

1. The 101-102 active skills sequence in any foreign language.
2. Any single course at or above the 102 or 112 level in any foreign language.
3. An equivalency test for (3) offered by the Department of Modern and Classical Languages and Literatures.

The Department of History does not allow credit for foreign languages taken in high school but students with high school backgrounds in a foreign language may wish to pursue options (2) or (3) above.

III. Upper-Division Writing Expectation

The Upper-Division Writing Expectation must be met by successfully completing an upper-division history writing course from the approved list in the Academic Policies and Procedures section of this catalog. See index.

Requirements for a History Minor

To earn a minor in history, the student must complete the following: (1) a minimum of 20 credits in history of which 6 credits must be in American history, 6 must be in European history, and 6 in world history (Asian, Islamic, or Latin American); (2) two of the following 8 courses: HSTR 101H, 102H, 103H, 104H (HIST 104, 105, 107, 108), HSTA 101H, 102H, 103H, 104H, (HIST 151-154); (3) of the 20 credits at least 9 must be upper-division credits; and (4) WRIT 101 (ENEX 101) or its equivalent.

Teacher Preparation in History

Students who want to be licensed to teach history at the middle and high school level must complete the BA degree requirements in history. They also must complete a teaching minor in a second field of their choice and the professional licensure program in the School of Education. Students may also earn a teaching minor in history. See the Department of Curriculum & Instruction for information about admission to the Teacher Education Program and completion of these licensure programs.

Teacher Preparation in History and Government

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 BA degree requirements for the combined academic major in history and political science. In completing this combined degree, students simultaneously satisfy the Comprehensive Social Science teaching major and the professional licensure program in the School of Education. See the Department of Curriculum & Instruction for information about admission to the Teacher Education Program and completion of this licensure program.

Suggested Course of Study for History Majors

First Year	A	S
HSTR 101H, 102H (HIST 104-105) Western Civilization I & II or HSTA 101H, 102H American History I & II (HIST 151-152)	4	4
WRIT 101 (ENEX 101) Composition	3	-
Foreign language	5	5
Electives and General Education	3	6
	15	15
Second Year	A	S
HSTR 240 (HIST 201) East Asia, HSTR 208 (HIST 208) Africa, HSTA 255 (HIST 269) Montana, HSTR 262, 264 Islamic, or HSTR 230H, 231H Latin America	6	6
Electives and General Education	9	9
	15	15
Third Year	A	S
HSTR 300 The Historian's Craft or a 400-level approved history writing course.	(3)	(3)
HSTA OR HSTR upper division history courses	3- 6	3- 6
Electives and General Education	9	9
	15	15
Fourth Year	A	S
HSTA OR HSTR upper division history courses	6	3
Electives, General Education, Broadfield Social Sciences and C&I courses (if applicable)	9	12
	15	15

Courses

U = for undergraduate credit only, UG = for undergraduate or graduate credit, G = for graduate credit. R after the credit 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.

United States History (HSTA)

