

GEO 105N (GEOS 105N) Oceanography or GEO 108N (GEOS 108N) Climate Change
Total Credits

3 3
62 43

A biology major qualifies as a single-field endorsement. Although not required, it is recommended that students complete a second teaching major or minor.

Business Education

Grades 5-12. Qualifies as a single-field endorsement.

For licensure in the major teaching field of Business Education, a student must complete the requirements for a B.S. in Business Administration with a major in one of the following: accounting, finance, management, management information systems, or marketing. They also must complete the business and information technology education coursework. The course list below illustrates the management information systems major. Individuals holding a baccalaureate degree must meet these requirements by completing the courses listed below or demonstrate course equivalency.

For licensure in the minor teaching field of business and information technology education, a student must complete the courses in the minor teaching field listed below or demonstrate course equivalency.

	Maj	Min.
ACTG 201 (ACCT 201) Principles of Financial Accounting	3	3
ACTG 202 (ACCT 202) Principles of Managerial Accounting	3	-
BGEN 235 (BADM 257) Business Law	3	3
C&I 287 Business Communications	3	3
C&I 341 Information Management & Design	3	3
EDU 497 (C&I 429) Methods: 5-12 Business Subjects (coreq EDU 395 (C&I 301 & 302))	4	4
EDU 472 (C&I 444) Advanced Technology and Supervision	3	3
COMX 111A (COMM 111A) Intro to Public Speaking	3	-
CSCI 172 (CS 172) Introduction to Computer Modeling	3	3
ECNS 201S (ECON 111S) Principles of Microeconomics	3	3
ECNS 202 (ECONS 112S) Principles of Macroeconomics	3	-
BFIN 322 (FIN 322) Business Finance	3	-
BMIS 270 (MIS 270) MIS Foundation of Business	3	-
BMGT 322 (MIS 341) Operations Management	3	-
BMIS 365 (MIS 371) Business Applications Development	3	-
BMIS 370 (MIS 370) Managing Information and Data	3	-
BMIS 372 (MIS 372) Information Infrastructures: A Strategic Perspective	3	-
BMIS 373 (MIS 373) Systems Analysis and Design	3	-
BMIS 476 (MIS 476) Integrated Project Management for IS	3	-
M 115 (MATH 117) Probability and Linear Math	3	3
STAT 216 (MATH 241) Introduction to Statistics	4	-
BMGT 340S (MGMT 340S) Management and Organizational Behavior	3	-
BMGT 486 Strategic Venture Management	3	-
BGEN 499 Integrative Business Simulation	1	-
BMKT 325 (MKTG 360) Marketing Principles	3	3
Total Credits	75	31

Business Education qualifies as a single-field endorsement. Although not required, it is recommended that students complete a second teaching major or minor.

Chemistry

Grades 5-12. Qualifies as a single-field endorsement.

For an endorsement in the major teaching field of Chemistry, a student must complete the requirements for the B.A. with a major in Chemistry, with appropriate electives, and with the addition of CHMY 485 (CHEM 485). A student also must complete STAT 216 (MATH 241), BIOL 380, C&I 426 and SCI 350 (see the Department of Chemistry section of this catalog and below). The foreign language requirement is waived by the Department of Chemistry for students using the B.A. degree for teacher licensure. Individuals holding a baccalaureate degree must meet these requirements by completing the courses listed below or demonstrate course equivalency.

For endorsement in the minor teaching field of Chemistry, a student must complete the courses in the minor teaching field listed below or demonstrate course equivalency.

	Maj.	Min.
CHMY 101N (CHEM 101) Chemistry for the Consumer	-	3
CHMY 141N & 143N (CHEM 161N-162N) College Chemistry and Laboratory	10	10
CHMY 221-222-223 (CHEM 221-222-223) Organic Chemistry and Laboratory	-	8
CHMY 221, 222, 223, 225 (CHEM 221, 222, 223, 264) (or 224 in place of 225 (CHEM 264)) Organic Chemistry and Lab	10	-
CHMY 302E (CHEM 334) Chemistry Literature and Scientific Writing	3	-

CHMY 360 (CHEM 370) Applied Physical Chemistry or CHMY 373 (CHEM 371) Phys Chem-Kntcs & Thrmdynmcs	-	3-4
CHMY 373-371 (CHEM 371-372) Phys Chem-Qntm Chm & Spctrscopy & Phys Chem-Kntcs & Thrmdynmcs	8	-
CMHY 311 (CHEM 341) Analytical Chem-Quant Analysis	4	4
CHMY 421 (CHEM 342) Advanced Instrument Analysis	4	-
CHMY 401-403 (CHEM 452-453) Advanced Inorganic Chemistry & Descriptive Inorganic Chem	6	-
CHMY 485 (CHEM 485) Laboratory Safety	1	1
CHMY 494 (CHEM 494) Seminar/Workshop	1	-
BCH 380 (BIOC 380) Biochemistry	4	4
CSCI 172 (CS 172) Intro to Computer Modeling	3	3
M 171, 172, AND 273 (MATH 152, 153, and 251) Calculus I, II, and III	12	-
M 162 (MATH 152) Applied Calculus	-	4
STAT 216 (MATH 241) Introduction to Statistics	4	4
PHSX 215N-216N-217N-218N (PHYS 211N-213-212N-214N) Fundamentals of Physics with Calculus I & II & Labs	10	-
PHSX 205N-206N-207N-208N (PHYS 111N-113N-112N-114N) College Physics I & II & Labs	-	10
SCI 350 Environmental Perspectives	2	2
EDU 497 (C&I 426) Methods: Science 5-12 C&I Teaching Science in Middle & Secondary Schools (coreq EDU 395 (C&I 301 or 302))	3	3
Total Credits	85	59-60

A chemistry major qualifies as a single-field endorsement.

Although not required, it is recommended that students complete a second teaching major or minor.

Dance, Specialization in Education

Grades K-12. Area of Permissive Special Competency only.

This minor leads to an area of permissive special competency in dance for those attaining or holding a Montana teaching license. It does not qualify as a teaching endorsement in Montana.

	Maj
DANC 220A (DAN 201A) Beginning Composition	2
DANC 298 (DAN 428) Internship: Children's Dance	2
DANC 300 (DAN 300) Modern III or DANC 310 (DAN 304) Ballet III	2-3
DANC 360L (DAN 335L) World Dance (also Group X)	3
DANC 440 (DAN 425) Dance Pedagogy	3
DANC 497 (DAN 427) Methods: Teaching Movement in Schools	6
Students should choose one course in Jazz, Tap, Social Dance, Cultural/World Dance or Traditional/Indigenous Dance (as available; by advisement)	2
Total Credits	20-21

Earth Science

Grades 5-12. Major only. Does not qualify as a single field endorsement.

For an endorsement in the major teaching field of Earth Science, a student must complete the requirements for the B.S. with a major in Geosciences, Earth Science Education option (see the Department of Geosciences section of this catalog and below). Individuals holding a baccalaureate degree must meet these requirements by completing the courses listed below or demonstrate course equivalency.

	Maj.
GEO 101N-102N (GEOS 100N-101N) Intro to Physical Geology & Lab	4
GEO 105N (GEOS 105N) Oceanography or GEO 108 Climate Change	3
GEO 231 (GEOS 230) Geosciences Field Methods	2
GEO 225 Earth Materials	4
GEO 211 (GEOS 200) Earth Hist & Evolution	2
GEO 228 Earth Surface Processes	2
GEO 304 Science and Society	3
GEO 311 Paleobiology	3
GEO (GEOS) Courses numbered 300 or above	3
ASTR 131N Elementary Astronomy I	3
CHMY 121N Intro to General Chemistry	3
CHMY 123N Intro to Organic & Biochemistry	3
CHMY 485 Laboratory Safety	1
PHSX 205/206 College Physics I with Lab	5
PHSX 207/208 College Physics II with Lab	5
M 151 (MATH 121) Precalculus	4
STAT 216 Introduction to Statistics	4
EDU 497 (C&I 426) Methods: 5-12 Science (coreq. EDU 395 (C&I 301 OR 302))	3
Total Credits	57

The demand for teaching in this field is limited. The required second endorsement (either a teaching major or teaching minor) should be in a field in high demand.

Economics

Grades 5-12. Does not qualify as a single field endorsement.

For an endorsement in the major teaching field of Economics, a student must complete the requirements for the B.A. with a major in Economics (see the Department of Economics section of this catalog and below). Individuals holding a baccalaureate degree must meet these requirements by completing the courses listed below or demonstrate course equivalency.

For an endorsement in the minor teaching field of Economics, a student must complete the courses in the minor teaching field listed below or demonstrate course equivalency.

	Maj	Min.
ECNS 201S-202S (ECON 111S-112S) Principles of Micro- and Macroeconomics	6	6
ECNS 301 (ECON 311) Intermediate Microeconomics with Calculus	3	3
ECNS 302 (ECON 313) Intermediate Macroeconomics	3	3
ECNS 403 (ECON 460) Introduction to Econometrics	4	-
Economics electives 300-level or above	14	6
ECNS 488, 494, 499 (ECON 488, 487, 489) Senior Thesis sequence	6	-
EDU 497 (C&I 428) Methods: 5-12 Social Studies (coreq. EDU 395 (C&I 301 or 302))	3	3
M 115 (MATH 117), 162 (MATH 150) or 171-172 (MATH 152-153) Probability, Linear Math, Applied Calculus OR Calculus I, II 7-8	4	-
STAT 216 (MATH 241) Introduction to Statistics	4	-
Total Credits	50-51	21

The demand for teaching in this field is limited. The second endorsement (either teaching major or teaching minor) should be in a field in high demand.

English

Grades 5-12. Qualifies as a single-field endorsement.

For an endorsement in the extended major teaching field of English, a student must complete the requirements for the B.A. with a major in English, English Teaching option (see the Department of English section of this catalog and below). Individuals holding a baccalaureate degree must meet these requirements by completing the courses listed below or demonstrate course equivalency.

For an endorsement in the minor teaching field of English, a student must complete the courses in the minor teaching field listed below or demonstrate course equivalent.

	Maj	Min.
LIT 220L (ENLT 217L) Brit Lit: Med to Renaissance or LIT 221L (ENLT 218L) Brit Lit: Enlightenment to Rom	3	3
Choose 2: LIT 222L (ENLT 219) Brit Lit: Victorian to Contemp, LIT 210L (ENLT 224L) American Lit I, LIT 211L (ENLT 225L) American Lit II	6	6
LIT 300 (ENLT 301) Literary Criticism	3	3
LIT 327 (ENLT 320) Shakespeare	3	3
One course in poetry chosen from LIT 120L (ENLT 121L), LIT 201 or CRWR 211A (ENCR 211A)	3	-
One 300-level LIT (ENLT) course with an American literature focus	3	3
One 300-level LIT (ENLT) course with a diversity focus	3	3
ENLI 465 Structure and History of English for Teachers	3	3
ENT 439 Studies in Young Adult Literature	3	3
ENT 440 Teaching Writing	3	3
ENT 441 Teaching Reading and Literature	3	3
ENT 442 Teaching Oral Language and Media Literacy (coreq. EDU 395 (C&I 301 or 302) with either ENT 440, 441, or 442)	3	3
English Electives	6	-
Total Credits	45	36

An English major qualifies for a single-field endorsement.

Although not required, it is recommended that students complete a second teaching major or minor.

English as a Second Language*

Grades K-12. Minor only.

For an endorsement in the minor teaching field of English as a Second Language, a student must complete the courses in the minor teaching field as listed in the Linguistics section of this catalog and listed below or demonstrate course equivalency.

	Min.
LING 470 Linguistic Analysis	3

LING 471 Phoenitics and Phonology	3
LING 472 Generative Syntax	3
LING 477 Bilingualism or 478 Second Language Development	3
At least two courses from the following:	
LING 466 Pedagogical Grammar	
LING 473 Language and Culture	
LING 475 Linguistics Field Methods	
LING 476 Child Language Acquisition	
LING 489 Morphology	6
LING 480 Teaching English as a Foreign Language	3
LING 491 ESL Practicum	3
Total Credits	24

***Students must have the equivalent of two years of a foreign language. Non-native speakers of English must take an English competency examination administered by the chair of the Linguistics Program. Courses required for the teaching minor cannot be taken on a credit/no credit basis.**

French*

Grades K-12. Qualifies as a single-field endorsement.

