

1. achieving a grade of C-or better in one of the following courses which address different aspects of mathematical literacy: M 104, 105, 115, 118, 121, 122, 132, 135, 151, 162 and STAT 216; or a mathematics course of 3 or more credits for which one of these is a prerequisite.
2. achieving a score of 50 or better on the CLEP College Algebra Test, the CLEP College Precalculus Test, or the CLEP College Mathematics Test.
3. passing the Mathematical Literacy Examination administered by the Department of Mathematical Sciences. To qualify to take the Mathematical Literacy Examination, a student must have achieved a score of 630 or better on the SAT Math exam or a score of 28 or better on the ACT Math exam. A student may take the Mathematical Literacy Examination only once. Further details are available from the Department of Mathematical Sciences.

Students must complete the mathematical literacy requirement by the time they have earned 30 credits; if not, they must register for a mathematical sciences course every semester until they have completed the requirement. Because many other courses at the university assume some mathematical literacy, it is strongly recommended that all students complete their mathematical literacy requirement as soon as possible.

Upon completion of the mathematical literacy requirement, a student will be able to effectively apply mathematical or statistical reasoning to a variety of applied or theoretical problems.

### Group III: Modern and Classical Language

The language requirement can be met in any of the following ways:

1. by achieving a C- or better in a second-semester language course offered at the University of Montana;\*
2. by achieving a grade of C- or above in a language course numbered 201 or above at The University of Montana;
3. by presenting a transcript record of completion with a grade of C- or better of a second-semester (or more advanced) language course at an accredited college or university;
4. by achieving an appropriate score on a placement exam administered by the offering department;
5. by receiving verification of an appropriate level of proficiency in any other natural language in collaboration with the department of Modern and Classical Languages and Literatures. Note that the student's native language, if it is not English, can be used to fulfill this requirement.

\* Three 3-credit courses of Irish are required to fulfill the general education requirement.

Upon completion of the Modern and Classical Languages requirement, the student will have a basic functional knowledge of a second natural language sufficient to:

read and write if the language is classical, such as Latin or classical Greek;

read and write if the language is classical, such as Latin or classical Greek;

speak and aurally comprehend, if the language does not have a written tradition, such as Salish;

perform all four skills (speaking, aural comprehension, reading, and writing) if the language is modern and has a written tradition, such as Japanese or French;

demonstrate both receptive (visual comprehension) and expressive (manual production) proficiency if the language is American Sign Language.

<b>Course #</b>	<b>Title</b>
ARAB 101	Elementary Modern Arabic I (Elementary Standard Arabic)
ARAB 102	Elementary Modern Arabic II (Elementary Modern Standard Arabic)
CHIN 101	Elementary Chinese I
CHIN 102	Elementary Chinese II
CSD 131	American Sign Language I
CSD 132	American Sign Language II
FRCH 101	Elementary French I
FRCH 102	Elementary French II
GRMN 101	Elementary German
GRMN 102	Elementary German
GRK 101	Elementary Greek I
GRK 102	Elementary Greek II

ITLN 101	Elementary Italian I
ITLN 102	Elementary Italian II
JPNS 101	Elementary Japanese I
JPNS 102	Elementary Japanese II
LATN 101	Elementary Latin
LATN 102	Elementary Latin
LSH 191	Elementary Hindi I
LSH 191	Elementary Hindi II
NASX 141	Blackfoot I
NASX 142	Blackfoot II
RUSS 101	Elementary Russian I
RUSS 102	Elementary Russian II
SPNS 101	Elementary Spanish
SPNS 102	Elementary Spanish
*IRSH 101	Elementary Irish One
*IRSH 102	Elementary Irish Two

*IRSH 103	Elementary Irish Three
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- \* Three 3 credit courses of Irish are required to fulfill the general education requirement
- Students may satisfy the requirement by demonstrating equivalent skill in any of these or other languages in testing administered by the Department of Modern and Classical Languages and Literatures.
- International students from non English speaking countries may satisfy this requirement by presenting a TOEFL score of 580 or greater, or by successful completion of ESL/LING 250 or 450, or by presenting a department approved application for degree.