- **U 101H (HIST 151H) American History I 4 cr.** Offered autumn. A comprehensive introductory history of Colonial, Revolutionary and 19th century America, to 1877. Lecture-discussion. Credit not allowed for both 101H and 103H.
- **U 102H (HIST 152H) American History II 4 cr.** Offered spring. A comprehensive introductory history of the U.S. since 1877. Lecture-discussion. Credit not allowed for both 102H and 104H.
- **U 103H (HIST 154H) Honors American History I 4 cr.** Offered autumn. Enrollment by consent of instructor. A comprehensive introductory history of Colonial, Revolutionary, and 19th century America, to 1877. Lecture-honors discussion. Credit not allowed for both 103H and 101H.
- **U 104H (HIST 155H) Honors American History II 4 cr.** Offered spring. Enrollment by consent of instructor. A comprehensive introductory history of the U. S. since 1877. Lecture-honors discussion. Credit not allowed for both 104H and 102H.
- **U 161 (HIST 161) 3cr.** Same as AAS 141. This course introduces students to the primary questions, themes, and approaches to African American Studies. In addition to examining key historical periods such as Reconstruction, the Harlem Renaissance, and the Civil Rights era, students will encounter Hip-Hop, African-American film, African-American religion, and contemporary identity politics. This course concludes by discussing the reasons for and new directions in African American studies, including diasporic studies, Pan-Africanism, and post colonial studies.
- **U 191 (HIST 195) Special Topics Variable cr. (R-6)** Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.
- **U 198 Internship Variable cr.** Offered intermittently. Prereq., consent of department. Extended classroom experience which provides practical application of classroom learning during placements off campus. Prior approval must be obtained from the faculty supervisor and the Internship Services office. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation.
- **U 225 (HISTA 352) The American Revolution, 1763-1801 3 cr.** Offered spring. Dissent within the revolutionary movement; the different revolutionary traditions.
- **U 255 (HIST 269) Montana 3 cr.** Offered autumn. An introductory and interpretive history from Lewis and Clark to 2000.
- **U 262 (HIST 262) Abolitionism 3 cr.** Same as AAS 262. Offered spring. Interdisciplinary, historical perspective on early 19th century movement to abolish slavery and racial discrimination in the United States.
- **U 291 (HIST 295) Special Topics Variable cr. (R-12)** Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.
- **Although the department has no official prerequisites for 300-level courses, they generally rest on a modicum of survey knowledge or ability.**
- **UG 311 (HIST 351) Early America 3 cr.** Offered even-numbered years. Emphasis changes from year to year. Can touch upon the political economy of Puritanism, through gender and family to the preconditions for the American Revolution.
- **UG 315 (HIST 353) The Early American Republic, 1787-1848 3 cr.** Offered spring odd-numbered years. Democracy, nationalism and sectionalism, the War of 1812, the second party system, social order and disorder, the capitalist revolution.
- **UG 316 (HIST 355) American Civil War Era 3 cr.** Offered autumn odd-numbered years. Civil War and Reconstruction; the triumph of the industrialist and capitalist ethic.
- **UG 320 (HIST 356) The Birth of Modern America, 1877-1919 3 cr.** Offered autumn odd-numbered years. The history of the U.S. from 1877 to 1920 is largely the story of Americans responding to profound social, cultural and economic change. In an effort to bring order to their changing world, Americans created new institutions, retooled their ideologies, and improved the nation's infrastructure. The order they created is, in modified form, still with us today. Students will explore the myriad changes that transformed the United States during this period and study the social, political, and cultural struggles that shaped the emergence of Modern America.
- **UG 321 (HIST 357) America in Crisis, 1920 to 1952 3 cr.** Offered autumn. This era in U.S. history was marked by a series of crises: the contested transition to modernity during the 1920s, the Great Depression, and World War II and its aftermath. This course will explore how Americans responded to these crises, why they responded to them the way they did, and how their responses altered the society in which they lived.
- **UG 322 (HIST 358) America in Our Time: The United States, 1952 to the Present 3 cr.** Offered spring. The Cold War and its consequences, the civil rights revolution, affluence and anxiety, counter-culture, political radicalism, feminism, the Nixon years, Watergate and after.
- **U 330 (HIST 359) Topics in 20th Century U.S. History 3 cr. (R-9)** Offered intermittently. Selected topics in 20th century American history.
- **UG 333 (HIST 368) American Military History 3 cr. (R-6)** Offered spring. The French and Indian Wars to Vietnam and beyond; chronological and topical accounts.
- **U 342H (HIST 378H) African American History to 1865 3 cr.** Offered intermittently. Same as AAS 378. Survey of the African American experience from the African background to the end of the Civil War. Focus on Black American quest for the American Dream, and how Blacks attempted to deal with the challenges of enslavement and racism.
- **U 343H (HIST 379H) African American History Since 1865 3 cr.** Offered intermittently. Same as AAS 379H. Study of the African American experience since the Civil War. Change and continuity in the African American experience, the fight against Jim Crow, the struggle for civil rights, and post-civil rights economic, political, social and cultural developments and challenges.
- **UG 344 (HIST 362) Afro-American Struggle for Equality 3 cr.** Offered intermittently. A survey of the various efforts by African Americans to achieve racial equality in the United States from the late 19th century through the 1960s.
- **U 345 (HIST 373) The Black Radical Tradition 3 cr.** Autumn, odd years. From slave revolts through to the Move rebellion in Philadelphia, this course examines how the African-American community has engaged in radical efforts to change the status quo in the name of seeking justice. Same as AAS 373.
- **U 347 African American Religious Experience 3cr.** Spring, odd years. Same as AAS 374 and RELS 374. The African American

religious experience encompasses Islam, Christianity, Santeria, voodoo, and many others. In this course, students will examine the history of religious expression within the African-American community from the colonial era through the twentieth century. Central to the course question, "How did religion shape the experience of the African-American community?" Students will also examine the ways in which religious practice influenced social, political, and cultural changes in American history.