For an endorsement in the extended major teaching field of French, a student must complete the requirements for the B.A. with a major in French including FRCH 400 (FREN 401) and MCLG 410 (see the Department of Modern and Classical Languages and Literatures section of this catalog and below). Individuals holding a baccalaureate degree must meet these requirements by completing the courses listed below or demonstrate course equivalency.

For an endorsement in the minor teaching field of French, a student must complete the courses in the minor teaching field listed below or demonstrate course equivalency.

MCLG 410 Methods of Teaching Foreign Languages (prereq. to student teaching; coreq. C&I 301 or 302)

	Maj	Min.
FRCH 101-102 (FREN 101-102) Elementary French	10	10
FRCH 201-202 (FREN 201-202) Intermediate French	8	8
FRCH 301 (FREN 301) Oral and Written Expression	3	3
FRCH 350 (FREN 302) French Civilization and Culture	3	3
Three French Literature courses from the following: FRCH 310, 311, 312, 313 (FREN 311L, 312L, 313L)	9	-
FRCH 421 (FREN 408) Advanced Composition and Conversation	3	3
FRCH (FREN) literature at the 400-level	3	-
FRCH (FREN) upper-division electives (of which 3 cr. must be culture or literature)	9	-
LING 270 Introduction to Linguistics	3	3
MCLG 410 Methods of Teaching Foreign Languages (coreq. EDU 395 (C&I 301 or 302))	3	3
Total Credits	54	33

***The Department of Modern and Classical Languages and Literatures requires a recommendation of the student's language proficiency and an overall minimum grade point average of 3.00 in upper-division course work in both the teaching major and minor as a prerequisite to student teaching. Study in a French language country, provided either through UM's Study Abroad Program or an experience considered to be equivalent also is required.**

A French major qualifies as a single-field endorsement. Although not required, it is recommended that students complete a second teaching major or minor.

General Science Broadfield Major

Grades 5-12. Qualifies as a single-field endorsement.

For an endorsement in the extended major field of General Science, a student must complete the requirements for the B.A. with a major in Biology, Ecology option (see the Biology section of this catalog and below). Individuals holding a baccalaureate degree must meet these requirements by completing the courses listed below or demonstrate course equivalency.

ASTR 131N, 134N Elementary Astronomy and Laboratory	4
BIOB 170N-171N (BIOL 108N-109N) Principles Biological Diversity and Laboratory	5
BIOB 160N (BIOL 110N) Principles of Living Systems	4
BIOB 260 (BIOL 221) Cellular and Molecular Biology	4
BIOB 272 (BIOL 223) Genetics and Evolution	4
BIOE 370-371 (BIOL 340-341) General Ecology and Laboratory	5
CHMY 141N-143N (CHEM 161N-162N) College Chemistry I & II and Laboratory	10
CHMY 123N (CHEM 152N) Intro to Organic and Biological Chemistry	3
CHMY 485 (CHEM 485) Laboratory Safety	1
GEO 101N-102N (GEOS 100N-101N) Intro to Physical Geology and Laboratory	4

GEO 105N (GEOS 105N) Oceanography or GEO 108N (GEOS 108N) Climate Change	3
M 162 (MATH 150) Applied Calculus or M 171 (MATH 152) Calculus I	4
STAT 216 (MATH 241) Introduction to Statistics	4
PHSX 205N-206N-207N-208N (PHYS 111N-113N-112N-114N) College Physics I & II & Labs or PHSX 215N-216N-217N-218N (PHYS 211N-213-212N-214N) Fundamentals of Physics with Calculus I & II & Labs	10
EDU 497 (C&I 426) Methods: 5-12 Science (coreq. EDU 395 (C&I 301 or 302))	3
Total Credits	68

Geography

Grades 5-12. Does not qualify as a single field endorsement.

For an endorsement in the major teaching field of Geography, a student must complete the requirements for the B.A. degree with a major in Geography (an option is not required; see the Department of Geography section of this catalog and below). Individuals holding a baccalaureate degree must meet these requirements by completing the courses listed below or demonstrate course equivalency.

For an endorsement in the minor teaching field of Geography, a student must complete the courses for the minor teaching field listed below or demonstrate course equivalency.

	Maj.	Min.
GPHY 121S (GEOG 101S) Human Geography	3	3
GPHY 111N (GEOG 102) Introduction to Physical Geography	3	3
GPHY 112 (GEOG 105) Intro to Physical Geography Lab	1	1
GPHY 141S (GEOG 103S) Geography of World Regions or another regional course	3	3
GPHY 284 Intro to GIS and Cartography	3	-
GPHY 385 (GEOG 385) Field Techniques or GPHY 497 (GEOG 471) Workshop in Teaching Geography	2-3	-
(minor may choose GPHY 385 or GPHY 284)	-	3
Three upper-division systematic geography courses one each from the fields of physical geography, human-environmental interaction, and geography and society (two for minor)	9	6
EDU 497 (C&I 428) Methods: 5-12 Social Studies (coreq. C&I 301 or 302)	3	3
Electives (minimum of 36 geography credits is required)	11-12	-
Total Credits	39	22

The demand for teaching in this field is limited. The required second endorsement (either a teaching major or teaching minor) should be a field in high demand.

German*

Grades K-12. Qualifies as a single-field endorsement.

For an endorsement in the extended major teaching field of German, a student must complete the requirements for the B.A. with a major in German including MCLG 410 (see the Department of Modern and Classical Languages and Literatures section of this catalog and below). Individuals holding a baccalaureate degree must meet these requirements by completing the courses listed below or demonstrate course equivalency.

For an endorsement in the minor teaching field of German, a student must complete the courses in the minor teaching field listed below or demonstrate course equivalency.

	Maj	Min.
GRMN 101-102 (GERM 101-102) Elementary German	10	10
GRMN 201-202 (GERM 201-202) Intermediate German	8	8
GRMN 301-302 (GERM 301-302) Oral and Written Expression I and II	6	6
GRMN 311 and 312 or 318 (GERM 311-313) Intro to German Literature	6	-
GRMN 400 (GERM 403) Intro to Linguistics of German	3	3
GRMN (GERM) literature at 400-level	6	-
Two courses from the following: GRMN 322L, 350, 351H, 352H, 362Y (GERM 361L, 355, 303H, 304H, 362H)	6	-
GERM upper-division electives	3	-
GRMN 351H, 352H, 350, 322L, or 362Y (GERM 303H, 304H, 355, 361L or 362H)	-	3
LING 270S Introduction to Linguistics	3	3
MCLG 410 Methods of Teaching Foreign Languages (coreq. EDU 395 (C&I 301 or 302))	3	3
Total Credits	54	36

***The Department of Modern and Classical Languages and Literatures requires a recommendation of the student's language proficiency and an overall minimum grade point average of 3.00 in upper-division course work in both the teaching major and minor as a prerequisite to student teaching. Study in a German language country, provided either through UM's Study Abroad Program or an experience considered to be equivalent also is required.**

A German major qualifies as a single-field endorsement. Although not required, it is recommended that students complete a second teaching major or minor.

Government

Grades 5-12. Does not qualify as a single field endorsement.

For an endorsement in the major teaching field of Government, a student must complete the requirements for the B.A. degree with a major in Political Science (see the Department of Political Science section of this catalog and below). Individuals holding a baccalaureate degree must meet these requirements by completing the courses listed below or demonstrate course equivalency.

For an endorsement in the minor teaching field of Government, a student must complete the courses for a minor teaching field listed below or demonstrate course equivalency.

	Maj	Min.
PSCI 210S (PSC 100S) Introduction to American Government	3	3
PSCI 220S (PSC 120S) Introduction to Comparative Government	3	3
PSCI 230X(PSC 130E) International Relations	3	3
PSCI 250E (PSC 150E) Political Theory	3	3
PSCI (PSC) one 300-400 level course in four of the five fields:		
1) American Government		
2) Public Administration		
3) Political Theory		
4) Comparative Government		
5) International Relations	12	-
PSCI (PSC) one 300-400 level course in three of the five fields:		
1) American Government		
2) Public Administration		
3) Political Theory		
4) Comparative Government		
5) International Relations	-	9
PSCI (PSC) electives in upper- division political science	12	-
PSCI 400 Adv Writing in Political Science	1	-
EDU 497 (C&I 428) Methods: 5-12 Social Studies (coreq. C&I 395 (301/302)	3	3
Total Credits	40	24

The demand for teaching in this field is limited. The required second endorsement (either a teaching major or a teaching minor) should be in a field in high demand.

Health and Human Performance

Grades K-12. Qualifies as a single-field endorsement.

For an endorsement in the extended major teaching field of Health and Human Performance, a student must complete the requirements for a B.S. in Health and Human Performance with an option in Health Enhancement (see the Department of Health and Human Performance section of this catalog and below). Individuals holding a baccalaureate degree must meet those requirements by completing the courses listed below or demonstrate course equivalency.

	Maj.
KIN 205 (HHP 181) Foundations and Scientific Fundamentals in Health and Human Performance	3
HEE 110 (HHP 184) Personal Health and Wellness	3
HEE 203-204 (HHP 224-225) Professional Activities I, II	4
KIN 201 (HHP 226) Basic Exercise Prescription	3
HEE 233 (HHP 233) Health Issues of Children and Adolescents	3
NURT 221N (HHP 236) Nutrition	3
AHAT 210-213 (HHP 240-241) Prevention and Care of Athletic Injuries and Lab	3
ECP 120-121 (HHP 288-289) Emergency Medical Responder Lecture and Lab	0-3
HEE 301 (HHP 301) Methods of Secondary HE (coreq. EDU 395 (C&I 301 or 302))	3
HEE 302 (HHP 339) Methods of Instructional Strategies in Elementary Physical Education (coreq. EDU 395 (C&I 301 or 302))	3
KIN 322-323 (HHP 368-369) Kinesiology and Anatomical Kinesiology Laboratory	4
KIN 320 (HHP 377) Exercise Physiology	3
KIN 321 (HHP 378) Exercise Physiology Laboratory	1
KIN 330 (HHP 384) Motor Learning and Control	3
HTH 465 (HHP 465) Leading HHP Organizations	3
HEE 340 (HHP 466) Methods of Health Education	3
HTH 475E (HHP 475E) Legal and Ethical Issues in the Health and Exercise Professions	3
BIOM 250N (BIOL 106N) Microbiology for Health Sciences	3
BIOE 172N (BIOL 121N) Introductory Ecology or SCI 350 Environmental Perspectives	2-3
CHMY 121N (CHEM 151N) Intro to General Chemistry	3
COMX 111A (COMM 111A) Introduction to Public Speaking	3
STAT 216 (MATH 241) Intro to Statistics, PSYX 222 (PSYC 220) or HHP 486	3-4
PSYX 230S (PSYC 240S) Developmental Psychology	3

BIOH 201N-202N & BIOH 211N-212N (SCN 201N-202N) Anatomy and Physiology I and II and Lab
Total Credits

8
73-78

A Health and Human Performance major qualifies as a single-field endorsement. Although not required, it is recommended that students complete a second teaching major or minor.

History

Grades 5-12. Does not qualify as a single field endorsement.

For an endorsement in the major teaching field of History, a student must complete the requirements for the B.A. with a major in History (see the Department of History section of this catalog and below). Individuals holding a baccalaureate degree must meet these requirements by completing the courses listed below or demonstrate course equivalency.

For an endorsement in the minor teaching field of History a student must complete the courses in the minor teaching field listed below or demonstrate course equivalency.

	Maj	Min.
HSTR 101H or 102H (HIST 104H or 105H) Western Civilization	4	4
HSTA 101H-102H (HIST 151H-152H) American History I & II	4	8
HSTR 200 Intro to Historical Methods	1	1
HSTA 255 (HIST 269) Montana History	3	3
HSTR (HIST) electives in Asian, Islamic, African, and Latin American	9	6
Upper-division history courses in American history	6	3
Upper-division courses in European history	6	3
History electives upper-division courses in history	6	-
HSTA/HSTR 400-level approved writing course	3	-
EDU 497 (C&I 428) Methods: 5-12 Social Studies (coreq EDU 395 (C&I 301 or 302))	3	3
Total Credits	45	31

The demand for teaching in this field is limited. The required second endorsement (either a teaching major or a teaching minor) should be in a field in high demand.

Latin*

Grades K-12. Does not qualify as a single field endorsement.