Group III: Exceptions to the Modern and Classical Language requirement - Symbolic Systems

The majors listed below have been granted exceptions to the Modern and Classical Language requirement. Students graduating in any one of these majors may substitute the symbolic system course or courses designated by the major.

Each of these courses presents the foundations of a symbolic system, defined as a relationship that maps real-world objects, principles and doctrines with abstractions of the real-world.

Symbolic systems facilitate communication in specialized ways but do not comprise a spoken or written language by which members of a culture typically communicate with each other.

Upon completion of a symbolic systems course or courses, students will be able to:

1. demonstrate an understanding of the symbols and the transformations of the system;
2. relay and interpret information in terms of the given symbolic system;
3. apply creative thinking using the symbolic system in order to solve problems and communicate ideas;

Major	Symbolic Systems Course(S)
Accounting & Finance	STAT 216
Biology	M 162 or M 171 or M 181
Chemistry	M 162 or M 171 or M 181 (or any course for which one of them is a prerequisite)

Computer Science	CSCI 131 and CSCI 136
Curriculum & Instruction	M 133 and 234
Ecological Restoration	FORS 201 or STAT 216
Forestry	FORS 201 or STAT 216
Geoscience	M 162 or M 171 or M 181
Health and Human Performance Options: Exercise Science, Pre-Professional Exercise Science, Pre-Athletic Training	M 121 or 151 and STAT 216, PSYX 222. SOCI 202 or EDU 421
Health and Human Performance Options: Health Enhancement, Community Health	M 115 and STAT 216, PSYX 222. SOCI 202 or EDU 421
Management Information Systems	STAT 216, SOCI 202, FORS 201, or PSYX 222
Management & Marketing	STAT 216, SOCI 202, FORS 201, or PSYX 222
Mathematics or combined Mathematics /Computer Science or Computer Science/Mathematics	M 171 or M 181 (or any course for which one of them is a prerequisite)
Media Arts	MART 340 and 341
Medical Technology	M 162 or M 171 or M 181
Microbiology	M 162 or M 171 or M 181
Music and Music Education	MUSI 105, 106, 140 & 141

Neuroscience	M 162 and STAT 216 or PSYX 222
Pharmacy	M 162 and STAT 216 or PSYX 222 or SOCI 202
Parks, Tourism and Recreation Management	FORS 201, STAT 216, WILD 240 or SOCI 202
Resource Conservation	FORS 201, STAT 216, WILD 240 or SOCI 202
Theatre - Bachelor of Fine Arts (Acting Emphasis)	THTR 210, 211 & 310
Theatre - Bachelor of Fine Arts (Design/Technology Emphasis)	THTR 255 & THTR 345 or 355
Wildlife Biology	M 162 or higher and WILD 240

**Students are advised that most courses meeting the symbolic systems exception have prerequisites, as indicated in the chart below:**

<b>Course</b>	<b>Title</b>	<b>Pre-requisite(s)</b>
CSCI 135	Fundamentals of Computer Science I	Computer programming experience in a language such as BASIC, Pascal, C, etc.; coreq., M 095 D or consent of instr. CSCI 104 highly recommended as prereq. or coreq
CSCI 136	Fundamentals of Computer Science II	CSCI 135 ; coreq., M 151 or consent of instr
EDU 421	Statistical Procedures in Education	M 115 or equiv. or consent of instr
FORS 201	Forest Biometrics	M 115 or M 151 or equivalent

M 133	Geometry and Measurement for Elementary Teachers	M 132
M 162	Applied Calculus	Appropriate placement score or one of M 121, 122, or 151
M 171	Calculus I	M 122 or 151 or appropriate placement score
M 181	Honors Calculus I	Consent of Instructor
M 234	Higher Mathematics for Elementary School Teachers	M 132
MUSI 105	Music Theory I	Coreq., MUSI 140
MUSI 106	Music Theory II	MUSI 105 and Coreq., MUSI 141
MUSI 139	Language of Music II	MUSI 138
MUSI 140	Aural Perception I	Coreq., MUSI 105
MUSI 141	Aural Perception II	MUSI 140 and Coreq., MUSI 106
PSYX 222	Psychological Statistics	PSYX 100S, 120: M 115, 162, or 171
SOCI 202	Social Statistics	M 115 or consent of instructor
STAT 216	Statistics	M 115 (preferred), or one of M 121, 135, 151, 162 or 171, or ALEKS placement $\geq 4$
STAT 451	Statistical Methods	One year of college mathematics including M 115 or equiv. course in probability or consent of instr.