- **UG 354X Indians of Montana Since the Reservation Era 3 cr.** Offered autumn odd-numbered years. Same as ANTH 324X and NAS 324X. Examination of the history of Montana Indians since the establishment of the reservations, contemporary conditions, and issues among both reservation and non-reservation Indian communities in the state. Special attention given to social and economic conditions, treaty rights, tribal sovereignty, and legal issues.
- **UG 358 (HIST 369) Images of the American West 3 cr.** Offered even-numbered years. The roles that artists, artistic works and illustrations, and symbolic images have played in the history of the American West.
- **UG 361 The American South: From Slavery to Civil Rights 3 cr.** Offered autumn odd-numbered years. Social history of the American South with particular attention to race, class, and gender.
- **U 375 U. S. Immigration and Ethnicity 3 cr.** Discussion-BASED course on immigration, assimilation, and social diversity in U.S. history. Students will study the waves of immigration that have peopled America from colonial times to the present, the shifting intellectual and policy responses to immigration, the social histories of different immigrant and ethnic/racial groups, and contemporary debates about multiculturalism.
- **UG 379 (HIST 377) American Constitutional History Since 1864 3 cr.** Offered intermittently. The development of the American Constitution from the Civil War to the present.
- **UG 380H (HIST 376) Problems in American Constitutional History 3 cr.** Offered intermittently. An examination of major issues in the American constitutional past. Topics include the creation of the U.S. Constitution and the problem of "original intent," courts and judicial review, slavery and anti-slavery, the bill of rights, industrial capitalism and the welfare state, and majority rule and minority rights in American democracy.
- **UG 382 (HIST 363H) History of American Law 3 cr.** Offered intermittently. Issues in the social history of law from the colonial period to the present.
- **U 385 (HIST 367H) Families and Children in America 3 cr.** Offered intermittently. Historical overview of families and children in the United States from the colonial era to the present. Topics include changing patterns of family life, the evolution of attitudes toward children and youth, the relationship between the American family and the nation-state, and debates over "family values" from the nation's founding to the present.
- **UG 387 (HIST 370H) Women in America: to the Civil War 3 cr.** Offered autumn. Same as WS 370H. Interpretive overview of women's experiences in America before the Civil War. Exploration of new definitions of womanhood and "women's sphere" emerging from women's varied experiences in the American colonies and the American Revolution; how immigrant, poor, slave, and western women transgressed the boundaries of their sphere; and how women--from both inside and outside their assigned sphere--reshaped their roles in American society.
- **UG 388 (HIST 371H) Women in America: from the Civil War to the Present 3 cr.** Offered spring. Same as LS and WS 371H. Interpretive overview of women's experiences in America after the Civil War. Exploration of such topics as women's associations, the battle for suffrage, organized feminism and its opponents, the industrialization of housework, women in the workforce, reproductive rights, and welfare. Particular attention to women's experiences shaped by class and race as well as by gender.
- **U 391 (HIST 395) Special Topics Variable cr.** (R-12) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.
- **Although the department has no official prerequisites for 400-level courses, they may require appropriate prior study. Interested students should inquire of the History Department before registering.**
- **U 417 (HIST 450) Prayer and Civil Rights 3 cr.** Autumn, even years. Same as AAS 450 and RELS 450. This course explores the meaning of public prayer in the Civil Rights Movement. Built around the question, "Does religion help or hinder the pursuit of social change?" this class combines historical and religious studies inquiry to trace changes in civil rights activists' efforts to make use of religion. By focusing on a particular religious practice - in this case prayer - in a specific, but limited period of time, this course challenges students to consider how meaning is formed through historical action and study the social significance of religious practice. This formed through historical action and study the social significance of religious practice. This course complicates prevailing ideas about the normalcy of African-American religious practitioners' prayer, invites students to examine their assumptions about the nature of prayer, and traces how religion spilled out of sanctuaries into the streets during the civil rights era.
- **UG 418 (HIST 470) Women and Slavery 3 cr.** Same as WGS 418. Offered autumn odd-numbered years. Prereq., upper-division standing. Study of the connection between women's status and slavery in antebellum America, looking at slave women, slaveholding women, and antislavery women.
- **UG 419 (HIST 471) Southern Women in Black and White 3 cr.** Same as WGS 419. Offered spring, even-numbered years. Examination of the connections between race, class, and gender in the South. Conflict and cooperation among black and white women in politics, reform, and work.
- **UG 452X (HIST 465H) History of Indian Affairs TO 1865 3 cr.** Offered autumn. Same as NAS 465X. A study of tribal encounters and adjustments to the American nations in the nineteenth century.
- **UG 453X (HIST 466H) History of Indian Affairs from 1865 3 cr.** Offered spring. Same as NAS 466X. A study of tribal encounters and adjustments to the American nation from 1890.
- **UG 455 (HIST 467) Indian, Bison and Horse 3 cr.** Offered autumn odd-numbered years. Historical interaction between Native American societies, horses and bison in North America. A writing intensive course.
- **UG 462 (HIST 401) Regionalism and the Rocky Mountain West 3 cr.** Offered spring odd-numbered years. Same as GEOG 401. Investigation of regionalism as a concept and its future in the Rocky Mountain West. Regionalism as a geographical, economic, political and cultural entity. An intensive writing class.
- **UG 465X History of Indian Affairs to 1776 3 cr.** Offered autumn. Same as NAS 465X. A study of tribal encounters and adjustments to the American nations in the nineteenth century.
- **G 550 Early America 3 cr.** Intensive reading.
- **G 551 The Early American Republic: Constitution to Civil War 3 cr.** Intensive reading.
- **G 552 Industrial America, 1863-1932 3 cr.** Intensive reading.

