Elementary Education K-8

The Department of Education offers a teacher education program for students seeking teaching careers in grades kindergarten through eight (K-8). The Elementary Education major is designed to provide a broad educational foundation with a focus on how science, technology, engineering and math interconnect within the language arts, social studies, arts, and health enhancement curricula. This program content is essential in the preparation of successful K-8 pre-service teachers.

Prospective elementary school teachers follow a program of study the first two years which is essentially the same for all students. There is sufficient flexibility, however, for specialization in the various teaching options available.

One of the major attributes of the Elementary Education program at Montana State University is its extensive field experience component. This includes service learning experiences in the freshman year, micro-teaching experiences in the After School Partnership in the sophomore year, and two practicum teaching semesters prior to student teaching. During these semesters, students spend the equivalent of four half-days for a minimum of eight weeks in supervised settings working directly with children while concurrently completing methods courses on campus. The final clinical experience is student teaching where students spend fourteen weeks in a supervised classroom setting.

Students in the Elementary Education K-8 program can choose to add the following options: early childhood, mathematics, science, and/or special education. These options permit students to focus in these specific areas in addition to completing the K-8 degree requirements. The options, while not providing additional endorsements in the specialties addressed, do allow for added study in each area. Students can also pursue teaching minors which would provide additional endorsements in the State of Montana: http://www.montana.edu/fieldplacement/tepp-approval.shtml

Students in 5-12 and K-12 teaching majors are required to take courses in certain areas of professional education. A grade of "C" or better is required in all professional education courses; a "C-" is not acceptable. See the Teacher Education Program (http://catalog.montana.edu/undergraduate/education-health-human-development/department-education/teacher-education-program) website for entrance requirements.

Graduate degree programs are offered for students who wish to pursue advanced programs in curriculum and instruction (See The Graduate School's website (http://catalog.montana.edu/graduate/education-health-human-development/education)).

Coursework Required for Elementary Education K-8

See Teacher Education Program (http://catalog.montana.edu/undergraduate/education-health-human-development/department-education/teacher-education-program) for entrance requirements.

EDUCORE - Discovering the Nature of the Disciplines		
EDU 101US	Teaching and Learning	3
WRIT 101W	College Writing I	3
M 133Q	Geometry & Measure K-8 Teachers	3
EDU 211D	Multicultural Education	3
TE 250CS	Technology and Society	3
EDU 204IA	Arts & Lifelong Learning	3
Choose one of the following:		4
HSTA 101IH	American History I	
HSTA 102IH	American History II	
HSTR 101IH	Western Civilization I	
HSTR 102IH	Western Civilization II	
EDU 222IS	Educ Psych & Child Development	3
or EDU 223IS	Educ Psych and Adolescent Dev	
IN	Met through courses below	
R	Met through course below	
Professional Content - Building a Strong Foundation		
Choose one of the following:		3
AMST 101D	Introduction to American Studies	
ANTY 101D	Anthropology and the Human Experience	
GPHY 121D	Human Geography	
GPHY 141D	Geography of World Regions	
SOCI 101IS	Introduction to Sociology	
M 132	Numbers & Operations for K-8 Teachers	3
M 234	Higher Math for K-8 Teachers	3
Approved STEM Elective *		3
Life Science choose one of the following:		3-4
BIOB 100IN	Organism Function	
BIOM 103IN	Unseen Universe: Microbes	
Earth Science choose one of the following:		3-4
ERTH 101IN	Earth System Sciences	
ERTH 212RN	Yellowstone: Scientific Lab	
GEO 103CS	Intro to Envrmntl Geology	
GEO 105IN	Oceanography	
GEO 111IN	Dinosaurs	
GEO 140IN	Planetary Geoscience	
Physical Science choose one of the following:		3-4
CHMY 102CS	Applying Chemistry to Society	
PHSX 103IN	The Physics of How Things Work	
PHSX 201IN	Physics by Inquiry	
NASX 105D	Introduction to Native American Studies	3
or NASX 205D	Native Americans in Contemporary Society	
or NASX 232D	MT Indians: Cultures, Histories, Current Issues	
PSCI 210IS	Introduction to American Government	3
EDU 330	Emergent Literacy	3
EDU 331	Lit and Literacy for Children	3
EDU 370	Integrating Tech into Educ	2
EDU 382	Assessmt, Curric, Instructn	3
EDU 397	Methods (K-8 Health Enhancement)	3
EDSP 306	Exceptional Learners	3
Electives		11-13
K-8 Teaching Methods - Developing Instructional Materials		
EDU 342	Managing the Learning Envir	3
EDU 395	Practicum (I)	3
EDU 397	Methods (K-8 Language Arts Methods)	3
EDU 397	Methods (K-8 Creative Arts Methods)	3
EDU 397R	Methods:K-8 Social Studies	3
EDU 397	Methods (K-8 Math Methods)	3
EDU 397	Methods (K-8 Science Methods)	3
EDU 395	Practicum (II)	3
EDU 438	Ltrcy Asmnt, Diagnos and Instr	3
EDU 495	Student Teaching	12
Total Credits		120