THTR 211	Voice and Speech II	THTR 210
THTR 310	Voice and Speech III	THTR 211
THTR 345	Flat Pattern Design and Drafting	THTR 255
THTR 355	Computer-Aided Drafting and Computer Applications for the Theatre	THTR 255
WILD 240	Introduction to Biostatistics	M 162

Group IV: Expressive Arts (A)

Expressive Arts courses are activity-based and emphasize the value of learning by doing in an artistic context. Upon completion of an Expressive Arts course, students will be able to express themselves in the making of an original work or creative performance; understand the genres and/or forms that have shaped the medium; and critique the quality of their own work and that of others.

Course #	Title
ARTZ 103A	Art for Non-Majors
ARTZ 105A	Visual Language: Drawing
ARTZ 106A	Visual Language: 2-D Design
ARTZ 108A	Three Dimensional Fundamentals
ARTZ 131A	Ceramics for Non-Majors



ARTZ 191A	Art for Non-Majors - (one time only designation for autumn 2014)
ARTZ 211A	Drawing I
ARTZ 221A	Painting I
ARTZ 231A	Ceramics I
ARTZ 251A	Sculpture I
ARTZ 271A	Printmaking I
ARTZ 284A	Photo I - Techs and Processes
ARTZ 302A	Elementary School Art
ARTZ 394A	Environmental Draw Seminar
COMX 111A	Introduction to Public Speaking
COMX 217A	Oral Interpretation of Literature
CRWR 210A	Introduction Fiction Workshop
CRWR 211A	Introduction Poetry Workshop
CRWR 212A	Introduction Nonfiction Workshop
CRWR	Interm Nonfiction Workshop

312A	
DANC 100A	Modern Dance I
DANC 110A	Ballet I
DANC 115A	Jazz Dance I
DANC 118A	Dance Forms: Tap
DANC 129A	Dance Performance Lab I
DANC 130A	Introduction to Dance
DANC 160A	Dance Forms: Irish
DANC 165A	Dance Forms: African
DANC 170A	Dance Forms: Tribal Style Belly
DANC 200A	Modern Dance II
DANC 210A	Ballet II
DANC 215A	Jazz Dance II
DANC 220A	Beginning Composition
DANC 229A	Dance Performance Lab II
ENST 373A	Nature Works

JRNL 140A	Beginning Radio/Audio Storytelling
JRNL 191A	GLI:From Homer to HeroCams:Adventure Narrative through the Ages (one time only designation for autumn 2014)
MART 112A	Intro to Non-Lin Editing
MART 111A	Integrated Digital Art
MUSI 102A	Performance Study
MUSI 108A	Orchestras: USMO (Orchestras)
MUSI 110A	Opera Theatre
MUSI 111A	Singing for Non-Majors
MUSI 112A	Choir: Chamber Choral
MUSI 114A	Band: UM Concert Band
MUSI 122A	Percussion Ensemble: UM
MUSI 123A	World Percussion Ensemble
MUSI 131A	Jazz Ensemble: UM Jazz Bands
MUSI 135A	Keyboard Skills I
MUSI 136A	Keyboard Skills II
MUSI 155A	Marching: Grizzly Marching Band

MUSI 160A	Beginning Guitar
MUSI 162A	Chamber Ensembles
MUSI 267A	Composers' Workshop I
MUSI 304A	Sound in the Natural World
MUST 227A	Mountain Electroacoustic Laptop Ensemble I
THTR 102A	Introduction to Theatre Design
THTR 106A	Theatre Production I: Run Crew
THTR 107A	Theatre Production I: Construction Crew
THTR 113A	Introduction to Vocal Acting
THTR 120A	Introduction to Acting I
THTR 121A	Introduction to Acting II
THTR 220A	Acting I
THTR 229A	Production Acting I
THTR 239A	Creative Drama/Dance: K-8

Group V: Literary and Artistic Studies (L)

In these courses, students develop familiarity with significant works of artistic representation, including literature, music, visual art, and/or performing arts. Through this experience, students enhance their analytical skills and explore the historical, aesthetic, philosophical, and cultural features of these works.

