 362 Biomechanics and Movement Education.....	4
HPE 370 Prevention & Care of Athletic Injuries .....	3
HPE 374 Current Issues in Health.....	3
HPE 376 Tests & Measurements in Health & Physical Education.....	2
HPE 378 Sex Education.....	3
HPE 423 Marriage and Family Relationships .....	3
HPE 479 Cooperative Education .....	6
PSYC 101 Introduction to Psychology .....	3
PSYC 205 Human Growth and Development .....	3
SBM 338 Promotions .....	3
SBM 402 Small Business Management .....	3
SOC 101 Introduction to Sociology .....	3
TSS 246 Technical Sales & Service.....	3
<b>OR</b>	
TSS 370 Technology, Innovation, & Management .....	3

**Total minimum credits required for degree.....120**

## Non-Teaching Minor in Health Promotion

<b>Required Courses:</b>	<b>Credits</b>
HPE 233 Foundations of Health and Physical Education .....	2
HPE 234 First Aid and CPR .....	2
HPE 235 Principles of Health Education & Substance Abuse .....	3
HPE 274 Personal and Community Health .....	3
HPE 305 Methods & Materials in Health Education .....	3
<b>OR</b>	
PSYC 315 Psychology of Development and Adjustment .....	3
HPE 359 Teaching Practice in Physical Education .....	1
HPE 374 Current Issues in Health.....	3
HPE 378 Sex Education .....	3
HPE 423 Marriage and Family Relationships .....	3
<b>Total minimum credits required for minor .....</b>	<b>23</b>

## SUGGESTED PLAN OF STUDY

### Bachelor of Science Degree Major in Industrial Technology with a Teaching Option

<b>Freshman year</b>	<b>F</b>	<b>S</b>	
CET 209	3		
CIS 110	3		
DRFT 131	4		
EDUC 100	3		
IT 110	3		
IT 120	3		
EDPY 215		3	
ENGL 111		3	
DRFT 156		3	
EET 110		3	
MATH 110		4	
<b>OR</b>			
MATH 112		3	
METL 155		3	
<b>Total</b>	<b>19</b>	<b>18-19</b>	
<b>Sophomore year</b>			
CET 173	3		
IT 210	3		
METL 140	3		
PSYC 205	3		
SPCH 141	3		
AUTO 128		4	
CET 213		3	
ENGL 112		3	
IT 130		3	
HPE 235		3	
<b>Total</b>	<b>15</b>	<b>16</b>	
<b>Junior year</b>			
CIS 360	3		
EDPY 350	3		
Dist Req-Area C Lab	3		
Suggested Tech course	3		
VOED 350	3		
Dist Req-Area A		3	
EDUC 300		3	
EDUC 445		2	
EDUC 455		3	
VOED 360		3	
<b>Total</b>	<b>15</b>	<b>14</b>	
<b>Senior year</b>			
EDUC 321	1		
EDUC 376	2		
VOED 370	3		
Suggested Tech course	3		
Suggested Tech course	4		
Dist Req-Area B	3		
EDUC 450		12	
<b>Total</b>	<b>17</b>	<b>12</b>	

## Bachelor of Science Degree Major in Industrial Technology: Teaching Option

**Credits**

**General Education Core Requirements** ..... 15-16  
Some of these courses may be specified by your major, please consult with your academic advisor for more details.

**Distribution Requirements**..... 24  
Some of these requirements will be filled by required courses in your major. Please consult your academic advisor for more details.