For an endorsement in the major teaching field of Latin, a student must complete the requirements for the B.A. with a major in Classics, Latin option, as well as MCLG 410 (see Department of Modern and Classical Languages and Literatures section of this catalog and below). Individuals holding a baccalaureate degree must meet these requirements by completing the courses listed below or demonstrate course equivalency.

For an endorsement in the minor teaching field of Latin, a student must complete the courses in the minor teaching field listed below or demonstrate course equivalency.

	Maj	Min.
LATN 101-102 (LAT 101-102) Elementary Latin or equivalent	10	10
LATN 201-202 (LAT 211-212) Intermediate Latin	7	7
LATN upper-division electives	15	6
LATN 402 (LAT 402) Advanced Prose Composition	3	3
CLAS 155L (MCLG 155L) Survey Greek & Roman Literature	3	-
CLAS 160L (MCLG 160L) Classical Mythology	3	-
CLAS 251L (MCLG 251L) The Epic or CLAS 252L (MCLG 252L) Greek Drama	3	-
ARTH 407 (ART 381) Roman and Early Christian Art	3	-
Nine credits from: HSTR 301, 302 (HIST 302H, 301H), 360H, or MCLG 320; PHIL 261, or 363 465, 466 (PHIL 251 or 362, 461, 463)	9	-
MCLG 410 Methods of Teaching Foreign Languages (coreq. EDU 395 (C&I 301 or 302))	3	3
HSTR 304H (HIST 303H) Ancient Rome	3	-
Total Credits	62	29

***The Department of Modern and Classical Languages and Literatures requires a recommendation of the student's language proficiency and an overall minimum grade point average of 3.00 for upper-division course work in both the teaching major and minor as a prerequisite to student teaching.**

The demand for teaching in this field is limited. The required second endorsement (either a teaching major or minor) should be in a field in high demand.

Library Media

Grades K-12. Minor Only.

	Min.
EDU 331 (C&I 316) Lit & Literacy for Children	3
EDU 432 (C&I 470) Lit & Literacy for Young Adults	3
LIBM 464 (C&I 479) Reference Resources	3
LIBM 463 (C&I 480) Library Collection Development	3
LIBM 465 (C&I 483) Library Media Technical Processes	3
LIBM 468 (C&I 484) Administration and Assessment of Library Media Program	3
LIBM 495 (C&I 485) Library Media Practicum	3
LIBM 466 (C&I 488) Libraries and Technology	3
LIBM 461 Information Literacy	3
Total Credits	27

A Library Media Practicum is separate from student teaching. It includes 90 hours of field work in a library and 10 hours of seminar. Equivalent courses from UM-Western may substitute. C&I graduate courses also may substitute for EDU 331, 432 (C&I 316, 470), and LIBM 464 (C&I 479).

Mathematics

Grades 5-12. Qualifies as a single-field endorsement.

For an endorsement in the extended major teaching field of Mathematics, a student must complete the requirements for the B.A. degree with a major in Mathematics with a Mathematics Education option (see Department of Mathematical Sciences section of this catalog and below). Individuals holding a baccalaureate degree must meet these requirements by completing the courses listed below or demonstrate course equivalency.

For an endorsement in the minor teaching field of Mathematics, a student must complete the courses in the minor teaching field listed below or demonstrate course equivalency.

	Maj	Min.
M 171-172 (MATH 152-153) Calculus I, II	8	8
M 221 (MATH 221) Linear Algebra	4	4
M 301 (MATH 301) Mathematics with Technology for Teachers	3	3
M 307 (MATH 305) Introduction to Abstract Mathematics	3	3
M 326 (MATH 326) Elementary Number Theory	3	3
STAT 341 (MATH 341) Introduction to Probability & Statistics	3	3
M 429 (MATH 406) History of Mathematics	3	-
M 431 (MATH 421) Abstract Algebra	4	-
M 439 (MATH 431) Euclidean & Non-Euclidean Geometry	3	3
M 273 (MATH 251) or additional 300-400-level course	3-4	-
EDU 497 (C&I 430) Methods: 5-12 Mathematics (coreq. EDU 395 (C&I 301 or 302))	4	4
Total Credits	41-42	31

A math major qualifies as a single-field endorsement if a student also completes 12 science credits. Although not required, a second teaching major or minor is recommended.

Music

Grades K-12. Qualifies as a single-field endorsement.

For an endorsement in the extended major teaching field of Music, a student must complete the requirements for a Bachelor of Music Education degree (see the Music section of this catalog and below). Individuals holding a baccalaureate degree must meet these requirements by completing the courses listed below or demonstrate course equivalency. Music Education major are exempt from EDU 370 and 481 as they meet these requirements through School of Music coursework.

	Maj.
MUSI 102A (MUS 100A) Performance Study	2
MUSI 195-295-395 (MUS 151-251-351) Applied Study I, II, III	5
MUSI 112A/312-108A/308-155A/355-122A/123A, 162A, 267A, 322, 323, 362, 467, MUST 227, 467 (MUS 107A/307A-108A/308A-104A/304A-110A/310A -150A/350) Ensembles	7
MUSI 105-106 (MUS 111-112) Theory I, II	4
MUSI 135A-136A (MUS 115A-116A) Keyboard Skills I, II	2
MUSE 123 (MUS 117A) Techniques: Voice	1
MUSE 120, 121, 126, 127, 272, 273, 274, 275 (MUS 124-131) Techniques	8
MUSI 202L (MUS 135L) Introduction to Music Literature	3
MUSI 140-141 (MUS 137-138) Aural Perception I, II	4
MUSI 205-206 (MUS 211-212) Theory III, IV	4
MUSI 235-236 (MUS 215-216) Keyboard Skills III, IV	2
MUSI 296 (MUS 219) Piano Proficiency Assessment	0
MUSI 296 (MUS 220) Upper-Division Required Performance	0

MUSI 240-241 (MUS 237-238) Aural Perception III, IV	4
MUSI 335 (MUS 302) Instrumental Conducting	2
MUSI 336 (MUS 303) Choral Conducting	2
MUSE 497 (MUS 305) Methods: Instrumental & Lit	2
MUSE 497 (MUS 306) Methods: Choral & Lit	2
MUSI 301H-302H (MUS 324H-325H) History of Music I, II	6
MUSE 333-334 (MUS 322-323) General Music Methods and Materials I, II (coreq. EDU 395 (C&I 301 or 302))	4
MUSE 425: Technology and Resource Materials K-12	2
MUSI 388 (MUS 388) Concert Attendance	0
MUSI 440 (MUS 428) Orchestration	2
Music upper-division electives	3-4
Total Credits	71-72

Music students should refer to the School of Music section of this catalog for requirements concerning upper-division music course work.

Physics

Grades 5-12. Does not qualify as a single field endorsement.

For an endorsement in the major teaching field of Physics, a student must complete the requirements for the B.A. with a major in Physics (see the Department of Physics and Astronomy section of this catalog and below). Individuals holding a baccalaureate degree must meet these requirements by completing the courses listed below or demonstrate course equivalency.

For an endorsement in the minor teaching field of Physics, a student must complete the courses in the minor teaching field listed below or demonstrate course equivalency.

	Maj.	Min.
PHSX 205N-206N-207N-208N (PHYS 111N-113N-112N-114N) College of Physics I & II & Labs or PHSX 215N-216N-217N-218N (PHYS 211N-213N-212N-214N) Fundamentals of Physics with Calculus I & II & Labs	10	10
PHSX 301 (PHYS 301) Intro Theoretical Physics	3	-
PHSX 327 (PHYS 325) Optics	3	3
PHSX 330 (PHYS 330) Communicating Physics	3	3
PHSX 343 (PHYS 341) Modern Physics	3	3
PHSX 320 (PHYS 375) Classical Mechanics	3	3
PHSX 423 (PHYS 414) Electricity & Magnetism I	3	-
PHSX 461 (PHYS 461) Quantum Mechanics I	3	-
PHSX 499 (PHYS 480) Senior Capstone Seminar	1	-
Electives-courses in physics	3	-
ASTR 131N-132N Elementary Astronomy (minors choose one)	6	3
M 171-172 (MATH 152-153) Calculus I and II	8	8
STAT 216 (MATH 241) introduction to Statistics or STAT 341 (MATH 341) Introduction to Probability and Statistics	3-4	3-4
M 273 (MATH 251) Multivariate Calculus	4	4
M 311 (MATH 311) Ordinary Differential Equations	3	3
CSCI 100 (CS 101) Intro to Programming or CSCI 135 (CS 131) Fundamentals of Computer Science I	3	3
EDU 497 (C&I 426) Methods: Science 5-12	3	3
CHMY 121N (CHEM 151N) Intro to General Chemistry	3	3
CHMY 485 (CHEM 485) Laboratory Safety	1	1
BIOB 160N (BIOL 110N) Principles of Living Systems or BIOB 170N (BIOL 108N) Principles Biological Diversity or BIOC 105N (BIOL 120N) Introduction to Botany or BIOE 172N (BIOL 121N) Introductory Ecology	4/3	4/3
GEO 101N-102N (GEOS 100N-101N) Intro to Physical Geology & Laboratory	4	-
GEO 105N (GEOS 105N) Oceanography or GEO 108N (GEOS 108N) (Climate Change or ENSC 105N (EVST 101N) Environ Sci or SCI 350 Environ Perspect	2-3	-
Total Credits	78-81	59-61

The demand for teaching in this field is limited. The required second endorsement (either a teaching major or a teaching minor) should be in a field in high demand.

Psychology

Grades 5-12. Does not qualify as a single field endorsement.

For an endorsement in the major teaching field of Psychology, a student must complete the requirements for the B.A. degree with a major in Psychology, General option (see the Department of Psychology section of this catalog and below). Individuals holding a baccalaureate degree must meet these requirements by completing the courses listed below or demonstrate course equivalency.

For an endorsement in the minor teaching field of Psychology, a student must complete the courses in the minor teaching field listed

below or demonstrate course equivalency.

	Maj.	Min.
PSYX 100S (PSYC 100S) Introduction to Psychology	4	4
PSYX 120 (PSYC 120) Introduction to Psychological Research	3	3
PSYX 222 (PSYC 220) Psychological Statistics	3	-
At least two of the following for the major:		
PSYX 270S (PSYC 260S) Fundamental Psychology of Learning		
PSYX 280S (PSYC 265S) Fund of Memory & Cognition		
PSYX 250N (PSYC 270N) Fundamentals of Biological Psychology	6	-
At least four of the following for the major:		
PSYX 230S (PSYC 240S) Developmental Psychology		
PSYX 233 (PSYC 245) Fund of Psychology of Aging		
PSYX 340S (PSYC 330S) Abnormal Psychology		
PSYX 360S (PSYC 350S) Social Psychology		
PSYX 385S (PSYC 351S) Psychology of Personality	12	-
At least one of the following for the minor:		
PSYX 230S (PSYC 240S) Developmental Psychology		
PSYX 360S (PSYC 350S) Social Psychology		
PSYX 385S (PSYC 351S) Psychology of Personality	-	3
At least one of the following for the major:		
M 115 (MATH 117) Probability, Linear Mathematics or M 121 (MATH 111) College Algebra		
M 162 (MATH 150) Applied Calculus		
M 171 (Math 152) Calculus I	3-4	-
At least one of the following for the minor:		
PSYX 378S (PSYC 335S) Introduction to Clinical Psychology		
PSYX 340S (PSYC 330S) Abnormal Psychology		
PSYX 345 (PSYC 336) Child and Adolescent Psychological Disorders		
PSYX 376 (PSYC 337) Principles of Cognitive Behavior Modification	-	3
Four other psychology courses (at least three of which must be at the 200-level or higher), not to include PSYX 292, 392, 398, 494, or 499 (PSYC 296, 396, 398, 398, 493 or 499)	12	-
Two of the following for the minor:		
PSYX 270S (PSYC 260S) Fundamental Psychology of Learning		
PSYX 280S (PSYC 265S) Fundamentals of Memory & Cognition		
PSYX 250N (PSYC 270N) Fundamentals of Biological Psychology		
PSYX 356 (PSYC 371) Fundamentals of Human Neuropsychology		
PSYX 352 (PSYC 372) Intermediate Behavioral Biology	-	6
Additional PSYX elective credits for the minor		
	-	3
EDU 497 (C&I 428) Methods: 5-12 Social Studies (coreq. C&I 301 or 302)	3	3
Total Credits	46-47	25

At least six of the 22 PSYX credits for the minor must be at the 300-level or above.