Upon completion of a Literary and Artistic Studies course, students will be able to:

1. analyze works of art with respect to structure and significance within literary and artistic traditions, including emergent movements and forms; and
2. develop coherent arguments that critique these works from a variety of approaches, such as historical, aesthetic, cultural, psychological, political, and philosophical.

<b>Course #</b>	<b>Title</b>
ARTH 160L	Global Visual Culture
ARTH 250L	Introduction to Art Criticism
CLAS 155L	Survey of Greek and Roman Literature
CLAS 251L	The Epic
CLAS 252L	Greek Drama: Politics on Stage
COMX 140L	Introduction to Visual Rhetoric
CRWR 115L	Montana Writers Live!
DANC 234L	Dance in Cinema
DANC 360L	World Dance
ENST 335L	Environmental Vision
FILM 103L	Introduction to Film
GRMN 322L	Survey of German Cinema

GRMN 340L	Nature and the Environment in German Literature and Film
HONR 121L	Ways of Knowing
IRSH 345L	Literature in the Irish Language
LIT 110L	Introduction to Literature
LIT 120L	Poetry
LIT 191L	GLI: Crossing Borders: Film, Literature, and Adaptation (one time only designation for autumn 2015)
LIT 210L	American Literature I
LIT 211L	American Literature II
LIT 220L	British Literature: Medieval to Renaissance
LIT 221L	British Literature: Enlightenment to Romanticism
LIT 222L	British Literature: Victorian to Contemporary
LIT 270L	Film and Literature
LIT 280L	Introduction to the Ecology of Literature
LIT 349L	Medieval Literature
LIT 350L	Chaucer
LIT 353L	Milton

LIT 378L	Gay and Lesbian Studies
LSH 151L	Introduction to Humanities Bible
LSH 152L	Introduction to Humanities Medieval
LSH 327L	Gender and Sexuality in English Fiction
MART 101L	Intro to Media Arts
MCLG 155L	Survey of Classical Literature
MCLG 160L	Classical Mythology
MCLG 191L	GLI: Human Rights Issues in Literature & Film of the Portuguese Speaking World (one time only designation for autumn 2015)
MCLG 313L	Classical Chinese Poetry in Translation
MCLG 314L	Traditional Chinese Literature
MCLG 332L	Introduction to Multicultural Literature in Germany
MUSI 101L	Enjoyment of Music
MUSI 130L	History of Jazz
MUSI 132L	History of Rock and Roll
MUSI 133L	Country Music: Cowboys, Opry and Nashville
MUSI 202L	Introduction to Music Literature

NASX 235X	Oral and Written Traditions Native Americans
NASX 239X	Native North American History and Art
RUSS 312L	Russian Literature I
RUSS 313L	Russian Literature II
THTR 101L	Introduction to Theatre
THTR 235L	Dramatic Literature
WGSS 163L	Historical and Literary Perspectives on Women

Group VI: Historical and Cultural Studies (H)

These courses present the historical or cultural contexts of ideas and institutions, and examine cultural development or differentiation in the human past. They are foundational in that they are wide-ranging in chronological, geographical, or topical focus, or in that they introduce students to methods of inquiry specific to a particular discipline.

Upon completion of a Historical and Cultural Studies course, students will be able to:

1. synthesize ideas and information with a view to understanding the causes and consequences of historical developments and events;
2. evaluate texts or artifacts within their historical and/or cultural contexts;
3. analyze human behavior, ideas, and institutions within their respective historical and/or cultural contexts.