Note: A student must be admitted into the Teacher Education Program before enrolling in the Developing Instructional Materials K-8 Teaching Methods courses.

Recommended Program Sequence Elementary Education K-8

Freshman Year	**Credits**
EDU 101US - Teaching and Learning	3
M 132 - Numbers & Operations for K-8 Teachers	3
EDU 222IS - Educ Psych & Child Development or EDU 223IS - Educ Psych and Adolescent Dev	3
BIOB 100IN - Organism Function or BIOM 103IN - Unseen Universe: Microbes	3
NASX 105D - Introduction to Native American Studies or NASX 205D - Native Americans in Contemporary Society or NASX 232D - MT Indians: Cultures, Histories, Current Issues	3
EDU 204IA - Arts & Lifelong Learning	3
AMST 101D - Introduction to American Studies or ANTY 101D - Anthropology and the Human Experience or GPHY 121D - Human Geography or GPHY 141D - Geography of World Regions or SOCI 101IS - Introduction to Sociology	3
M 133Q - Geometry & Measure K-8 Teachers	3
Stem Elective *	3
Core - W Core	3
Year Total:	30
Sophomore Year	**Credits**
HSTA 101IH - American History I or HSTA 102IH - American History II or HSTR 101IH - Western Civilization I or HSTR 102IH - Western Civilization II	4
TE 250CS - Technology and Society	3
PHSX 201IN - Physics by Inquiry or CHMY 102CS - Applying Chemistry to Society or PHSX 103IN - The Physics of How Things Work	3
M 234 - Higher Math for K-8 Teachers	3
EDU 211D - Multicultural Education	3
PSCI 210IS - Introduction to American Government	3
ERTH 101IN - Earth System Sciences or ERTH 212RN - Yellowstone: Scientific Lab or GEO 103CS - Intro to Envrmntl Geology or GEO 105IN - Oceanography or GEO 111IN - Dinosaurs or GEO 140IN - Planetary Geoscience	3-4
EDU 370 - Integrating Tech into Educ	2
EDU 330 - Emergent Literacy	3
Elective	3
Year Total:	30-31
Junior Year	**Credits**
EDU 382 - Assessmt, Curric, Instructn	3
EDSP 306 - Exceptional Learners	3
Electives	6-8
EDU 331 - Lit and Literacy for Children	3
EDU 397 - Methods (K-8 Health Enhancement)	3
EDU 397 - Methods (K-8 Creative Arts Methods)	3
EDU 397 - Methods (K-8 Science Methods)	3
EDU 342 - Managing the Learning Envir	3
EDU 395 - Practicum (I)	3
Year Total:	30-32
Senior Year	**Credits**
EDU 397 - Methods (K-8 Math Methods)	3
EDU 397 - Methods (K-8 Social Studies Methods)	3
EDU 397 - Methods (K-8 Language Arts Methods)	3
EDU 395 - Practicum (II)	3
EDU 438 - Ltrcy Asmnt, Diagnos and Instr	3
~ Student Teaching Semester~	
EDU 495 - Student Teaching	12
Year Total:	27
Total Program Credits:	120

A minimum of 120 credits is required for graduation; 42 of these credits must be in courses numbered 300 and above.