The demand for teaching in this field is limited. The required second endorsement (either a teaching major or a teaching minor) should be in a field in high demand.

Reading

Grades K-12. Minor only.

	Min.
EDU 331 (C&I 316) Lit & Literacy for Children	3
EDU 432 (C&I 470) Lit & Literacy for Young Adults	3
EDU 397 (C&I 318) Teaching & Assessing PK-3 Language Arts	3
EDU 497 (C&I 405) Methods: Teaching & Assessing 4-8 Reading	3
EDU 481 (C&I 427) Content Area Literacy	3
EDU 438 (C&I 433) Literacy Asmnt, Diagnosis & Instr	3
EDU 441 (C&I 435) Organizing Reading and Writing Programs	3
EDU 456 (C&I 437) Application of Literacy Models K12	6
Total Credits	27

Russian*

Grades K-12. Does not qualify as a single field endorsement.

For an endorsement in the major teaching field of Russian, a student must complete the requirements for the B.A. with a major in Russian including MCLG 410 (see the Department of Modern and Classical Languages and Literatures section of this catalog and below). Individuals holding a baccalaureate degree must meet these requirements by completing the courses listed below or demonstrate course equivalency.

For an endorsement in the minor teaching field of Russian, a student must complete the courses in the minor teaching field listed below or demonstrate course equivalency.

	Maj.	Min.
RUSS 101-102 Elementary Russian	10	10
RUSS 201-202 Intermediate Russian	8	8
RUSS/MCLG 105HY Intro Russian Culture	3	-
RUSS 301 Oral and Written Expression I	3	3
RUSS 302 Oral and Written Expression II	3	3
RUSS - two of 308, 312L, 313L (minors must take RUSS 312L)	6	3
RUSS upper-division electives	12	-
RUSS 494 Seminar in Russian	3	-
HSTR – a course in Russian history	3	-
MCLG 410 Methods of Teaching Foreign Languages (coreq. EDU 395 (C&I 301 or 302))	3	3
Total Credits	54	30

*The Department of Modern and Classical Languages and Literatures requires a recommendation of the student's language proficiency and an overall minimum grade point average of 3.00 in upper-division course work in both the teaching major and minor as a prerequisite to student teaching.

The demand for teaching in the field is limited. The required second endorsement (either a teaching major or a teaching minor) should be in a field in high demand.

Social Studies Broadfield

Grades 5-12. Qualifies as a single-field endorsement.

Students who want to be licensed to teach history, government, and one additional social science at the middle and high school level must complete the B.A. degree requirements for the combined academic major in history and political science, shown below. Individuals holding a baccalaureate degree must show evidence of completing the courses listed below or demonstrate course equivalency.

	Maj.
HSTR 101H or HSTR 102H (HIST 104H or 105H) Western Civilization	4
HSTA 101H-102H (HIST 151H-152H) American History I & II	8
HSTR 200 Intro to Historical Methods	1
HSTA 255 (HIST 269) Montana History	3
HSTR (HIST) elective in Asian, Islamic, African, or Latin American	3
HSTA (HIST) upper-division American history	3
HSTR (HIST) upper-division European history	3
HSTR or HSTA (HIST) upper-division elective	3
HSTA/HSTR 400-level approved writing course	3
PSCI 210S (PSC 100S) Intro to American Government	3
PSCI 220S (PSC 120S) Intro to Comparative Government	3
PSCI 230X (PSC 130E) Intro to International Relations	3
PSCI 250E (PSC 150E) Intro to Political Theory	3
PSCI (PSC) upper-division American government and politics	9
PSCI (PSC) Upper-division comparative government and/or international relations	9
Credits in one of the following fields: economics, geography, psychology, or sociology	9
EDU 497 (C&I 428) Methods: 5-12 Social Studies (coreq. EDU 395 (C&I 301 or 302))	3
Total Credits	73

Sociology

Grades 5-12. Does not qualify as a single field endorsement.

For an endorsement in the major teaching field of Sociology, a student must complete the requirements for the B.A. with a major in Sociology (see the Department of Sociology section of this catalog and below.). Individuals holding a baccalaureate degree must meet these requirements by completing the courses listed below or demonstrate course equivalency.

For an endorsement in the minor teaching field of Sociology, a student must complete the courses in the minor teaching field listed below or demonstrate course equivalency.

	Maj.	Min.
SOCI 101S (SOC 110S) Introduction to Sociology	3	3
SOCI 202 (SOC 202) Social Statistics	3	-
SOCI 318 (SOC 201) Sociological Research Methods	3	3
SOCI 455 (SOC 455) Classical Social Theory	3	3
Four of the following, two must be numbered 300 or above:	12	-
SOCI 211S (SOC 230S) Criminology or 330S Juvenile Delinquency		

SOCI 220S (SOC 220S) Race, Gender and Class		
SOCI 270 (SOC 270) Introduction to Development Sociology		
SOCI 275S (SOC 275S) Gender and Society		
SOCI 306 (SOC 306S) Sociology of Work		
SOCI 308 (SOC 308) Sociology of Education		
SOCI 325 (SOC 325) Social Stratification		
SOCI 332 (SOC 300) Sociology of the Family		
SOCI 342 Urban/Metropolitan Sociology		
SOCI 345 (SOC 320) Sociology of Organizations		
SOCI 346 Rural Sociology		
SOCI 350 (SOC 340) The Community		
SOCI 355 (SOC 355S) Population & Society		
SOCI 382 (SOC 350S) Social Psychology & Social Structure		
SOCI 470 Environmental Sociology		
SOCI 485 (SOC 485) Political Sociology		
Sociology electives (minors must take at least six credits numbered 300 or above)	9	12
EDU 497 (C&I 428) Methods: 5-12 Social Studies (coreq. C&I 301 or 302)	3	3
Total Credits	36	24

The demand for teaching in this field is limited. The required second endorsement (either a teaching major or teaching minor) should be in a field in high demand.

Spanish*

Grades K-12. Qualifies for single-field endorsement.

For endorsement in the extended major teaching field of Spanish, a student must complete the requirements for the B.A. with a major in Spanish including SPNS 301, 305, 400, 408 (SPAN 301, 302, 405, 408) and MCLG 410 (see the Department of Modern and Classical Languages and Literatures section of this catalog and below). Individuals holding a baccalaureate degree must meet these requirements by completing the courses listed below or demonstrate course equivalency.

For endorsement in the minor teaching field of Spanish, a student must complete the courses in the minor teaching field listed below or demonstrate course equivalency.

	Maj.	Min.
SPNS 101-102 (SPAN 101-102) Elementary Spanish	10	10
SPNS 201-202 (SPAN 201-202) Intermediate Spanish	8	8
SPNS 301 (SPAN 301) Oral and Written Expression	3	3
SPNS 305 (SPAN 302) Spanish Phonetics	3	3
SPNS 326L, 331X (SPAN 311L/312L) Contemporary Literature (minors take one)	6	3
SPNS 400 (SPAN 405) Spanish: Applied Linguistics	3	3
SPNS 408 (SPAN 408) Advanced Composition and Conversation	3	-
SPNS (SPAN) two literature courses at 400-level	6	-
SPNS upper-division electives	6	-
LING 270S Introduction to Linguistics or LING 470	3	3
MCLG 315 Major Hispanic Authors	3	-
MCLG 410 Methods of Teaching Foreign Languages (coreq. EDU 395 (C&I 301 or 302))	3	3
Total Credits	57	36

***The Department of Modern and Classical Languages and Literatures requires a recommendation of the student's language proficiency and an overall minimum grade point average of 3.00 in upper division course work in both the teaching major and minor as a prerequisite to student teaching. Study in a Spanish language country, provided either through UM's Study Abroad Program or an experience considered to be equivalent, also is required.**

A Spanish major qualifies as a single-field endorsement. Although not required, it is recommended that students complete a second teaching major or minor.

Special Education

Grades P-12. Minor only.

	Min.
EDSP 403 (C&I 420) Curriculum/Methods In Early Childhood Special Education OR elective*	2-3
EDU 438 (C&I 433) Literacy Asmnt, Disagnosis & Instr (coreq. EDU 397 or 481 (C&I 318 or 427))	3
EDSP 462 (C&I 453) Special Education Law, Policy & Practice	3
EDSP 405 (C&I 457) Assess of Students with Exceptionalities	5
EDSP 463 (C&I 459) Consulting/Resource Teacher (prereq. EDSP 462 (C&I 453))	3
EDSP 461 (C&I 463) Positive Behavior Supports (prereq. EDSP 462 (C&I 453))	3
EDSP 497 (C&I 469) Education Methods: Special Education Student Teaching	10

Total Credits

29-30

***Required course for early childhood education; counts as elective credit. Other elective courses must be approved by a special education advisor.**

Theatre

Grades 5-12. Does not qualify as a single field endorsement.

For an endorsement in the major teaching field of Theatre, a student must complete the requirements for the B.A. with a major in Theatre, Education Endorsement Preparation specialization (see the School of Theatre & Dance section of this catalog and below). Individuals holding a baccalaureate degree must meet these requirements by completing the courses listed below or demonstrate course equivalency.

	Maj.
DANC 346 (DAN 327) Methods: Dance in K-8	2
THTR 102A (DRAM 103A) Introduction to Theatre Design	3
THTR 103 (DRAM 108) Introduction to House Management	1
THTR 106A (DRAM 106A) Theatre Production I: Running Crew	1
THTR 107A (DRAM 107A) Theatre Production I: Construction Crew	3
THTR 202 (DRAM 202) Stagecraft I: Lighting/Costumes	3
THTR 203 (DRAM 203) Stagecraft II: Scenery/Props	3
THTR 210 (DRAM 210) Voice and Speech I	2
THTR 220-221 (DRAM 214-215) Acting I, II	6
THTR 235L (DRAM 220L) Dramatic Literature I	3
THTR 249 (DRAM 244) Stage Makeup	2
THTR 330H-331Y (DRAM 320H-321H) Theatre History I, II	6
THTR 339 (DRAM 327) Drama in Elementary Education	2
THTR 370 (DRAM 371) Stage Management I	2
THTR 375 (DRAM 379) Directing I	3
THTR 439 (DRAM 402) Methods of Teaching Theatre	2
THTR 499 (DRAM 499) Senior Project	1
Total Credits	45

The demand for teaching in this field is limited. The required second endorsement (either a teaching major or teaching minor) should be in a field in high demand.

Courses

R- before the course description indicates the course may be repeated for credit to the maximum indicated after the R. Credits beyond this maximum do not count toward a degree.

Curriculum and Instruction (C&I) - Course Descriptions

160, 195, 295, 296, 298, 341, 394, 395, 421, 498, 501, 502, 504, 506, 508, 510, 514, 515, 518, 519, 520, 521, 523, 524, 525, 526, 527, 530, 533, 540, 541, 542, 545, 546, 548, 552, 553, 555, 556, 557, 560, 570, 571, 580, 581, 582, 583, 584, 585, 588, 589, 590, 594, 595, 596, 597, 598, 618, 620, 625, 630, 652, 594, 697, 699

Education K-12 (EDU) - Course Descriptions

162, 202, 210, 221, 222, 294, 331, 338, 340, 345, 370, 392, 394, 395, 397, 407E, 411, 421, 432, 438, 441, 450, 451, 456, 472, 481, 488, 491, 492, 494, 495, 497

Early Childhood Education (EDEC) - Course Descriptions

310, 330, 396

Education K-12: Special Education (EDSP) - Course Descriptions

403, 405, 461, 462, 463, 470, 497

Education K-12: Library Media (LIBM) - Course Descriptions

463, 464, 465, 466, 468, 495

Faculty

Professors

Trent L. Atkins, Ph.D., University of Oregon, 2003

Lisa M. Blank, Ph.D., Indiana University, 1997

Georgia A. Cobbs, Ph.D., The Ohio State University, 1995

Janice LaBonty, Ph.D., University of Nebraska, 1987

Richard van den Pol, Ph.D., Western Michigan University, 1981

Associate Professors

Morgen Alwell, Ph.D., Colorado State University, 2004

Fletcher Brown, Ph.D., Miami University, 1994

David R. Erickson, Ph.D., The Ohio State University, 1994

Ann N. Garfinkle, Ph.D., University of Washington, 1999

Martin G. Horejsi, Ph.D., Idaho State University, 1999

Andrea Lawrence, Ph.D., Indiana University, 2006

Matthew Schertz, Ed.D., Montclair State University, 2004

Sandra R. Williams, Ed.D., the University of Montana, 2000

Assistant Professors

Kathryn Brayko, Ph.D., University of Washington, 2012

Jessica R. Gallo, Ph.D., University of Wisconsin, 2013

Lucila T. Rudge, Ph.D., The Ohio State University, 2008

Research Faculty

Nancy Arnold, Ph.D., University of Northern Colorado, 1995

Gail McGregor, Ed.D., The Johns Hopkins University, 1984

Emeritus Professors

Rhea Ashmore, Ed.D., the University of Montana, 1981

Carolyn J.Lott, Ed.D., the University of Montana, 1985

College of Education and Human Sciences

Roberta D. Evans, Dean

Susan Harper-Whalen, Associate Dean

The Phyllis J. Washington College of Education and Human Sciences is comprised of five academic departments—Communicative Sciences and Disorders, Counselor Education, Curriculum and Instruction, Educational Leadership, and Health and Human Performance. It is also the home for the Institute for Educational Research and Service (IERS). Its mission is as follows:

The College of Education and Human Sciences shapes professional practices that contribute to the development of human potential. We are individuals in a community of lifelong learners, guided by respect for knowledge, human dignity, and ethical behavior. We work together producing and disseminating knowledge to advance the physical, emotional, and intellectual health of a diverse society.