Course #	Title
AAS 141H/HIST 141H	Black: Africa to Hip-Hop and Beyond, An introduction
AAS 208H/HIST 208H	Discovering Africa



ANTY 101H	Anthropology and the Human Experience
ANTY102H	Introduction to South & Southeast Asia
ANTY 103H	Introduction to Latin American Studies
ANTY 141H	The Silk Road
ANTY 241H	Central Asian Cultures and Civilizations: Peoples and Environments
ANTY 251H	Foundation of Civilization
ANTY 254H	Archaeological Wonders of the World
ANTY 351H	Archaeology of North America
ANTY 354H	Mesoamerican Prehistory
ARTH 200H	Art of World Civilization: Ancient to Medieval Art
ARTH 201H	Art of World Civilization: Early Modern to Contemporary Art
ARTH 333H	Architectural History I
ARTH 334H	Architectural History II
ARTH 433H	Ancient American Art
CHIN 211H	Chinese Culture and Civilization
CLAS 180H	Environment and Nature in the Classical World

CLAS 191H	GLI: Writing the Legends of Afghanistan (one time only designation for autumn 2015)
CLAS 360H	Ancient Greek Civilization and Culture
COMX 240H	Introduction to Rhetorical Theory
ENST 230H	Nature & Society
ENST 231H	Nature & Society - Missoula College
GRMN 106H	Introduction to German Culture and Civilization
GRMN 351H	German Culture, Beginnings to 1900
GRMN 352H	German Culture, 1900 to the Present
HSTA 101H/103H	American History I/Honors American History I
HSTA 102H/104H	American History II/ Honors American History II
HSTA 342H/AAS 342H	African American History to 1865
HSTA 343H/AAS 343H	African American History since 1865
HSTA 370H	Women in America from the Colonial Era through the Civil War
HSTA 371H	Women in America from the Civil War to the Present
HSTR 101H/103H	Western Civilization I /Honors Western Civilization I
HSTR 102H/104H	Western Civilization II /Honors Western Civilization II

HSTR 230H	Colonial Latin America
HSTR 231H	Modern Latin America
HSTR 241H	Central Asian Cult & Civ
HSTR 262H	Islamic Civilization: Classical Age
HSTR 264H	Islamic Civilization: Modern Era
HSTR 301H	Ancient Greek Social History
HSTR 302H	Ancient Greece
HSTR 304H	Ancient Rome
JRNL 100H	Media History and Literacy
JPNS 150H	Japanese Culture and Civil
LSH 102H	Introduction to South & Southeast Asia
LSH 161H	Introduction to Asian Humanities
MCLG 100H	Introduction to Latin American Studies
MCLG 105H/RUSS 105H	Introduction to Russian Culture
MCLG 211H	Chinese Culture and Civilization
MCLG 231H	Germanic Mythology and Culture

MCLG 360H/ARTH 402H	Ancient Greek Civilization and Culture
MUSI 207H	World Music
MUSI 301H	Music History I
MUSI 302H	Music History II
NASX 105H	Introduction to Native American Studies
NASX 405H	Gender Issues in Native American Studies
PHL 241N	History and Philosophy of Science
RLST 204H	Introduction to the Hebrew Bible
RLST 232H	Buddhism
RUSS 105H	Introduction to Russian Culture
THTR 330H	Theatre History I

#### Group VII: Social Sciences (S)

Social science courses describe and analyze human social organization and interaction, employing social data at a broad scale with statistical relevance, experimental data on individuals or groups, or qualitative data based on observation and discourse.

Upon completion of a Social Sciences course, students will be able to:

1. Describe the nature, structure, and historical development of human behavior, organizations, social phenomena, and/or relationships;
2. use theory in explaining these individual, group, or social phenomena; and/or
3. understand, assess, and evaluate how conclusions and generalizations are justified based on data

Course #	Title
ANTY 122S	Race and Minorities
ANTY 220S	Culture & Society
ANTY 250S	Introduction to Archaeology
BFIN 205S	Personal Finance
BGEN 105S	Introduction to Business
BGEN 160S/CCS 160S	Issues in Sustainability
BMGT 101S	Introduction to Entertainment Management
COMX 115S	Interpersonal Communication
COMX 191S	GLI: Can Giving Change the World (one time only designation for autumn 2014)
COMX 191S	GLI: Social Interaction, Relationship, and Human well-Being (one time only designation for autumn 2014)
COMX 202S	Nonverbal Communication
COMX 219S	Survey of Children's Communication
COMX 220S	Organizational Communication
COUN 242S	Intimate and Family Relationships