**Required Courses**

AUTO 128 Engines.....	4
BUS 300 Management in Organizations.....	3
CET 209 Introduction to Woodworking.....	3
CET 173 Architectural Construction & Materials.....	3
CET 213 Carpentry.....	3
CIS 360 Business Telecommunications & Networking.....	3
DRFT 131 Technical Graphics I.....	4
DRFT 156 Introduction to CAD.....	3
EDPY 215 Introduction to Educational Psychology.....	3
EDPY 350 Education and Psychology of Exceptional Children.....	3
EDUC 100 Foundations of Education.....	3
EDUC 300 Introduction to Curriculum Planning and Practice.....	3
EDUC 321 Integrating Technology into Education.....	1
EDUC 376 Assessment.....	2
EDUC 445 Teaching Reading, Writing & Critical Thinking Across the Curriculum.....	2
EDUC 450 Secondary Teaching Practicum & Seminar.....	12
EDUC 455 Advanced Practicum in Education.....	3
EET 110 Electronics Survey I.....	3
HPE 235 Principles of Health Ed/Substance Abuse.....	3
IT 110 Production Technology.....	3
IT 120 Communication Technology.....	3
IT 130 Construction Technology.....	3
IT 210 Energy/Power Technology.....	3
METL 140 Introduction to Welding and Cutting.....	3
METL 155 Machining Processes.....	3
MFGT 427 Quality Assurance.....	3
MFGT 470 Tool Design.....	3
PSYC 205 Human Growth and Development.....	3
VOED 350 Principles of Industrial/Technology Technology.....	3
VOED 360 Analysis & Prep Lab Management.....	3
VOED 370 Methods of Teaching Industrial/Technology Education.....	3

**Suggested Industrial Tech Ed Courses:**

AUTO 151 Diagnosis & Tune Up.....	3
AUTO 152 Diagnosis & Tune Up Lab.....	3
CET 220 Cnst. Mgmt & Bid Estimation.....	3
DIES 204 Intro to Hydraulic/Pneumatics.....	2
DIES 214 Intro to Hydraulic/Pneumatics Lab.....	2
EET 205 Communications Fundamentals.....	4
GDSN 220 Illustration I.....	3
METL 265 Intro to CNC/CAM.....	3
MFGT 341 CAD/CAM Applications.....	3
MFGT 342 CAD/CAM II.....	3

Total minimum credits required for degree 128

**Teaching Minor in Reading (K-12)**

**Required Courses**

EDPY 425 Learning Disabilities I.....	3
EDUC 334 Teaching the Integrated Language Arts.....	4
EDUC 335 Fund & Corrective Strategies in the Elem Reading Program.....	4
EDUC 440 Assessment in the Remedial Reading Program.....	2
EDUC 445 Teaching Reading/Writing/Critical Thinking Across the Curr...3	3
EDUC 448 Reading Materials for the Elementary Child.....	3

**Choose three courses from the following list of selectives.**

EDUC 259 Field Experience.....	3
EDUC 347 Speech, Hearing, & Language Devel of the Pre-School Child...3	3
ENGL 310 Literature for Children and Adolescents.....	3
ENGL 337 English Grammar.....	3
ENGL 380 Linguistics.....	3
NAS 330 American Indian Oral Tradition.....	3

**Total minimum credits required for minor ..... 28**

## SUGGESTED PLAN OF STUDY

### Bachelor of Science in Education Degree Teaching Major in Social Science

<b>Freshman year</b>	<b>F</b>	<b>S</b>
CIS 110	3	
EDUC 100	3	
ENGL 111	3	
ENGL 114	3	
<b>OR</b>		
ENGL 214	3	
HIST 131	3	
EDPY 215		3
ENGL 112		3
HIST 132		3
MATH 110		4
SPCH 141		3
<b>OR</b>		
SPCH 142		3
<b>Total</b>	<b>15</b>	<b>16</b>
<b>Sophomore year</b>		
Language	3-4	
HIST 141	3	
HIST 216	3	
PSYC 205	3	
Dist Req Area C	3	
Language		3-4
HIST 142		3
<b>OR</b>		
SOSC 201		3
HPE 235		3
SOSC 325		3
Dist Req Area C		3
<b>Total</b>	<b>15-16</b>	<b>15-16</b>
<b>Junior year</b>		
EDPY 350	3	
Selective	9	
Dist Req Area D	3	
ART 361		3
<b>OR</b>		
ART 362		3
<b>OR</b>		
DRMA 123		3
<b>OR</b>		
MUS 101		3
EDUC 300		3
EDUC 321		1
EDUC 445		2
HIST 310		3
HIST 449		3
<b>Total</b>	<b>15</b>	<b>15</b>
<b>Senior year</b>		
EDUC 376	2	
EDUC 455	3	
Selectives (300 level)	6	
Selective	3	
Electives	3	
EDUC 450		12
<b>OR</b>		
EDUC 475		12
Electives		3
<b>Total</b>	<b>17</b>	<b>15</b>