The College of Education and Human Sciences coordinates The University of Montana Professional Education Unit, a unit comprised of initial teacher preparation at the elementary and secondary levels, and the advanced preparation of teachers, certified speech-language pathologists, educational leaders, school counselors, and school psychologists. The Communicative Sciences and Disorders Department prepares professionals at the master's level in speech-language pathology. The Departments of Curriculum and Instruction, Educational Leadership and Counseling Education prepare professionals for careers in education with bachelor, master's, Education Specialist and Doctor of Education programs while the School Psychology Program, housed in the Psychology Department in the College of Arts and Sciences, prepares students for careers in education with its master's, education specialist, and doctoral degrees. These programs are organized to foster the development of learning communities and incorporate three basic themes: integration of

knowledge and experience; cooperation among participants; and inclusiveness, caring, and respect for others. The Professional Education Unit at The University of Montana is accredited by the National Council for Accreditation of Teacher Education (NCATE), <http://www.ncate.org>.

The Communicative Sciences and Disorders, Counselor Education, and Health and Human Performance Departments all prepare professionals for careers in human service professions. Via its bachelor's degree in Communicative Disorders, the Communicative Sciences and Disorders Department prepares graduates qualified to work as clinical aides in speech-language pathology or audiology. Through its master's program in Speech-Language Pathology, the department will produce professional students qualified to work as speech-language pathologists in schools and clinical settings. Students pursuing the Master of Arts in Counselor Education are prepared to work in a variety of community/agency settings. Upon completion of the program, graduates are prepared to sit for the Licensed Practical Counselor or Licensed Practical Clinical Counselor examination. Via its Bachelor and Master of Science degrees, the Department of Health and Human Performance prepares students in the areas of community health, athletic training, exercise science, and health enhancement. The Athletic Training Program is accredited by the Commission on Accreditation of Athletic Training Education.

Central to its research and outreach efforts with P/K-12 schools, the College of Education and Human Sciences' Institute for Educational Research and Service (IERS) designs, evaluates, and disseminates programs that support the well-being of students and communities. Since 1957, IERS has collaborated with numerous local, state, national, and federal organizations to provide effective, data-driven research models that enhance the social development and academic achievement of all learners. Externally sponsored teaching, research, and service activities are central to IERS. In addition, the College of Education and Human Sciences supports a Preschool Laboratories, Preschool Program, Health and Human Performance Laboratory and Technology Resource Center. These centers offer enhanced opportunities for student involvement and learning.

Specific program options within the College of Education and Human Sciences are described below and in the various departmental sections of this catalog. The Web address for the college is <http://www.coehs.umt.edu>

Department of Educational Leadership

John Matt, Chairman, Educational Leadership

The Educational Leadership knowledge base emphasizes the realities of the workplace, blending practical tasks with the conceptual models of effective leadership. The model uses leadership assessment and problem-based learning throughout nine curricular strands: change/future, leadership, research community, communication, assessment/program evaluation, management, diversity, curriculum, and professionalism/socialization. Students at both degree levels experience integrated coursework, performance-based assessment, and exit interviews on completion of the degree programs.

Programs: The M.Ed., Ed.S., Administrative Licensure, and Ed.D. are offered in education administration and supervision. Information regarding specific requirements and program options is available from the Phyllis J. Washington College of Education and Human Sciences. For more information, please refer to The University of Montana Graduate Programs and Admissions Catalog. Graduate programs are accredited by The National Council for Accreditation of Teacher Education (NCATE) and The Montana Board of Public Education (BPE).

Admission to Educational Leadership: The Program Admissions Committee has established policies and standards for admission which include the GRE (verbal and quantitative); three letters of recommendation (one from an immediate supervisor); official transcripts for all undergraduate and graduate coursework; qualifying examination; and interviews (doctoral). Contact the Department for details.

Certification Requirements: Education Leadership degree and administrative licensure programs lead to Montana Class 3 Administrative Licensure with either a K-12 Principal or Superintendent endorsement. Please note that in addition to the coursework and degree requirements, the State of Montana also requires licensed teaching, school counseling, or administrative experience for the Class 3 license.

Courses (Check master schedule for availability of all courses)

R- before the course description indicates the course may be repeated for credit to the maximum indicated after the R. Credits beyond this maximum do not count toward a degree.

Educational Leadership (EDLD) - Course Descriptions

295, 495, 502, 504, 512, 519, 520, 540, 542, 544, 546, 550, 551, 552, 554, 556, 559, 567, 568, 570, 571, 580, 581, 582, 583, 584, 585, 594, 595, 596, 597, 598, 599, 618, 620, 625, 653, 656, 657, 658, 660, 662, 664, 667, 668, 674, 676, 694, 697, 699

Faculty

Professors

Roberta D. Evans, Ed.D., The University of Nevada, Reno, 1988

Associate Professor

John Matt, Ed.D., The University of Montana, 1999

William P. McCaw, Ed.D., The University of Montana, 1999

Assistant Professors

Francee O'Reilly, Ed.D, Adjunct, The University of Montana, 2002

Patty Kero Ed.D., The University of Montana, 2006

Courtney Stewart Ph.D., Brigham Young University, 2009

Department of Health and Human Performance

- . Special Degree Requirements
- . Suggested Course of Study
- . Courses
- . Faculty

Scott Richter, Chair

Vision

Health and Human Performance Professionals

Creating a Healthy, Progressive Global Community

Mission

In pursuit of our vision, HHP prepares quality graduates to be ethical and competent entry level professionals in health and human performance related occupations or candidates for advanced study in related disciplines. Within the liberal arts tradition of The University of Montana and the mission of the College of Education and Human Services, the Department of Health and Human Performance (HHP) engages in professional education, scholarly activity, and meaningful public service. The department emphasizes mental, social, spiritual, and physical dimensions of health to promote healthy lifestyle choices and enhance quality of life.

The Health and Human Performance Department has established the following goals in support of our vision and mission:

- . *Promote* an understanding and appreciation for the scope of the profession
- . *Enhance* student awareness of departmental mission and goals
- . *Coordinate* student development of the basic skills germane to effective practice as health and human performance professionals or successful pursuit of advanced studies
- . *Cultivate* higher-order thinking skills that increase students' involvement and interest in their own learning, promoting a lifelong quest for knowledge
- . *Nurture* cognition of the multiple dimensions of health (physical, intellectual, emotional, spiritual, social and environmental)
- . *Advocate* respect for the uniqueness and dignity of others. Undergraduate students choose between two majors: Athletic Training or Health & Human Performance (HHP). HHP majors also choose from one of the following options: Exercise Science; Health Enhancement, or Community Health.

The Exercise Science option has three tracks: Pre-Professional, Applied, and Pre-Athletic Training. The *Pre-Professional track* is designed to provide students with an in-depth science background and prepares students for post-baccalaureate study in exercise physiology and related health sciences such as medical school, physical therapy, physician's assistant or other medical programs. Successful graduates of this option should possess the knowledge and skills to qualify for the ACSM Exercise Specialist Certification (requires additional clinical hours). The Pre-Professional option is for students planning to continue on in higher education. The *Applied track* is designed to prepare students for jobs as strength and conditioning coaches, athletic coaches, personal trainers, elderly services providers, corporate wellness personnel and directors, fitness center directors and other fitness related jobs. Successful graduates of this track should possess the knowledge and skills to qualify for the American College of Sport Medicine-Fitness Instructor and/or National Strength and Conditioning Association Certified Strength and Conditioning Specialist. The *Pre-Athletic Training Track* is designed for students interested in applying for the Entry-Level Master's in Athletic Training Program (see information below).

The Health Enhancement option prepares students to use a variety of educational strategies designed to facilitate the adoption of healthy behaviors in K-12 students. Upon acceptance into the College of Education, and successful completion of the course requirements students will be eligible for a Montana K-12 teaching license. See Admission Policies below.

The Community Health option prepares students with knowledge and skills related to assessing individual and community needs

prior to planning, implementing, and evaluating programs designed to encourage healthy lifestyles and environments. Individuals who will be most successful in the community health option are those who are deeply interested in the interrelationship among all aspects of health (social, emotional, mental, spiritual and physical) and in the life and behavioral sciences. In addition, success in this field requires imagination and creativity in applying scientific knowledge to strategies for individual and community change through a wide range of educational, environmental and political approaches. Graduates of this program will be prepared to take the National Certification Exam for Health Education Specialists.

The Entry-Level Master's in Athletic Training Program major prepares competent entry-level athletic trainers for employment in educational and clinical settings or post-graduate study. The Athletic Training curriculum is designed to help students develop competency in evidence based medicine, prevention and health promotion, clinical examination and diagnosis, acute care of injury and illness, therapeutic interventions, psychosocial strategies and referral, healthcare administration and professional development and responsibility. Successful graduates should possess the knowledge and skills to qualify for the Board of Certification Examination.

The graduate curriculum in Health and Human Performance at The University of Montana prepares post-graduates to become effective health and human performance professionals or competitive candidates for advanced study in related disciplines through a comprehensive program of study and guided research. Development of the following is considered essential in achieving a graduate degree:

1. Oral and written communication skills,
2. An understanding of current research literature in one's chosen specialization and to promote independent pursuit of learning beyond the confines of curricular requirements,
3. Appropriate technological skills,
4. Ability to design, conduct, and report research in a scholarly fashion,
5. Personal characteristics, sense of responsibility, and professional behaviors requisite for effective functioning as an advanced health and human performance professional.

Graduate options include Exercise Science, Health Promotion, Athletic Training, and Health and Human Performance. For more information regarding the department's graduate program refer to either:

The University of Montana Graduate Programs and Admissions catalog: <http://www.umt.edu/grad/>

The College of Education and Human Sciences Graduate website: http://coehs.umt.edu/departments/hhp/graduate_programs/default.php

Activity Classes

The HHP department also provides a large activity program (HHP classes numbered 100-179) which includes instruction in a wide variety of individual, team, recreational, and fitness activities. Goals of this program include helping students:

1. Develop and maintain long-term health-related fitness,
2. Develop motor performance skills that facilitate regular and continuous participation in physical activity, and
3. Develop the adult "inner athlete" who continually strives to reach optimal potential through involvement in challenging endeavors.

Any University of Montana student may elect to apply up to four credits from HHP 100-179 toward a baccalaureate degree. For descriptions of the activity classes offered, refer to the website at http://coehs.umt.edu/departments/hhp/activity_classes/default.php and select Activity Classes.

Special Degree Requirements

Refer to graduation requirements listed previously in the catalog. See index.

Students must fulfill the requirements listed below. All HHP majors must earn a minimum grade of a C- in all required courses, including prerequisites, except for special cases of higher requirements in Athletic Training and Health Enhancement noted below. In-department and out-of-department courses specifically listed in this catalog as requirements for Health and Human Performance majors must be taken for a traditional letter grade.