- **G 553 Modern America 3 cr.** Intensive reading.
- **G 560 The American State 3 cr.** Intensive reading in the history of American government.
- **G 564 U.S. Environmental History 3 cr.** Intensive reading.
- **G 566 The American West 3 cr.** Intensive reading.
- **G 567 Native Americans 3 cr.** Intensive reading.
- **G 570 U.S. Women's History 3 cr.** Intensive readings in U.S. women's history.
- **G 594 Seminar Variable cr.** (R-12) Prereq., 27 credits in history. Directed research.
- **G 595 Special Topics Variable cr.** (R-9) Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.
- **G 596 Independent Study Variable cr.** (R-12)
- **G 597 Research in History Variable cr.** (R-9)
- **G 598 Internship Variable cr.** (R-8) Prereq., consent of department and Internship Services office. Practical application of classroom learning in off-campus placements.
- **G 599 Professional Paper Variable cr.** (R-6)
- **G 699 Thesis/Dissertation Variable cr.** (R-6)

World History (HSTR)

- **U 101H (HIST 104H) Western Civilization I 4 cr.** Offered autumn. A comprehensive, introductory history of western civilization from classical antiquity to 1715. Lecture-discussion. Credit not allowed for both 101H and 103H.
- **U 102H (HIST 105H) Western Civilization II 4 cr.** Offered spring. A comprehensive, introductory history of western civilization from 1715 to the present. Lecture-discussion. Credit not allowed for both 102H and 104H.
- **U 103H (HIST 107H) Honors Western Civilization I 4 cr.** Offered autumn. Limited enrollment by consent of instr. only. A comprehensive, introductory history of western civilization from classical antiquity to 1715. Lecture-honors discussion. Credit not allowed for both 103H and 101H.
- **U 104H (HIST 108H) Honors Western Civilization II 4 cr.** Offered spring. Limited enrollment by consent of instr. only. A comprehensive introductory history of western civilization from 1715 to the present. Lecture-honors discussion. Credit not allowed for both 104H and 102H.
- **U 146H (HIST 106) The Silk Road 3 cr.** Offered autumn and spring. Same as AS and ANTH 106H. Introduction to the study of the human communities, cultures, and economies in Central and Southwest Asia along the ancient four thousand mile-long Silk Road.
- **U 191 (HIST 195) Special Topics Variable cr.** (R-6) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.
- **U 198 Internship Variable cr.** Offered intermittently. Prereq., consent of department. Extended classroom experience which provides practical application of classroom learning during placements off campus. Prior approval must be obtained from the faculty supervisor and the Internship Services office. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation.
- **U 208 Discovering Africa 3 cr.** Offered intermittently. Same as AAS 208. Interdisciplinary study of the history of pre-colonial Africa, focusing on social, economic, political and cultural institutions and traditions including the wealth, diversity and complexity of ancient and classical African civilizations and cultures.
- **U 230H (HIST 286H) Colonial Latin America 3 cr.** Offered autumn. Latin America from the conquest to wars for independence. Focus on social relations, imperial and local politics, hegemony, resistance, and change.
- **U 231H (HIST 287H) Modern Latin America 3 cr.** Offered spring. Latin American history from wars of independence to the present. Focus on social relations, development models, politics, and popular movements.
- **U 240 (HIST 201H) East Asian Civilizations 3 cr.** Offered autumn. Same as AS 201. An interdisciplinary, pluralist, and exploratory introduction to civilizations of East Asia. Primary focus on China, Japan, and Korea, the relations among them and their patterns of interaction with the outside world in pre-modern and modern periods.
- **U 241 (HIST 214S) Central Asia: Peoples and Environments 3 cr.** Offered autumn. Same as AS, ANTH, LS 214S. Introduction to Central Asia's history, culture and ways of thinking. Focus on the political and social organization of Central Asia and cultural changes as expressed in art and interactions with China, India and the Middle East.
- **U 242 (HIST 240H) History and Philosophy of Science 3 cr.** Offered intermittently. Same as PHIL 240. The epistemological and metaphysical developments of natural philosophy or science. The origins of science in ancient Greece and its subsequent development during the scientific revolution. Developments in biology, especially Darwinism and genetics, as well as developments in physics.
- **U 250 (HIST 249) The Irish and Irish-Americans 3 cr.** Offered autumn odd-numbered years. Ireland, the Irish people, and the Irish Diaspora, from first settlement to contemporary troubles.
- **U 262 (HIST 283H) Islamic Civilization: The Classical Age 3 cr.** Offered autumn. Same as ANTH 283. A concise history of the Islamic world from the 6th century to the fall of the Abbasid Empire in the 13th century, focusing primarily on the teachings of Islam and the causes for the rapid expansion of the Islamic empire.
- **U 264 (HIST 284H) Islamic Civilization: The Modern Era 3 cr.** Offered spring. Same as ANTH 284. History of the Islamic world and particularly the Persian, Arabic, and Turkish speaking lands between 1453 and 1952.
- **U 272E (HIST 226E) Terrorism: Political Violence in the Modern World 3 cr.** Offered autumn. Prereq., lower-division course in Perspective 5 or consent of instr. The rise and spread of terrorism in the modern world, from the French Revolution to the present.
- **U 291 (HIST 295) Special Topics Variable cr.** (R-12) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.
- **Although the department has no official prerequisites for 300-level courses, they generally rest on a modicum of survey knowledge or ability.**
- **UG 300 The Historians' Craft 3 cr.** Offered autumn and spring. The location and use of historical sources; footnotes, bibliography, and style; previous historical interpretations; an explicit writing component.