## Bachelor of Science in Education Degree Teaching Major in Social Science-Broadfield (5-12)

No Minor Required

Credits

**General Education Core Requirements..... 15-16**

Some of these courses may be specified by your major, please consult with your academic advisor for more details.

**Distribution Requirements .....24**

Some of these requirements will be filled by required courses in your major. Please consult your academic advisor for more details.

### Required Courses

ART 361 Art History of Western Civilization I .....	3
<b>OR</b>	
ART 362 Art History of Western Civilization II .....	3
<b>OR</b>	
DRMA 123 Introduction to Theatre .....	3
<b>OR</b>	
MUS 101 Introduction to Music History .....	3
EDUC 376 Assessment in Education .....	2
EDPY 215 Introduction to Educational Psychology .....	3
EDPY 350 Educational and Psychology of Exceptional Children .....	3
EDUC 100 Foundations of Education .....	3
EDUC 300 Introduction to Curriculum Planning and Practice.....	3
EDUC 321 Integrating Technology into Education.....	1
EDUC 445 Tchng Reading, Writing & Crit Thnkng Skills Acrs Curric .....	2
EDUC 450 Secondary Teaching Practicum & Seminar .....	12
<b>OR</b>	
EDUC 475 Elementary & Secondary Teaching Practicum & Seminar .....	12
EDUC 455 Advanced Practicum in Education .....	3
ENGL 114 Introduction to Literature .....	3
<b>OR</b>	
ENGL 214 Introduction to World Literature .....	3
HIST 131 American History I .....	3
HIST 132 American History II .....	3
HIST 141 History of Civilization I.....	3
HIST 142 History of Civilization II.....	3
HIST 216 Montana History .....	3
HIST 449 Historiography .....	3
HPE 234 First Aid and CPR .....	2
HPE 235 Principles of Health Education & Substance Abuse .....	3
Language (French, Spanish, German, Native American).....	6-8
POL 134 American Government .....	3
POL 201 State and Local Government .....	3
POL 235 Political Ideologies.....	3
POL 303 American Constitution .....	3
<b>POL 344 International Relations .....</b>	<b>3</b>
PSYC 205 Human Growth and Development .....	3
SOSC 325 Methods of Teaching History and Social Science .....	3

Continued on next page

**Choose six (6) credits HIST prefix (at least 3 credits at the 300 or 400 level)**

**Select 12 Credits from one of the following prefixes (3 credits must be at the 300 level):**

- ECON
- PSYC
- SOC

**Total minimum credits required for minor ..... 128**



## Teaching Minor in Traffic Education (5-12)

### Required Courses

EDUC 361 Traffic Safety Education I.....	3
EDUC 362 Traffic Safety Education II .....	3
EDUC 365 Motor Vehicle Law and Enforcement.....	2
HPE 234 First Aid and CPR .....	2
HPE 368 Safety Education .....	2

### Choose eight credits from the following list of selectives.

AUTO 105 Consumer Mechanics.....	2
EDUC 363 Motorcycle Safety Education.....	2
EDUC 367 Simulation in Traffic Safety.....	2
EDUC 368 Emergency Driving Procedures and Trailer Towing .....	2
HPE 374 Current Issues in Health .....	2

Additional possibilities for your selectives must be approved by your advisor.

**Total minimum credits required for minor .....20**

## Graduate Studies

**\*The graduate program “Policy and Procedure Manual” is currently undergoing changes that will negate this section of the catalog. Please check with your advisor regarding this section of the catalog. The most current manual can be found on the MSU-Northern Graduate Programs web page (<http://grad.msun.edu/programs.htm>).**

The graduate program provides sound academic preparation for individual graduate students, taking into consideration the student's experience, interests, and previous education. The programs provide studies that focus on recognition and definition of problems, data gathering, interpretation, and application.