* See advisor to choose one course from stem list.

Early Childhood Education Option

All early childhood education option students must meet the requirements of the Elementary Education K-8 curriculum, with these additions:

EDEC 160	Early Childhood Development	3
EDEC 271	Paraprofessional Experience in Early Childhood	2
EDEC 350	Play and Learning in Early Childhood	3
EDSP 306	Exceptional Learners	3
EDEC 385	Integrated Curriculum Early Childhood Education	4
EDSP 458	Assessment and Intervention	4
Total Credits		19

Students choosing this option voluntarily select a program that requires additional coursework beyond the 120 credits required for a standard four-year degree.

Mathematics Option

All mathematics education option students must meet the requirements of the Elementary Education K-8 curriculum, with these additions:

EDU 497R	Methods: 5-8 Mathematics	3
STAT 216Q	Introduction to Statistics	3
M 420	Geometry, Measurement, and Data in the Middle Grades	3
or M 424	Algebraic Thinking and Number Sense in the Middle Grades	
Recommended Mathematics Elective: (cannot double count in any credits)		
Choose two of the following:		6
M 149Q	Secrets of the Infinite	
M 147Q	Language of Mathematics	
M 151Q	Precalculus	
M 161Q	Survey of Calculus	
M 171Q	Calculus I	
M 420	Geometry, Measurement, and Data in the Middle Grades	
M 424	Algebraic Thinking and Number Sense in the Middle Grades	
STAT 217Q	Intermediate Statistical Concepts	

Or another approved Mathematics course	
Total Credits	15

Students choosing this option voluntarily select a program that requires additional coursework beyond the 120 credits required for a standard four-year degree.

Science Education Option

All science option students must meet the requirements of the Elementary Education K-8 curriculum, with these additions:(Note: Some of the listed courses may be taken in the regular Elementary Education K-8 curriculum, thus decreasing the number of credits required in this option.)

Choose one lab course and one additiional course from the following:		7-8
BIOB 160	Principles of Living Systems	
BIOE 103CS	Environmental Science and Society	
BIOB 170IN	Principles of Biological Diversity	
BIOM 103IN	Unseen Universe: Microbes	
Choose one lab course and one additional course from the following:		7-8
ERTH 101IN	Earth System Sciences	
ERTH 212RN	Yellowstone: Scientific Lab	
GEO 103CS	Intro to Envrmntl Geology	
ASTR 110IN	Introduction to Astronomy: Mysteries of the Sky	
Choose one Chemistry and one Physics lab course and one additional course from the following:		9-12
CHMY 121IN	Introduction to General Chemistry	
CHMY 141	College Chemistry I	
PHSX 103IN	The Physics of How Things Work	
PHSX 201IN	Physics by Inquiry	
PHSX 205	College Physics I	
PHSX 207	College Physics II	
Total Credits		23-28

Students choosing this option voluntarily select a program that requires additional coursework beyond the 120 credits required for a standard four-year degree.

Special Education Option

All special education option students must meet the requirements of the Elementary Education K-8, K-12, or 5-12 curriculum with these additions:

EDSP 306	Exceptional Learners	3
EDSP 307	Exceptional Learners Lab	1
EDU 438	Ltrcy Asmnt, Diagnos and Instr	3
EDSP 458	Assessment and Intervention	4
Take three approved Special Education Course offerings from MSU-Billings		9
Total Credits		20

Students choosing this option voluntarily select a program that requires additional coursework beyond the 120 credits required for a standard four-year degree.

Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.