- **UG 301 Classical Greece 3 cr.** Offered intermittently. Same as MCLG 301. Greek history from the earliest times through the Macedonian ascendancy, based on the writings of the Greek historians.
- **UG 302 Classical Greece II: Individual, Family, and Civic Life in Ancient Greece 3 cr.** Offered intermittently. Same as MCLG 302. Various aspects of personal, social, and political life of classical times in Greece. Primary readings in various ancient authors supplemented by some audio-visual or other informational presentations.
- **UG 304 (HIST 303H) Classical Rome 3 cr.** Offered intermittently. Same as MCLG 303. Roman history from the time of the Kings through the early Empire. Based on the writings of the Roman historians.
- **UG 306 The Medieval World: The Barbarian West, 400-1200 3 cr.** Offered autumn. The collapse of Roman authority, the establishment of the Germanic kingdoms, Christianity and the Roman church.
- **UG 307 The Medieval World: The High Middle Ages, 1150-1450 3 cr.** Offered spring. The Christian world in the West to the decline of the papacy, a hundred years of war, the Black Death.
- **UG 312 The Age of Absolutism, 1648-1789 3 cr.** Offered intermittently. The political, economic, intellectual, and social development of Europe 1648-1789.
- **UG 315 (HIST 310H) The Reformation 3 cr.** Offered intermittently. The Reformation and its impact on European society, politics, economic theory and religious thought from 1500 to 1600; the Counter-Reformation.
- **UG 317 (HIST 311H) Europe in Renaissance and Reform, 1348-1648 3 cr.** Offered intermittently. The political, economic, intellectual and social development of Europe from 1348 to 1648.
- **UG 320 (HIST 338H) European Social and Intellectual History: 1450-1789 3 cr.** Offered autumn. The influence of the Renaissance, Baroque and Classical Ages, and the Enlightenment on early modern history.
- **UG 323 (HIST 339H) European Social and Intellectual History: The 19th Century 3 cr.** Offered autumn. Romanticism, Realism, and the Avant-Garde against the historical background of the Industrial Revolution and urbanization.
- **UG 325 (HIST 340H) European Social and Intellectual History: The 20th Century 3 cr.** Offered spring. The triumph of the Avant-Garde and the decline of traditional culture: 1914-1945.
- **UG 326 (HIST 319H) Contemporary Europe 3 cr.** Offered autumn odd-numbered years. European politics, culture, and society since 1945.
- **U 334 (HIST 385) Latin America: Reform and Revolution 3cr.** Offered spring. Different ideologies and projects in Latin America aimed at gradual or radical transformation of political systems and/or socio-economic relations. Case studies range from the Haitian Revolution to the Bolivarian vision of Hugo Chavez.
- **UG 343 (HIST 381H) Modern Japan 3 cr.** Offered spring. Japanese culture, politics, and economics since 1800: the Tokugawa period, the Meiji Restoration, militarization and the Great Pacific War, the American occupation, Japan as a model of modernization.
- **UG 345 (HIST 380H) Modern China 3 cr.** Offered autumn. China since 180, emphasizing internal weaknesses of the Manchu dynasty, confrontation with the west, and the emergence of Nationalist and Communist regimes.
- **U 346 Central Asia and Its Neighbors 3 cr.** Offered spring. Same as AS 345 and ANTH 346. Analysis of the human communities and cultures of Central and Southwest Asia, with particular emphasis on the importance of relationships with neighboring countries and civilizations since ancient times.
- **UG 348 (HIST 341) Britain from Reformation to Revolution, 1485-1688 3 cr.** Offered autumn. Social, political, religious, and intellectual history of the British peoples during the tumultuous period of reformation, exploration, constitutional crisis, and civil war.
- **UG 349 (HIST 342) Britain from Revolution to Reform, 1688-1832 3 cr.** Offered spring. The social, political, cultural, and intellectual consequences of British expansion, financial and industrial revolutions, and revolutionary movements.
- **UG 350 (HIST 343) Modern Britain 3 cr.** Offered autumn odd-numbered years. Social, political, intellectual and cultural history of the United Kingdom from an age of industry, empire, and political reform to one of economic decline and international retreat.
- **UG 352 (HIST 314) France in Revolution, 1789-1848 3 cr.** Offered autumn. Political, economic, and social upheaval and development.
- **UG 353 (HIST 315) Modern France, 1848-Present 3 cr.** Offered intermittently. The political, economic and social development.
- **UG 354 (HIST 324) Italy: 1300-1800 3 cr.** Offered autumn odd-numbered years. The emergence of the Italian states with an emphasis on cultural achievements in the late Medieval, Renaissance, Baroque, and Neoclassical periods.
- **UG 355 (HIST 325) Italy: 1800-Present 3 cr.** Offered spring even-numbered years. The emergence of a united Italy, the triumph of fascism and contemporary Italian society.
- **UG 357 (HIST 344) Russia to 1881 3 cr.** Offered autumn. Emphasis on the autocratic political tradition, Westernization, and territorial expansion.
- **UG 358 (HIST 345) Russia Since 1881: War, Revolution and Reform 3 cr.** Offered spring. Emphasis on modernization and the revolutionary movement; the Bolshevik Revolution and Stalinist era; the decline of Soviet system.
- **UG 361 (HIST 321) Germany: Augsburg to Bismarck, 1555-1866 3 cr.** Offered intermittently. Political, economic and social development of the states of the Holy Roman Empire from 1555-1866.
- **UG 363 (HIST 348) Eastern Europe 3 cr.** Offered spring. Main currents in the history of Eastern Europe from earliest times to the present. Focus on the lands of Poland, Bohemia, Hungary, and the Balkan region.
- **UG 364 (HIST 364) Environmental History 3cr.** Offered spring odd-numbered years. Prereq., lower-division course in Perspective 5 or consent of instr. A history of the human-nature interaction in the United States.
- **UG 367 (HIST 365) 19th Century American West 3 cr.** Offered autumn. Euro-American movement and conflict in the nineteenth century trans-Mississippi west.
- **UG 368 (HIST 387) Iran Between Two Revolutions 3 cr.** Offered spring. Same as ANTH 387. The socioeconomic, political, and cultural causes which resulted in the transformation of the Iranian society from a traditional Islamic entity to a modern secular state and the factors which led to the downfall of the secular state and the establishment of an Islamic republic.
- **UG 369 (HIST 366) 20th Century American West 3 cr.** Offered spring. The contemporary trans-Mississippi West.
- **UG 374H/E (HIST 334E) War, Peace, and Society 3 cr.** Offered intermittently. A thematic and interdisciplinary approach to warfare and peace, sociopolitical structures and military organization, power among states, technological change, the role of the individual in organized violence, and moral views of war and peace.
- **UG 377H (HIST 330H) European International Relations: Origins of the State System to 1870 3 cr.** Offered intermittently. The nature, evolution, and functions of the European diplomatic system from the Ancient World to 1870.