The graduate program also offers a Fifth-Year Program leading to a Class I Teaching Certificate for elementary and secondary teachers.

Students who hold Class II certification, have had three years teaching experience, and have successfully completed the Master of Education degree or the Fifth-Year Program will be recommended for a Class I Teaching Certificate.

Students who complete the Master of Education degree with the counselor education option or minor, and who have successfully completed an internship in a public school K-12 setting, will be recommended for a K-12 counselor endorsement provided they currently hold a Montana teaching certificate and possess three years teaching experience.

Students who complete the Master of Education, Counselor Education Option, but lack teacher certification may be eligible for the Class 6 Specialist Certificate, provided a 600 hour internship in a K-12 setting is included in the program.

Students pursuing graduate study may plan their programs in a manner that will allow them to be recommended for either a supervisor's (Class III Certificate) or a reading specialist's endorsement on their existing Montana teaching certificate.

### Classification of Graduate Students

All students not matriculated for specific degrees are classified as graduate, non-degree students.

### Graduate Objectives

Students who apply for admission to Graduate Studies will be asked to state their objectives for degrees, credentials, or certification.

This statement should apply to any of the areas described below:

1. Master of Education in:
  - Counselor Education
  - Elementary Education
  - General Science
2. Master of Science in Education in:
  - Learning Development
3. Fifth-Year Program for elementary and secondary teachers.
4. Minor in counselor education
5. Other certification objectives.

### Advising

Upon Admission to Graduate Studies and the declaration of Master's degree objectives, the Chair/Dean of the College of Education and Graduate Programs will assign the student an advisor who will assist in planning a program to meet the individual's objectives. Students must confer with their advisor since the advisor must recommend approval to the Director of Graduate Programs of any course work to be counted toward a degree or certificate.

### **Residence, Transfer, and Extension Credit**

A maximum of 9 transfer credits may be included in the course work presented for the Master of Education Degree. However, Montana State University-Northern has a collaborative agreement with MSU-Billings and MSU-Bozeman such that specific courses completed in the Graduate Core will transfer to any of the three institutions over and above the nine transfer credits. Courses accepted for transfer credit must have been earned at the graduate level from an accredited institution and carry a letter grade of "B" or better. Courses which carry grades such as "P" or "S" are unacceptable for transfer credit.

### **Credit Earned Before Matriculation**

Up to 10 semester-hours of course credits earned, or the credits completed in the first semester prior to degree matriculation, may be applied toward a graduate degree.

### **Credit Load**

A student may carry up to 12 credits of graduate coursework in any semester.

### **Standards of Scholarship**

A student admitted to Graduate Study must maintain a grade average of "B" or better in all graduate work. A student who fails to meet this standard will be placed on probation, suspended from graduate study, or dismissed from the University. Decisions on such matters will be made by the Graduate Council in consultation with the appropriate advisor. A student who is suspended from Graduate Study or dismissed from the University may, through the petition procedure, request a review of the case by the Provost.

### **Admission to Candidacy**

Admission to Candidacy is granted when the student has obtained a minimum of nine (9), but fewer than fifteen (15) credits, in a degree program and has satisfied the requirements listed below.

The following qualifications and procedures are necessary for Admission to Candidacy:

- 1. Graduate Record Examination or Miller Analogy Test**

Students seeking the Master of Education degree must complete the General Test of the Graduate Record Examination with a specified minimum score, or the M.A.T. before gaining Admission to Candidacy. Students should contact the College of Education and Graduate Programs for specific information.

- 2. Scholarship**

At the time of application for Admission to Candidacy, the student must demonstrate adequate proficiency in oral and written communication and have a grade point average (GPA) of 3.00 or above for all graduate work taken at Montana State University-Northern to be applied toward the Master's degree.

- 3. Removal of Deficiencies**

Any deficiencies in the student's undergraduate program (identified at the time of admission to graduate studies) must be removed before making application for Admission to Candidacy for a Master's degree.