Athletic training students must earn a grade of C (2.00) in all required courses, including prerequisite courses. Courses specifically listed in the catalog, as requirements for the athletic training major (Athletic Training Program) must be taken for a traditional letter grade. This includes in-department and out-of-department courses. Students in the professional phase of the athletic training program who receive less than a C (2.00) on any required courses will be placed on probation and may not be allowed to continue any sequential courses until they retake the course and receive at least a C. If a student receives less than a C (2.00) after repeating a course, the student may be dismissed from the program.

The University of Montana symbolic systems requirement is met by completing one of the following statistics courses and any pre-requisite courses: STAT 216 (MATH 241) Introduction to Statistics or PSYX 222 (PSYC 220) Psychological Statistics or SOCI 202 (SOC 202) Social Statistics or WILD 240 (WBIO 240) Wildlife Monitoring & Biostatistics or EDU 421(C&I 486/HHP 486). All options must meet

this requirement.

Admission Policies for Health Enhancement Option

The Health Enhancement option is designed for individuals who wish to teach in K-12 school systems. Application for admission to the College of Education must be made (refer to <http://coehs.umt.edu/departments/hhp/default.php>). Applications are accepted twice a year; however, the number of students admitted into the program is limited. Application is made no sooner than after the completion of 30 hours of course work. A cumulative GPA of 2.75 is necessary for application.

To successfully complete the program in Health Enhancement, a student must receive a grade of C (2.00) or above in every course in the following areas: teaching major, professional education courses, a drug abuse course, PSYX 100S (PSYC 100), WRIT 101 (ENEX 101), and EDU 481 (C&I 427). These courses must be taken as a traditional letter grade.

Admission Policies for the Athletic Training Degree

Athletic Training Program (ATP)

The University of Montana-Missoula offers an accelerated entry level Master's in Athletic Training program housed within the Health and Human Performance Department. The program meets the standards established by the Commission on Accreditation of Athletic Training Education (CAATE). The current undergraduate Athletic Training Program is accredited by CAATE; however the Master's in Athletic Training Program will undergo review in 2013-2014. The ATP is a demanding curriculum which requires dedication and commitment. Upon completion there are a variety of professional career opportunities.

This program allows students to take three years of pre-requisite courses and general education requirements, followed by 2 years in a professional athletic training program, including summers. Students will apply to the graduate school and the professional program spring of their third year. At the end of the 4th year, students will complete their Bachelor's degree in Health and Human Performance with an option in Exercise Science. Students may enter the entry level Master's in Athletic Training Program 3 different ways:

1. UM students may take 3 years of pre-requisite courses and apply for admission into the graduate program for their final two years (complete Bachelor's degree in 4th year, Master's in 5th year);
2. Transfer students may take pre-requisite courses elsewhere and transfer into the institution for their final two years of graduate work (complete Bachelor's degree in 4th year, Master's in 5th year); or
3. Students may elect to complete a Bachelor's degree in a related field (either at UM or elsewhere) and then apply to the Master's in Athletic Training program for 2 years of graduate work.

Upon completion of the entry level Master's in Athletic Training Program, students will be eligible to sit for the Board of Certification (BOC) Exam.

Following are the requirements for application, admission, and retention of the Athletic Training Program (ATP). Academic advisors are available to assist students with this interesting and challenging professional program.

Admission. Students who desire admission into the Professional Athletic Training Program must submit a formal application. This application must be submitted by the deadline (February 15th) prior to your proposed admission into the professional program.

A review board consisting of the Athletic Training Program Director, Clinical Director, Preceptors, professional students and possibly other professionals, will evaluate each student applying for admission to the professional program. Formal notification of admission to the professional program will be made in writing and sent to the candidate prior to the pre-registration period for autumn semester.

For more information on applying to the professional program, please go to <http://coehs.umt.edu/umat/applications.php>.

PRE-PROFESSIONAL REQUIREMENTS

The following pre-requisite classes or their equivalents are required to be completed before admission to the professional program (course syllabi are required if courses are not taken at UM):

Kinesiology/Biomechanics

Anatomy & Physiology I & II (both with labs)

Exercise Physiology

General Psychology

Basic Nutrition

Statistics

Preferred coursework includes: Motor control and learning, chemistry (2 semesters), and prevention and care of athletic injuries

ADMISSION REQUIREMENTS FOR PROFESSIONAL PROGRAM

1. Students must apply and be accepted to the University of Montana's Graduate School <http://www.umt.edu/grad/Apply/Applying%20for%20Admission.php#Apply>
2. Students must have a minimum GPA of 3.0 for all college coursework (a GPA below 3.0 may be considered)
3. Completed pre-requisite courses (students may be enrolled in pre-requisite courses at time of application)
4. Documentation of 75 hours of observation under a Certified/Licensed Athletic Trainer
5. Official transcript(s) of all college coursework

Professional-ATEP

As a student in the Athletic Training Program at the University of Montana, students must meet the following retention standards:

Enroll as a full-time student (unless approved by Program Director).

Maintain a cumulative grade point average of 3.0 or higher.

Achieve no more than 2 "C" grades in graduate courses.

Achieve satisfactory evaluations in each Clinical Phase before progressing.

Successfully complete coursework in the sequence indicated by the program of study unless approved by Athletic Training Program Director.

Abide by the Code of Ethics of the University and those established by the National Athletic Trainers' Association.

Students are expected to complete at least 50-250 hours of clinical experience each semester and many of those hours are during evenings and weekends. Students who fail to meet the retention criteria will be placed on probation in the Athletic Training Program for a maximum of two semesters. This may limit progress of course sequencing and clinical phases. If standards are not met by the end of the probationary period, the student will be dismissed from the Athletic Training Program. Students who are placed on probation may require remediation as deemed appropriate by the Program Director.

For further information on clinical education requirements, please visit the athletic training website.

Additional Costs Associated with Program

There will be additional costs (above tuition and fees) for the clinical rotations. Program fee: There is an additional fee of \$925/semester in addition to regular tuition of fees. This fee will help cover the cost of lab equipment, accreditation costs, adjunct teaching, and software. Other costs may include, but are not limited to: Criminal Background Check (\$55), Initial NATA Membership Fee (\$60 approximately), Polo Shirts (\$30), and Medical Pack/Kit (\$30).

Transportation is needed for all off-campus clinical sites. Each student will have a minimum of one off-campus site.

General Program Requirements

First Aid and CPR Exit Certifications

All Health and Human Performance students are required to have the appropriate certification in first aid/emergency care and CPR at graduation. The following certifications will meet this competency:

Any one of the following current first aid/emergency care certifications:

- . American Academy of Orthopedic Surgeons (AAOS) - Emergency Medical Responder
- . National Safety Council Level - First Responder
- . Wilderness First Responder
- . First Responder - American Heart Association

Plus one of the following CPR certifications:

- . American Heart Association (Health Care Provider)
- . American Red Cross (Professional Rescuer)

Or Certification as an Emergency Medical Technician

Health and Human Performance students may use available elective credits to take HHP 288/289, First Responder and CPR, to meet this competency, or they may elect to fulfill the competency through one of the department approved agencies. Academic credit for HHP 288/289 will not be awarded for certifications earned at off-campus approved agencies other than the Health and Human Performance Department at The University of Montana.

Upper-division Writing Expectation

The HHP Department offers three upper-division writing courses to fulfill the General Education writing requirements; KIN 447 (HHP 450), HHP 472 and HEE 301 (HHP 301). Exercise Science and Applied Health Science students are required to complete KIN 450 (HHP 450)(Analytical and Communication Techniques), and Health Enhancement Students are required to complete HHP 301 (Instructional Strategies in Secondary Physical Education).

Options Undergraduate students must complete requirements for a minimum of one of the options listed below. The typical student may take more than four years to complete these requirements, especially in the Health Enhancement option.

Masters in Athletic Training/BS HHP Exercise Science Pre-Athletic Training

Within Department (89 crs.): HHP KIN 205, KIN 201, ECP 120,121, KIN 322, KIN 323, KIN 320, KIN 321, KIN 330, KIN 447, KIN 325, HTH 475, NUTR 221N (HHP 236N), NUTR 411 (HHP 446), AHAT 210, AHAT 213, AHAT 479, CHTH 485, HHP 520, HHP 699/599, ATEP 534, ATEP540, ATEP 541, ATEP 542, ATEP 544, ATEP 546, ATEP 550, ATEP 551, ATEP 566, ATEP 569, ATEP 572, ATEP 574, ATEP 578. Out of Department (53 crs.): WRIT 101, COMM 111A; CHMY 121N, 123N, 124N; BIOH 201N, 202N and BIOH 211, 212 or BIOH 365 and BIOH 370 ; BIOM 250, WRIT 222; M 121 & M122 or M 151; STATS 216, PSYX 222, or EDU 421, PHSX 205N/206N, 207N/208N, PSYX 100S, BIOH 112 or BIOH 113 or BIOH 160.

Exercise Science Option (required courses): Students may complete either of the two tracks below (Applied or Pre-Professional) to complete the requirements for the Exercise Science Option.

Exercise Science Applied Track (required courses): Within Department (55 crs.): KIN 205, HEE 110, KIN 201, AHAT 210, AHAT 213, ECP 120, 121, KIN 322, KIN 323, KIN 320, KIN 321, KIN 330, COA 405, KIN 410, KIN 447, KIN 325, HTH 465, HTH 475, and KIN 498 (4 cr); NUTR 221N (HHP 236N), NUTR 411 (HHP 446). Upper division science credits (may be in or out of department) upon consent of advisor: 3. Out of Department (47 crs.): WRIT 101 (ENEX 101), COMM 111A; CHMY 121N, 123N, 124N (CHEM 151N, 152N, 154N); BIOH 201N, 202N (SCN 201N) and BIOH 211, 212 (SCN 202N) or BIOH 365 and BIOH 370 (BIOL 312-313); WRIT 222 (FOR 220); M 151 (MATH 121); STATS 216 (MATH 241), PSYX 222 (PSYC 220), or EDU 421 (HHP 486), BGEN 105S (MIS/BADM 100S) or BGEN 235 (MIS/BADM 257), PHSX 205N/206N (PHYS 111N/113N), PSYX 100S (PSYC 100S); 6 crs. of electives from HHP, Biology, Biochemistry, Chemistry, Psychology upon consent of advisor. At least 3 credits must be upper division HHP. NOTE: BIOH 112 or 113 or 160 is required prior to BIOH 365-Anatomy & Physiology (A&P) on the UM campus and strongly recommended prior to SCN 201/202-A&P on the Missoula College (formerly COT) campus. The HHP faculty recommend that all students take BIOH 112 or 113 or 160 prior to taking either A&P course (BIOH 365 or SCN 201) as students who neglect to take one of these courses prior to A&P experience a high rate of A&P failure. BIOH 112 or 113 or 160 will count as an HHP science elective.

Exercise Science Pre-professional Track (required courses): Within Department (43 crs.): KIN 205, KIN 201, ECP 120, 121, KIN 322, KIN 323, KIN 320, KIN 321, KIN 330, KIN 447, KIN 325, HTH 475, KIN 460, KIN 483, KIN 484, KIN 498 or KIN 499, NUTR 221N (HHP 236N), NUTR 411 (HHP 446). Upper division science credits (may be in or out of department) upon consent of advisor: 6. Out of Department (50 crs.): WRIT 101 (ENEX 101), COMM 111A; CHMY 121N, 123N, 124N (CHEM 151N, 152N, 154N); BIOH 201N, 202N (SCN 201N) and BIOH 211, 212 (SCN 202N) or BIOH 365 and BIOH 370 (BIOL 312-313); WRIT 222 (FOR 220); M 151 (MATH 121); STATS 216 (MATH 241), PSYX 222 (PSYC 220), or EDU 421 (HHP 486), PHSX 205N/206N, 207N/208N (PHYS 111/113N, 112/114N), PSYX 100S (PSYC 100S); 6 crs. of electives from biology, biochemistry, mathematics, physics, psychology upon consent of advisor.