- **UG 378 (HIST 332H) The Global Diplomacy of the Cold War 3 cr.** Offered intermittently. Deals with the emergence of the Cold War, confrontations like the Cuban Missile Crisis, wars like those in Korea and Vietnam, strategies of deterrence, the rise of Gorbachev, the collapse of the Iron Curtain and the Cold War itself, and the long term implications of the Cold War on contemporary international relations.
- **UG 380H (HIST 331H) Foreign Relations of the Great Powers, 1870-Present 3 cr.** Offered intermittently. Begins with a discussion of the classical system of diplomacy and then moves into the causes and results of the First World War, the rise of Hitler and the Second World War, America's emergence as a superpower, the Cold War, the influence of Asia, the implications of the 9/11 attack and terrorism, and the continuing search for peace and stability in a world of conflict.
- **UG 382 (HIST 350) Historical Backgrounds to Current Crises 3 cr.** (R-6) Offered intermittently. Social, intellectual, political, and constitutional backgrounds of unresolved crises in Europe, Asia, Middle East, and America.
- **UG 384E (HIST 335E) Human Rights 3 cr.** Offered intermittently. A treatment of the powerful global influence of visions of human rights upon the historical and contemporary world in which movements such as abolitionism, women's rights, humanitarian law, racial equality, decolonization and democratization, and the impact of the Universal Declaration of Human Rights.
- **UG 386 Nationalism in Modern Middle East 3 cr.** Offered autumn. Same as ANTH 386. The several intellectual traditions and philosophies some ephemeral and visionary, most eclectic and confused, and virtually all conflicting that are usually believed to underlie the varying concept of Iranian and Arab nationalism in the 20th century.
- **U 388 Africa to 1880 3 cr.** Offered intermittently. Same as AAS 388. History of Africa from the earliest of times. Evolution of African societies and states, social, economic, political, and cultural developments; the dynamics, nature and consequences of Africa's interaction with Europe up to 1880.
- **U 389 Africa Since 1880 3 cr.** Offered intermittently. Same as AAS 389. Historical development in Africa since the imposition of colonial rule. Analysis of colonialism and emergence of nationalism.
- **U 391 (HIST 395) Special Topics Variable cr.** (R-12) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.
- **U 393 Omnibus Variable cr.** (R-9) Offered intermittently. University omnibus option for independent work. See index.
- **UG 394 Seminar Variable cr.** (R-6) Offered intermittently.
- **U 396 Independent Study Variable cr.** (R-12) Offered intermittently.
- **U 398 Internship Variable cr.** Offered intermittently. Prereq., consent of department. Extended classroom experience which provides practical application of classroom learning during placements off campus. Prior approval must be obtained from the faculty supervisor and the Internship Services office. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation.
- **Although the department has no official prerequisites for 400-level courses, they may require appropriate prior study. Interested students should inquire of the History Department before registering.**
- **UG 401 (HIST 400) Historiography: History and Historians 3 cr.** Offered intermittently. The history and philosophy of history.
- **UG 409 History of Southern Africa 3 cr.** Offered intermittently. Same as AAS 409. Historical survey of developments in southern Africa from the earliest of times to the present. Focus on the evolution and growth of societies and states; economic, social and political developments; external interventions and impacts on race relations.
- **UG 410 Personalities in History 3 cr.** (R-6) Offered intermittently. Influential individuals in European, American, and Asian history.
- **UG 435 (HIST 485) Latin America: Memories of Politics and Politics of Memory 3cr.** Offered spring alternate years. Individual and collective memories of social and political conflict, activism, and repression in Latin America. Battles over memory (and its relation to truth) in forums ranging from academic panels to human rights tribunals. Relations between memory, politics and history in select case studies.
- **UG 436 (HIST 486) Latin America: Workers and Labor History 3 cr.** offered spring alternate years. Structures, experiences, and agency of working people in Latin America, with emphasis on the modern period. Influence or race, ethnicity, gender, religion, and generation on working class identity and movements. Labor organizations and politics in historic context.
- **UG 441 (HIST 462) Central Asia Seminar 3 cr.** Offered spring. Same as AS and 460. Advanced analysis of the historical and contemporary issues involving the human communities, cultures, and economies in Central and Southwest Asia.
- **UG 442 (HIST 402) Cities and Landscapes of Central Asia 3 cr.** Offered autumn. Same as AS 402 and ANTH 462. Analysis of the main centers of civilization and culture, rich sites and monuments of Central Asia and Southwest Asia since ancient times.
- **U 448 Tradition & Reform in China 3cr.**
- **U 449 Revolution & Reform in China 3cr.**
- **UG 455 An Introduction to Public History 3 cr.** Offered spring. Review of selected areas in which public historians work. Examination of how the public historian's role may differ from the academic historian. Focus on specific approaches, issues, and problems in a variety of areas of public history.
- **UG 457 (HIST 445) The World of Anna Karenina 3 cr.** Offered fall. Tolstoy's classic novel as a point of entry into a multifaceted exploration of imperial Russian culture and society. Topics include family life, social relations, modernization, politics, religion and spirituality, gender and sexuality.
- **UG 458 (HIST 446) The Russian Revolution, 1900-1930 3 cr.** Offered spring. The causes, course, character, and consequences of the Bolshevik Revolution.
- **UG 459 (HIST 457) Artistic Traditions of Central and Southwest Asia 3 cr.** Offered autumn and spring. Same as AS 457 and ANTH 461. Analysis of the study of human artistic creativity and scientific innovations of various cultures in Central and Southwest Asia since ancient times.
- **UG 470 (HIST 437) Dynamics of Diplomacy 3 cr.** Offered intermittently. An interdisciplinary, global, and thematic approach to major issues in foreign affairs brought about by world wars, diplomatic expansion, the collapse of cultural homogeneity, technological developments, and the rise of public opinion.
- **UG 472E (HIST 460E) Problems of Peace and National Security 3 cr.** Offered intermittently. Prereq., lower-division course in Perspective 5 or consent of instr. Contemporary and historical problems of civilian policy and military strategy, power and technology, intelligence operations in democratic societies, human rights and security issues, conscription, and ethics in statecraft.
- **UG 481 Tradition and Reform in China 3 cr.** Taught annually. Prereq., junior standing or consent of instructor. A history of key