- 4. Program of Study**

As part of the application for matriculation, each candidate will file a program of study for a specific degree. The program of study will meet all graduation requirements and will be kept in the College of Education and Graduate Programs. Subsequent deviations must be appropriately approved.

- 5. Letters of Recommendation**

Two letters recommending the candidate for Graduate Studies must be in the candidate's file.

### **Comprehensive Examinations**

Candidates for a Master's degree shall complete a comprehensive evaluation during the last semester of enrollment in the graduate program. Such evaluations consist of both written and oral examinations. Candidates should notify their advisor and the College of Education and Graduate Programs of their intention to complete the examinations. The written examination assesses the student's professional experience, knowledge, and understanding. This examination is developed, administered, and evaluated by members of the student's Graduate Program Committee.

The candidate's advisor generally serves as the chairperson of the Graduate Program Committee, which is appointed by the Chair/Dean of the College of Education and Graduate Programs. The Graduate Program Committee also administers the comprehensive oral examination for each degree candidate and shall assign a grade of pass or fail for the comprehensive evaluation based on its determination of the candidate's competence. Those students who choose to write a thesis must file their thesis before their comprehensive examinations.

### **Application for Graduation**

A candidate for the Master's degree or the Fifth-Year Program must file an application for graduation with the Registrar's Office at the beginning of the semester in which the work for the degree is anticipated to be completed. In addition, the student's advisor must indicate approval for graduation to the College of Education and Graduate Programs.

### **Requirements for Graduation**

It is the responsibility of the Chair/Dean of the College of Education and Graduate Programs to certify that a student has met all the requirements for the degree, certificate, or credential sought. The requirements for graduation include:

- Filing an application for graduation at the beginning of the semester in which the degree is being granted.
- Completing all coursework as indicated on the approved program sheet. An approved petition must substantiate any changes.
- Maintaining a "B" (3.00) average in all graduate work presented for the approved program. Courses with grades such as "P" or "S" are unacceptable.
- Satisfactorily completing the required comprehensive examinations.
- Completing all credits applied to the program within six years or seven consecutive summers prior to the awarding of the degree.
- In addition, students who complete a thesis must have submitted two approved copies to the Chair/Dean of the College of Education and Graduate Programs.

### **Conferring of Degrees**

Although the completion of a degree is posted on the student's transcript at the end of the semester in which it was earned, diplomas are conferred only at the conclusion of Spring Semester with commencement exercises held on campus. While attendance at the exercises is not mandatory, students are urged to participate.

### **Fifth Year Program**

Teachers may choose to obtain a fifth-year of course work by concentrating in one area, or following a more generalized program. Areas of concentration which may be incorporated into Fifth-Year Programs are: art, English, health, history and social sciences, mathematics, physical education, music, and science. The Fifth-Year Program for teachers meets individual needs and supplements academic preparation in a chosen subject field. The program serves teachers who desire to strengthen their professional competency while working toward a professional level teaching certificate.

Students seeking admission to the Fifth-Year Program must complete the application form and submit it to the Chair/Dean of the College of Education and Graduate Programs. They must also make arrangements to have an official copy of the undergraduate transcript sent from the college or university where the degree was completed to the Office of Admissions at Montana State University-Northern. An official transcript sent directly from the college or university where the work was completed must substantiate all transfer credits.

Applicants for a Fifth-Year Program must satisfy all graduate study requirements, must have completed one year of professional teaching and must hold a degree in teacher education. Upon formal admission to the program, the student will be assigned an advisor. The advisor will assist in planning a program that meets the professional goals of the student.

Before completion of 10 semester credits of coursework, students, in consultation with the advisor, must outline the courses to be completed to meet the program requirements. Subsequent changes in the student's program must have the prior approval of the student's advisor and the Chair/Dean of the College of Education and Graduate Programs.