Community Health Option (required courses): Within Department (46 crs.): KIN 201, KIN 205, HTH 110, ECP 120/121 or appropriate certification, CHTH 335, HTH 370, HTH 395, HTH 430, KIN 447, HTH 465, HTH 475E, CHTH 485, CHTH 445, 4 crs of CHTH 498, NUTR 211N (HHP 236N). Out of department (41 crs.): COMM 111A; PSYX 100S (PSYC 100); CHMY 121N (CHEM 151N); BIOM 250N (BIOL 106N); ENST 225 (EVST 225); BIOH 201N, 202N (SCN 201N) and BIOH 211, 212 (SCN 202N) or BIOH 365 and BIOH 370 (BIOL 312-313); ANTY 227 (ANTH 201); M 115 (MATH 117); WRIT 222 (FOR 220); SW 423; ANTY 426 (ANTH 444); STATS 216 (MATH 241), PSYX 222 (PSYC 220), or EDU 421 (HHP 486). Elective courses - 18-24 crs. of in or out of department electives to be approved by academic advisor. (note: at least 9 of the 24 elective credits must be at the 300 level or higher and students may not count more than 60 HHP credits toward graduation.)

Health Enhancement Option (required courses): Within Department (51-54 crs.): KIN 205, HEE 110, HEE 203, HEE 204, KIN 201, HEE 233, AHAT 210, AHAT 213, ECP 120, 121 or appropriate certification, HEE 301, HEE 302, KIN 322, KIN 323, KIN 320, KIN 321, KIN 330, HTH 465, HEE 340, HTH 475, NUTR 221N (HHP 236N). Out of Department (71-73 crs.): COMM 111A; CHMY 121N (CHEM 151N), BIOH 201N, 202N (SCN 201N) and BIOH 211, 212 (SCN 202N); BIOM 250N, BIOE 172N (BIOL 106N; BIOL 121N) or SCN 350; M 115 (MATH 117) PSYX 100S (PSYC 100S), PSYX 230S (PSYC 240S); EDU 202 (C&I 200), 221 (C&I 303), 345 (C&I 410), 370 (C&I 306), 395 (C&I 301 or 302), 407E (C&I 407E), 481 (C&I 427), 494 (C&I 494), 495 (C&I 481), 495 (482); STAT 216 (MATH 241), PSYX 222 (PSYC 220), or EDU 421 (HHP 486); NASX requirement.

Suggested Course of Study

Accelerated Athletic Training Degree (Masters in Athletic Training/BS HHP Exercise Science):

First Year

A S

WRIT 101 (ENEX 101) College Writing I (autumn A-L, spring M-Z)	(3)	(3)	
CHMY 121N (CHEM 151N) Intro to General Chemistry	3	-	
KIN 201 (HHP 226) Basic Exercise Prescription (autumn M-Z, spring A-L)	(3)	(3)	
KIN 205 (HHP 181) Foundations of Health and Human Performance (autumn A-L, spring M-Z)	(3)	(3)	
NUTR 221N (HHP 236) Nutrition	(3)	(3)	
COMX 111A (COMM 111A) Introduction to Public Speaking (autumn M-Z, spring A-L)	(3)	(3)	
CHMY 123N (CHEM 152N) Introduction to Organic and Biochemistry	-	3	
M 121 or M 151 (MATH 111 or 121) College Algebra or Pre-Calculus	4/3	-	
BIOH 112 or 113 (BIOL 112 or 113) Introduction to Human Form and Function I or II or BIOB 160N (BIOL 110N) Principles of Living Systems	3	-	
M 122 (MATH 112) College Trigonometry or General Education Requirements L,H,Y or X courses	-	3	
Total	15-	17	
	16		
	A	S	
Second Year			
BIOH 201N/202N (SCN 201N) Human Anatomy and Physiology I or BIOH 365 (BIOL 312) Human Anatomy and Physiology I for Health Professions (students who take BIOH 365-370 (BIOL 312/313) must take another "NL" course, e.g. CHMY 124N (CHEM 154N) to meet Gen Ed requirements)	4	-	
WRIT 222 (FOR 220) Technical Writing	2	-	
PSYX 100S (PSYC 100S) Introduction to Psychology	4	-	
KIN 330 (HHP 384) Motor Learning and Control	-	3	
EDU 421 (HHP 486) Statistical Procedures in Education or PSYX 222 (PSYC 220) Psychological Statistics or STAT 216 (MATH 241) Introduction to Statistics	-	3/4	
BIOH 211N/212N (SCN 202N) Human Anatomy and Physiology II or BIOH 370 (BIOL 313), Human Anatomy and Physiology II for Health Professions (students who take BIOH 365/370 (BIOL 312/313) must take another "NL" course, e.g. CHMY 124N (CHEM 154N) to meet Gen Ed requirements)	-	4	
General Education Requirements (Select only from L,H,Y or X general education perspectives as needed)	6	6	
Total	16	16-	
	17		
	A	S	
Third Year			
KIN 322/323 (HHP 368/369) Kinesiology & Anatomical Kinesiology Lab	4	-	
KIN 320/321 (HHP 377/378) Exercise Physiology & Lab	4	-	
PHSX 205N/206N (PHYS 111N/113N) Fundamentals of Physics I	5	-	
ECP 120/121 (HHP 288/289) Emergency Medical Responder Lecture and Lab	-	3	
AHAT 201/213 (HHP 240/241) Prevention and Care of Athletic Injuries & Lab	3	-	
PHSX 207N/208N (PHYS 112N/114N) Fundamentals of Physics II	-	5	
PHAR 110N Use & Abuse of Drugs	-	3	
KIN 325 (HHP 460) Biomechanics	-	3	
HTH 475E (HHP 475E) Legal & Ethical Issues in Health and Exercise Professions	-	3	
Total	16	17	
Submit Application to the Professional Program by February 15th as well as to the UM Graduate School			
Fourth Year - Summer			
ATEP 534 Athletic Training Techniques	3		
ATEP 566 Therapeutic Modalities	3		
Total	6		
	A	S	
Fourth Year			
ATEP 542 Assessment of Lower Extremities	3	-	
KIN 447 (HHP 450) Analytical and Communication Techniques	4	-	
ATEP 540 Clinical Practicum in Athletic Training I	3	-	
ATEP 569 Clinical Anatomy Lab	1	-	
HHP 520 Educational Research	3	-	
NUTR 411 Nutrition for Sport & Exercise	-	3	
ATEP 572 Therapeutic Exercise	-	3	
ATEP 544 Assessment of Upper Extremities	-	3	
ATEP 541 Clinical Practicum in Athletic Training II	-	3	
CHTH 485 (HHP 485) Theories of Health Behavior & Counseling	-	3	
Total	13	15	
Fifth Year - Summer			
ATEP 574 Manual Therapy Techniques	3		
ATEP 546 Assessment of Thorax and General Medical Conditions	3		
Total	6		
	A	S	
Fifth Year			
HHP 699/599 Thesis/Professional Paper	3	3	
ATEP 550 Adv. Clinical Practicum in Athletic Training I	3	-	
ATEP 578 Leadership in Athletic Training	3	-	
Elective (non-thesis option)	3	3	
AHAT 479 (HHP 479) Topics in Sports Medicine	-	2	
ATEP 551 Adv. Clinical Practicum in Athletic Training II	-	3	
Elective (in or out of department)	-	3	
Total	9	11	

Exercise Science Pre-Professional Track:

First Year		S
WRIT 101 (ENEX 101) College Writing I (autumn A-L, spring M-Z)	(3)	(3)
CHMY 121N (CHEM 151N) Intro to General Chemistry	3	-
KIN 201 (HHP 226) Basic Exercise Prescription (autumn M-Z, spring A-L)	(3)	(3)
KIN 205 (HHP 181) Foundations of Health and Human Performance (autumn A-L, spring M-Z)	(3)	(3)
NUTR 221N (HHP 236) Nutrition	-	3
COMX 111A (COMM 111A) Introduction to Public Speaking (autumn M-Z, spring A-L)	(3)	(3)
CHMY 123N/124N (CHEM 152N/154N) Introduction to Organic and Biochemistry & Lab	-	5
M 121 or M 151 (MATH 111 or 121) College Algebra or Pre-Calculus	4/3	-
BIOH 112 or 113 (BIOL 112 or 113) Introduction to Human Form and Function I or II or BIOB 160N (BIOL 110N) Principles of Living Systems	3	-
M 122 (MATH 112) College Trigonometry or General Education Requirements L,H,Y or X courses	-	3
Total	15-	17
	16	17
Second Year		A S
BIOH 201N/202N (SCN 201N) Human Anatomy and Physiology I or BIOH 365 (BIOL 312) Human Anatomy and Physiology I for Health Professions (students who take BIOH 365-370 (BIOL 312/313) must take another "NL" course, e.g. CHMY 124N (CHEM 154N) to meet Gen Ed requirements)	4	-
WRIT 222 (FOR 220) Technical Writing	2	-
PSYX 100S (PSYC 100S) Introduction to Psychology	4	-
KIN 330 (HHP 384) Motor Learning and Control	-	3
EDU 421 (HHP 486) Statistical Procedures in Education or PSYX 222 (PSYC 220) Psychological Statistics or STAT 216 (MATH 241) Introduction to Statistics	-	3/4
BIOH 211N/212N (SCN 202N) Human Anatomy and Physiology II or BIOH 370 (BIOL 313), Human Anatomy and Physiology II for Health Professions (students who take BIOH 365/370 (BIOL 312/313) must take another "NL" course, e.g. CHMY 124N (CHEM 154N) to meet Gen Ed requirements)	-	4
General Education L, H, Y or X courses	6	6
Total	16	16-
	16	17
Third Year		A S
KIN 322/323 (HHP 368/369) Kinesiology & Anatomical Kinesiology Lab	4	-
KIN 320/321 (HHP 377/378) Exercise Physiology & Lab	4	-
PHSX 205N/206N (PHYS 111N/113N) Fundamentals of Physics I	5	-
ECP 120/121 (HHP 288/289) Emergency Medical Responder Lecture and Lab	-	3
KIN 483/484 (HHP 483/484) Exercise, Disease and Aging and Lab	-	4
PHSX 207N/208N (PHYS 112N/114N) Fundamentals of Physics II	-	5
KIN 460 (HHP 482) ECG Assessment	1	-
KIN 325 (HHP 460) Biomechanics	-	3
Total	14	15
Fourth Year		A S
NUTR 411 (HHP 446) Nutrition for Sports & Exercise	3	-
KIN 447 (HHP 450) Analytical and Communication Techniques	4	-
KIN 498 or 499 (HHP 498 or 499) Internship or Senior Project	-	3
HTH 475E (HHP 475E) Legal and Ethical Issues in Health and Exercise Professions	3	-
HHP/Science Elect Upper-division science or Upper-division HHP elective	-	6
Upper-division science elective	3	3
Total	13	12

Exercise Science - Applied Track

First Year		A S
COMX 111A (COMM 111A) Introduction to Public Speaking (autumn M-Z, spring A-L)	(3)	(3)
BIOH 112 (BIOL 112) Introduction to Human Form and Function I or BIOB 160N (BIOL 110N) Principles of Living Systems	3	-
CHMY 121N (CHEM 151N) Introduction to General Chemistry	3	-
WRIT 101 (ENEX 101) College Writing I (autumn A-L, spring M-Z)	(3)	(3)
KIN 205 (HHP 181) Foundations and Scientific Fundamentals in HHP (autumn A-L, spring M-Z)	(3)	(3)
HEE 110 (HHP 184) Personal Health and Wellness (Last names A-L)	-	3
CHMY 123N/124N (CHEM 152N/154N) Organic and Biochemistry & Lab	-	5
KIN 201 (HHP 226) Basic Exercise Prescription (autumn M-Z, spring A-L)	(3)	(3)
M 121 (MATH 111) or 151 (MATH 121) College Algebra or Pre-calculus	3-4	-
WRIT 222 (FOR 220) Technical Writing (Last names M-Z)	-	3
M 122 (MATH 112) College Trigonometry or General Education Requirements L,H,Y or X courses	-	3
Total	15-	17
	16	17
Second Year		A S
BIOH 201N/202N (SCN 201N) Human Anatomy and Physiology I or BIOH 365 (BIOL 312) Human Anatomy and Physiology I for Health Professions (students who take BIOH 365-370 (BIOL 312/313) must take another "NL" course, e.g. CHMY 124N (CHEM 154N) to meet Gen Ed requirements)	4	-
WRIT 222 Technical Writing (last names A-L)	2	-