- reform movements from the mid-19th century (when China was rocked by rebellion and the entry of the West) to the Maoist period.
- **UG 482 Revolution and Reform in China 3 cr.** Offered fall. A history of the rise and fall of the Maoist regime and the complicated impact of the epochal post Mao reform movement.
 - **U 493 Omnibus Variable cr.** (R-9) Offered intermittently. University omnibus option for independent work. See index.
 - **UG 494 Seminar Variable cr.** (R-6) Offered intermittently. Prereq., consent of instr.
 - **UG 495 Special Topics Variable cr.** (R-12) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.
 - **UG 496 Independent Study Variable cr.** (R-12) Offered intermittently. Prereq., consent of instr.
 - **G 500 Teaching Discussion Sections in History 1 cr.** (R-4) Supervised teaching and reading keyed to survey courses in American history and western civilization.
 - **G 511 Early Modern Europe 3 cr.** Offered alternate years. Intensive reading in 16th, 17th, and 18th century European history.
 - **G 512 Age of Absolutism and Revolution, 1648-1789 3 cr.** Offered autumn even numbered years. Intensive reading in 17th and 18th century European history.
 - **G 514 Modern France 3 cr.** Offered alternate years. Intensive reading, from the French Revolution to the present.
 - **G 516 Modern Europe 3 cr.** Offered alternate years. Intensive reading in 19th and 20th century European history.
 - **G 531 International Relations 3 cr.** Offered alternate years. Intensive reading in the history of international relations and diplomacy during the late 19th and 20th centuries.
 - **G 540 European Cultural and Intellectual History 3 cr.** Intensive reading.
 - **G 541 Early Modern Britain 3 cr.** Offered intermittently. Intensive reading in British history from 1500 to 1800.
 - **G 544 Modern Russia 3 cr.** Offered alternate years. Intensive reading in 19th and 20th century Russia.
 - **G 585 Latin America 3 cr.** Offered alternate years. Intensive reading.
 - **G 586 Modern Islamic Politics 3 cr.** Offered alternate years. Intensive reading.
 - **G 594 Seminar Variable cr.** (R-12) Prereq., 27 credits in history. Directed research.
 - **G 595 Special Topics Variable cr.** (R-9) Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.
 - **G 596 Independent Study Variable cr.** (R-12)
 - **G 597 Research in History Variable cr.** (R-9)
 - **G 598 Internship Variable cr.** (R-8) Prereq., consent of department and Internship Services office. Practical application of classroom learning in off-campus placements.
 - **G 599 Professional Paper Variable cr.** (R-6)
 - **G 699 Thesis/Dissertation Variable cr.** (R-6)