### **Completion of the Fifth-Year Program**

The satisfactory completion of an approved Fifth-Year Program leading to a recommendation for a Class I Certificate is verified by an appropriate statement on the transcript. By law, three years of successful teaching at the elementary or secondary level is required before the applicant may be recommended for the Class I Certificate. Students may enter the Fifth-Year Program after one year of teaching, but they will not be recommended for the Class I certificate until they have completed three years of successful teaching.

### **Requirements for the Fifth-Year Program**

In order to complete the Fifth-Year Program:

1. The student must complete a minimum of 30 semester-credits of approved coursework.
2. At least 20 semester-credits of approved coursework must be taken in residence at Montana State University-Northern.
3. At least 20 semester-credits of approved course work must be taken after the date on which the student's planned program is approved.
4. A professional or research paper may be included as a requirement in the student's Fifth-Year Program.
5. All credits used in completing the Fifth-Year Program must be earned within six years or seven consecutive summers of the completion date of the program.

Individuals who hold a Class II teaching certificate, possess three years of teaching experience, and successfully complete the Master of Education degree or the Fifth-Year Program, will be recommended for a Teaching Class I Certificate.

# Master of Education Degree Major in Counselor Education (K-12)

## Graduate Core

PSYC 515 Psychology of Development & Adjustment.....	3
EDUC 606 Research Methods.....	3
EDUC 607 Educational Measurement & Statistics.....	3

## Area of Specialization

CNSL 610 K-12 Counseling Program Development and Administration....	3
CNSL 620 Educational & Psychological Appraisal*.....	3
CNSL 625 Theories of Counseling & Development.....	3
CNSL 635 Counseling Skills and Practice .....	3
CNSL 638 Counseling Practicum .....	3
CNSL 643 Child & Adolescent Counseling.....	3
CNSL 652 Multi-Cultural Counseling .....	2
CNSL 660 Counseling & Medications.....	2
CNSL 654 Crisis Intervention Counseling.....	2
CNSL 661 Group Dynamics & Counseling .....	3
CNSL 671 Career Counseling Information Systems.....	2
CNSL 680 Counseling Internship .....	6
CNSL 682 Advanced Practicum .....	6
<b>Total credits required .....</b>	<b>50</b>

**Students who complete the Master of Education, Counselor Education, can plan their program in a manner that may qualify them with the Licensing Board to become professional counselors. Candidates for licensure must complete the Graduate Core, the Area of Specialization, a list of specified counseling courses, for a minimum of sixty semester credits.**

## Specified Counseling Courses:

CNSL 644 Marriage & Family Counseling .....	3
CNSL 648 Professional Ethics.....	2
CNSL 657 Community & Agency Consultation.....	2
CNSL 658 Diagnosis & Treatment in Counseling.....	3
<b>Total credits with specified counseling courses .....</b>	<b>60</b>

## Graduate Minor in Counselor Education (K-12)

### Required Courses

CNSL 610 K-12 Counseling Program Development and Administration	3
CNSL 620 Educational & Psychological Appraisal	3
CNSL 625 Theories of Counseling & Development	3
CNSL 635 Counseling Skills and Practice	3
CNSL 638 Counseling Practicum	3
CNSL 643 Child & Adolescent Counseling	3
CNSL 652 Multi-cultural Counseling	2
CNSL 661 Group Dynamics/Counseling	3
CNSL 671 Career Counseling Information Systems	2
CNSL 680 Counseling & Development Internship	6
EDUC 603 Curriculum Foundations and Design	3

### OR

EDPY 604 Applied Classroom Psychology	3
EDUC 606 Research Methods I	3

### OR

EDUC 607 Educational Measurement & Statistics	3
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PSYC 515 Psychology of Development and Adjustment	3
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<b>Total minimum credits required for minor</b>	<b>42</b>
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## Master of Education Degree Major in Elementary Education

### Required Courses

EDUC 603 Curriculum Foundations and Design	3
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### OR

EDPY 604 Applied Classroom Psychology	3
EDUC 606 Research Methods	3
EDUC 607 Educational Measurement & Statistics	3

### Area of Specialization

EDPY 525 Learning Disabilities	3
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### OR