ECNS 101S	Economic Way of Thinking
ECNS 201S	Principles of Microeconomics
ECNS 202S	Principles of Macroeconomics
ENST 489S	Environmental Justice Issues and Solutions
GPHY 121S	Human Geography
GPHY 141S	Geography of World Regions
GPHY 323S	Economic Geography of Rural Areas
KIN 191S	GLI: Exercise is Medicine (one time only designation for autumn 2014)
LING 270S	Introduction to Linguistics
NRSM 121S	Nature of Montana
NRSM 370S	Wildland Conservation Policy and Governance
PSCI 210S	Introduction to American Government
PSCI 220S	Introduction to Comparative Government
PSYX 100S	Introductory Psychology
PSYX 161S	Fundamentals of Organizational Psychology
PTRM 210S	Nature Tourism and Commercial Recreation

PTRM 217S	Wildland Recreation Management
SOCI 101S	Introduction to Sociology
SOCI 130S	Sociology of Alternative Religions
SOCI 191S	GLI:Who Am I? Identity and Our Diverse Social World (one time only designation for autumn 2014)
SOCI 211S	Introduction to Criminology
SOCI 212S	Social Issues in Southeast Asia
SOCI 220S	Race, Gender, and Class
SOCI 275S	Gender and Society
WGSS 263S	Women, Men, and Sexuality

Group VIII: Ethics and Human Values (E)

Ethics and Human Values courses familiarize students with one or more traditions of ethical thought. These courses rigorously present the basic concepts and forms of reasoning that define and distinguish each tradition. The focus of these courses may be on one or more of these traditions, or on a concept such as justice or the good life as conceptualized within one or more of these traditions, or on a professional practice within a particular tradition.

Upon completion of an Ethics and Human Values course, students will be able to:

1. correctly apply the basic concepts and forms of reasoning from the tradition or professional practice they studied to ethical issues that arise within those traditions or practices;
2. analyze and critically evaluate the basic concepts and forms of reasoning from the tradition or professional practice they studied.

Course #	Title
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AHMS 270E	Medical Law and Ethics
ANTY 326E	Indigenous Peoples and Global Development
ANTY 403E	Ethics and Anthropology
BGEN 220E	Business Ethics and Social Responsibility
CHMY 302E	Chemical Literature and Scientific Writing
CLAS 365E	Roots of Western Ethics
CSCI 215E	Ethics and Information
CSCI 216E	Technology, Ethics, and Society
CSCI 315E	Computer, Ethics, and Society
EDU 407E	Ethics and Policy Issues
GEO 304E	Science and Society
HONR 122E	Ways of Knowing II
HONR 320E	Research Portfolio Seminar
HSTR 272E	Terrorism: Violence in the Modern World
HSTR 374E	War, Peace, and Society
HTH 475E	Legal & Ethical Issues in the Health & Exercise Professions



LSH 389E	Placebos: The Power of Words
NASX 303E	Ecological Perspectives of Native American Traditions
NASX 304E	Native American Beliefs and Philosophy
NRSM 449E	Climate Change Policy and Ethics
NRSM 489E	Ethics, Forestry and Conservation
PHAR 514E	CASE Studies in Pharmacy Ethics
PHL 110E	Introduction to Ethics
PHL 112E	Introduction to Ethics and the Environment
PHL 114E	Introduction to Political Ethics
PHL 210E	Moral Philosophy
PHL 321E	Philosophy and Biomedical Ethics
PSCI 250E	Introduction to Political Theory
RLST 281E	Comparative Ethics
SW 410E	Social Work Ethics

Group IX: American and European Perspectives (Y)

These courses present a critical introduction to the antecedents, principles, institutions, cultures, traditions and legacies of the United States and Europe.