HEE 110 (HHP 184) Personal Health and Wellness (last names M-Z)	3	-
NUTR 221N (HHP 236) Basic Human Nutrition	3	-
BGEN 105S (MIS/BADM 100S) Introduction to Business or BGEN 235 (MIS 257) Business Law	3	-
PSYX 100S (PSYC 100S) Introduction to Psychology	-	4
BIOH 211N/212N (SCN 202N) Human Anatomy and Physiology II or BIOH 370 (BIOL 313), Human Anatomy and Physiology II for Health Professions (students who take BIOH 365/370 (BIOL 312/313) must take another "NL" course, e.g. CHMY 124N (CHEM 154N) to meet Gen Ed requirements)	-	4
EDU 421 (HHP 486) Statistical Procedures in Education or PSYX 222 (PSYC 220) Psychological Statistics or STAT 216 (MATH 241) Introduction to Statistics	-	3/4
General Education L, H, Y or X courses or other elective	3	3
Total	15-	14-
	16	15
Third Year		
	A	S
AHAT 210/213 (HHP 240/241) Prevention and Care of Athletic Injuries & Lab	3	-
KIN 330 (HHP 384) Motor Learning and Control	-	3
BGEN 235 (MIS/BADM 257) Business Law	3	-
PHSX 205/206 (PHYS 111N/113N) College Physics I	5	-
Science Elect Lower-division elective	3	-
KIN 310 (HHP 295) Strength Training Methods	2	-
KIN 320/321 (HHP 377/378) Physiology of Exercise & Lab	-	4
KIN 410 (HHP 435) Adv. Strength Training & Cond.	-	3
HTH 465 (HHP 465) Leading Health and Human Performance Organizations	-	3
Gen. Ed. as needed or Lower Division Elective	-	3
Gen Ed/Science Elect L, H, Y or X courses as needed	-	3
Total	13	19
Fourth Year		
	A	S
ECP 120/121 (HHP 288/289) Emergency Medical Responder Lecture and Lab	3	-
KIN 322/323 (HHP 368/369) Kinesiology and Anatomical Kinesiology Lab	4	-
HTH 475E (HHP 475E) Legal and Ethical Issues in the Health and Exercise Professions	3	-
COA 405 (HHP 417) Advanced Concepts in Coaching	3	-
NUTR 411 (HHP 446) Nutrition for Sports & Exercise	-	3
KIN 447 (HHP 450) Analytical and Communication Techniques	-	3
KIN 325 (HHP 460) Biomechanics	-	3
KIN 498 (HHP 498) Internship	-	3
Lower Division Elective (as needed for total credits)	3	-
Upper-division science elective	-	3
Total	16	15

Community Health:

First Year		
	A	S
COMX 111A (COMM 111A) Introduction to Public Speaking (autumn M-Z, spring A-L)	(3)	(3)
WRIT 101 (ENEX 101) College Writing I (autumn A-L, spring M-Z)	(3)	(3)
PSYX 100S (PSYC 100S) Introduction to Psychology	4	-
KIN 205 (HHP 181) Foundations and Scientific Fundamentals in HHP (autumn A-L, spring M-Z)	(3)	(3)
HEE 110 (HHP 184) Personal Health and Wellness (autumn M-Z, spring A-L)	(3)	(3)
BIOH 112 (BIOL 112) Introduction to Human Form and Function I or BIOB 160N (BIOL 110N) Principles of Living Systems	-	4
CHMY 121N (CHEM 151N) Intro to General Chemistry	-	3
NUTR 221N (HHP 226) Basic Human Nutrition	-	3
M 115 (MATH 117) Probability and Linear Math	3	-
General Education L, H, Y or x courses	3	-
Total	16	16
Second Year		
	A	S
BIOH 201N/202N (SCN 201N) Human Anatomy and Physiology I or BIOH 365 (BIOL 312) Human Anatomy and Physiology I for Health Professions (students who take BIOH 365-370 (BIOL 312/313) must take another "NL" course, e.g. CHMY 124N (CHEM 154N) to meet Gen Ed requirements)	4	-
ENST 225 (EVST 225) Community and Environment	3	-
WRIT 222 (FOR 220) Technical Writing	2	-
KIN 201 (HHP 226) Basic Exercise Prescription	-	3
EDU 421 (HHP 486) Statistical Procedures in Education or PSYX 222 (PSYC 220) Psychological Statistics or STAT 216 (MATH 241) Introduction to Statistics	-	3/4
BIOH 211N/212N (SCN 202N) Human Anatomy and Physiology II or BIOH 370 (BIOL 313), Human Anatomy and Physiology II for Health Professions (students who take BIOH 365/370 (BIOL 312/313) must take another "NL" course, e.g. CHMY 124N (CHEM 154N) to meet Gen Ed requirements)	-	4
General Education Requirements L, H, Y or X courses or elective - approved by adviser	-	3
General Education Requirements L, H, Y or X courses	6	3
Total	15	16-
	16	17
Third Year		
	A	S
CHTH 355 (HHP 330) Theory Pract Comm Hlth Ed	3	-
KIN 447 (HHP 450) Analytical and Communication Techniques	3	-

ANTY 227 (BIOL 265) Human Sexuality	3	-
Elective - choice approved by adviser	3	-
General Education - L, H, Y or X course approved by adviser	3	-
HTH 370 (HHP 370) Peer Health Education	-	3
HTH 465 (HHP 465) Leading Health and Human Performance Organizations	-	3
HTH 475E (HHP 475E) Legal and Ethical Issues in the Health and Exercise Professions	-	3
BIOM 250N (BIOL 106N) Microbiology for Health Sciences	-	3
SW 423 Addition Studies	-	3
Total	15	15

Fourth Year

ECP 120/121 (HHP 288/289) Emergency Medical Responder Lecture and Lab	3	-
HTH 395 (HHP 371) Peer Health Education Practicum	1-3	-
HTH 430 (HHP 415) Health and Mind, Body, Spirit	3	-
ANTY 426 (ANTH 444) Culture, Health and Healing	3	-
General Education - L, H, Y or X course or Elective	3	-
Electives - General Education, HHP or out-of-department electives approved by adviser	-	5
CHTH 498 (HHP 498) Internship	-	4
HHP 445 Program Planning for Community Health	-	3
CHTH 485 (HHP 485) Theories of Health Behavior and Counseling	-	3
Total	13-	15

Health Enhancement Option:**First Year**

WRIT 101 (ENEX 101) College Writing I (autumn A-L, spring M-Z)	(3)	(3)
KIN 205 (HHP 181) Foundations and Scientific Fundamentals in HHP (autumn A-L, spring M-Z)	(3)	(3)
NASX 105H (NAS 100) Introduction to Native American Studies	3	-
M 115 (MATH 117) Probability and Linear Math	3	-
PSYX 100S (PSYC 100S) Introduction to Psychology	4	-
HHP 224 Professional Activities-Outdoor Rec	2	-
CHMY 121N (CHEM 151N) General and Inorganic Chemistry	-	3
NUTR 221N (HHP 236N) Basic Human Nutrition	-	3
COMX 111A (COMM 111A) Intro to Public Speaking (autumn M-Z, spring A-L)	(3)	(3)
BIOM 250N (BIOL 106) Elementary Medical Microbiology	-	3
HEE 110 (HHP 184) Personal Health and Wellness (autumn M-Z, spring A-L)	(3)	(3)
HEE 204 (HHP 225) Professional Activities II - Individual/Teal/Dual	-	2
Total	16	17

Second Year

HEE 203 (HHP 224) Professional Activities I - Outdoor Rec	2	-
BIOE 172N (BIOL 121N) Introductory Ecology or SCI 350 General Science: Environmental Perspectives	2-3	-
KIN 201 (HHP 226) Basic Exercise Prescription	3	-
HEE 233 (HHP 233) Health Issues/Child & Adolescent	3	-
AHAT 210/213 (HHP 240/241) Prevention and Care of Athletic Injuries & Lab	3	-
BIOH 201N/202N (SCN 201N) Human Anatomy and Physiology I or BIOH 365 (BIOL 312) Human Anatomy and Physiology I for Health Professions (students who take BIOH 365-370 (BIOL 312/313) must take another "NL" course, e.g. CHMY 124N (CHEM 154N) to meet Gen Ed requirements)	4	-
BIOH 211N/212N (SCN 202N) Human Anatomy and Physiology II or BIOH 370 (BIOL 313), Human Anatomy and Physiology II for Health Professions (students who take BIOH 365/370 (BIOL 312/313) must take another "NL" course, e.g. CHMY 124N (CHEM 154N) to meet Gen Ed requirements)	-	4
EDU 202 (C&I 200) Early Field Experience	-	1
EDU 395 (C&I 301 or 302) Field Experience: Grades 5-8 or Grades 9-12	-	1
PSYX 230S (PSYC 240S) Developmental Psychology	-	3
WRIT 222 (FOR 220) Technical Approach to Writing	-	2
General Education L & Y courses	-	3
Total	17-	18

Third Year

EDU 481 (C&I 427) Content Area Literacy	3	-
HEE 302 (HHP 339) Methods of Instruction Strategies in Elementary Physical Education	3	-
KIN 322/323 (HHP 368/369) Kinesiology and Anatomical Kinesiology Lab	4	-
HTH 475E (HHP 475E) Legal and Ethical Issues in Health and Exercise Professions	3	-
EDU 421 (HHP 486) Statistical Procedures in Education or PSYX 222 (PSYC 220) Psychological Statistics or STAT 216 (MATH 241) Introduction to Statistics	3/4	-
KIN 320/321 (HHP 377/378) Exercise Physiology and Lab	-	4
EDU 370 (C&I 306) IntegTech into Educ	-	3
HEE 301 (HHP 301) Methods of Secondary School Physical Education	-	3
KIN 330 (HHP 384) Motor Learning and Control	-	3
HEE 340 (HHP 466) Methods of Health Education	-	3
Total	19-	16

Fourth Year	A S
EDU 221 (C&I 303) Education Psychology and Measurement	3 -
EDU 407E (C&I 407E) Ethics and Policy Issues	3 -
EDU 345 (C&I 410) Exceptionality/Classroom Management	3 -
ECP 120/121 (HHP 288/289) Emergency Medical Responder Lecture and Lab	3 -
HTH 465 (HHP 465) Leading HHP Organizations	3 -
EDU 494 (C&I 494) Seminar/Workshop	- 1
EDU 495 (C&I 481) Student Teaching: K-8	- 7
EDU 495 (C&I 482) Student Teaching 5-12	- 7
Total	15 15

Courses

R- before the course description indicates the course may be repeated for credit to the maximum indicated after the R. Credits beyond this maximum do not count toward a degree.

Activities (ACT) - Course Descriptions

101, 103, 105, 106, 107, 109, 110, 111, 113, 114, 115, 118, 119, 136, 140, 143, 144, 145, 146, 150, 151, 152, 154, 157, 163, 164, 167, 169, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 185, 186, 191, 207, 214, 218, 219, 222, 225, 228, 229, 231, 232, 233, 234, 235, 237, 250, 251, 257, 258, 259, 271, 274, 286, 287, 291, 337, 391, 491, 494

Activities - Varsity (ACTV) - Course Descriptions

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Allied Health - Athletic Training (AHAT) - Course Descriptions

210, 213, 292, 295, 305, 322, 323, 324, 325, 336, 337, 340, 341, 342, 343, 411, 412, 421, 422, 468, 479, 490, 492, 498

Athletic Training Education (Master's) (ATEP) Course Descriptions

534, 540, 541, 542, 544, 546, 550, 551, 566, 569, 572, 574, 578

Coaching (COA) - Course Descriptions

205, 405, 494

Community Health (CHTH) - Course Descriptions

292, 355, 435, 445, 485, 490, 492, 498

Emergency Care Provider (ECP) - Course Descriptions

100, 101, 102, 120, 121, 122, 331, 332

Health (HTH) - Course Descriptions

292, 370, 395, 430, 465, 475E, 481, 492, 498

Health Enhancement (HEE) - Course Descriptions

110, 203, 204, 233, 292, 301, 302, 340, 490, 492, 498

Kinesiology (KIN) - Course Descriptions

201, 205, 248, 292, 310, 320, 321, 322, 323, 325, 330, 410, 440, 447, 460, 480, 483, 484, 490, 492, 498, 499

Nutrition (NUTR) - Course Descriptions

221N, 411

Faculty

Professors

Gene Burns, Ed.D., The University of Montana, 1988

Laura Dybdal, Ph.D., University of New Mexico, 1996