EDPY 550 Education & Psychology of Exceptional Children	3
EDUC 643 Child and Family Counseling	3
EDUC 660 Developmental and Remedial Reading	3
EDUC 661 Supervision & Teaching Language Arts in the Elem School*	3
EDUC 670 Elementary Curriculum	3
EDUC 671 Instructional Materials for the Elementary Child	3

### Choose 9 credits from the following list of selectives.

CNSL 648 Professional Ethics	2
CNSL 654 Crisis Intervention Counseling	2
CNSL 661 Group Dynamics/Counseling	3
EDUC 608 Audio-Visual Communication in Education	2
EDUC 627 Supervision of Student Tchrs & Field Practicum Stdnts	3
EDUC 630 General School Administration and Finance*	3
EDUC 633 Supervision of Instruction*	2
EDUC 636 Foundations of Early Childhood Education	2
EDUC 638 Evaluation and Assessment of the Pre-School Child	2
EDUC 640 School Law	3

EDUC 650 Critical and Creative Thinking in Learning.....	3
EDUC 652 Learning Systems: Theory and Design.....	3
EDUC 654 Graduate Seminar .....	1-3
EDUC 662 Advanced Strategies in Reading.....	3
EDUC 663 Supervision and Teaching of Elementary School Math* .....	3
EDUC 672 Elementary School Administration & Supervision* .....	3
EDUC 680 Internship * .....	4
<b>Total minimum credits required for degree .....</b>	<b>36</b>

**\*Students possessing three years of K-12 teaching experience when completing the Master of Education degree, Elementary Education Option, may be eligible to apply for a supervisor's endorsement if they complete these courses.**

## **Master of Education Degree Major in General Science**

### **Required Courses**

EDUC 603 Curriculum Foundations and Design.....	3
<b>OR</b>	
EDPY 604 Applied Classroom Psychology.....	3
EDUC 606 Research Methods.....	3
EDUC 607 Educational Measurement & Statistics.....	3

### **Area of Specialization**

GSCI 512 Environmental Problems.....	3
GSCI 602 History and Philosophy of Science .....	3
GSCI 621 Integrated Life Science .....	3
GSCI 622 Integrated Physical Science.....	3
GSCI 631 Integrated Science Principles for Teachers .....	3
GSCI 693 Assessment Seminar.....	2

### **Choose 10 credits from the following list of selectives.**

BIOL 507 Freshwater Biology.....	3
BIOL 508 Flowering Plants of the Plains and Mountains.....	3
BIOL 506 Molecular Biology Techniques.....	3
BIOL 515 Ecological Methods .....	3
BIOL 635 Advanced Zoology .....	3
ESCI 505 Earth Science Investigations for Teachers.....	3
Science Elective .....	3

<b>Total minimum credits required for degree .....</b>	<b>36</b>
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# Master of Science in Education Degree Major in Learning Development

The Master's of Science degree, Learning Development option is offered in a COHORT format. All courses are offered on a weekend basis with Internet support, with a start to finish time line of two years. Interested parties should contact the College of Education and Graduate Programs office for information regarding the start-up of new COHORT groups and their locations. Individuals and groups interested in starting a COHORT group in their location should contact the College of Education Graduate Programs at 1-800-662-6132, extension 3738. Further information regarding the program will be made available to eligible participants.

### Required Courses

EDUC 674 Patterns for IDEAS .....	3
EDUC 606 Research Methods.....	3
EDUC 607 Educational Measurement & Statistics.....	3

### Area of Specialization

EDUC 650 Critical and Creative Thinking in Learning.....	3
EDUC 652 Learning Systems: Theory and Design.....	3
EDUC 654 Graduate Seminar: Learning Project .....	3
PSYC 515 Psychology of Development and Adjustment .....	3

### Application Area.

EDUC 657 Project TEACH .....	3
EDUC 658 PRIDE .....	3
EDUC 675 Cooperative Learning.....	3
EDUC 677 Multiple Intelligences.....	3
EDUC 678 Learning Channels .....	3

**Total minimum credits required for degree ..... 36**