Faculty

Professors

- George M. Dennison, Ph.D., University of Washington, 1968 (President)
- Richard R. Drake, Ph.D., University of California, Los Angeles, 1976 (Chair)
- John A. Eglin, Ph.D., Yale University, 1996
- William E. Farr, Ph.D., University of Washington, 1971
- Dan Flores, Ph.D., Texas A & M University, 1978 (A.B. Hammond Professor of Western History)
- Linda S. Frey, Ph.D., Ohio State University, 1971
- Anya Jabour, Ph.D., Rice University, 1995
- Paul Gordon Lauren, Ph.D., Stanford University, 1973 (Regents Professor)
- Michael S. Mayer, Ph.D., Princeton University, 1984

Associate Professor

- Jeff Wiltse, Ph.D., Brandeis University, 2002

Assistant Professors

- Robert H. Greene, Ph.D., University of Michigan, 2004
- Jody Pavilack, Ph.D., Duke University, 2003
- Tobin Miller Shearer, Ph.D., Northwestern University, 2008
- Kyle G. Volk, Ph.D., University of Chicago, 2008

Emeritus Professor

- David M. Emmons, Ph.D., University of Colorado, 1969
- Harry W. Fritz, Ph.D., Washington University at St. Louis, 1971
- Kenneth A. Lockridge, Ph.D., Princeton University, 1965
- Frederick W. Skinner, Ph.D., Princeton University, 1973

Human and Family Development

- [Requirements for a Minor](#)

- [Courses](#)

Paul Silverman (Professor of Psychology), Chair, Human and Family Development

Minor

The Human and Family Development minor is an interdisciplinary minor concerned with the study of life-span human development and family relations, and the impact of biological, environmental and socio-cultural factors on both. The HFD minor encompasses a broad range of areas: Early Intervention, Gerontology, Early Childhood, Normal Development, Family Development, and Exceptional Development. The minor is designed to supplement the knowledge base of students by providing a human and family development specialty orientation to their fields of major interest. Students with career goals that include communications, psychology, education, social work, sociology, anthropology, pre-medical sciences, nursing, and physical therapy will benefit from the specialty orientation in human and family development. Students with other career goals also will find the program rewarding; a business major interested in family service administration or consumer economics; a radio-television major interested in children's programming; a forestry major interested in recreational management appropriate for a particular population.

Human and family development encompasses a broad range of topics, all of which share the view that human growth is a valid subject of scientific study. Knowledge of the processes and contents of psychological, social and biological growth of the individual separately and within the family context will benefit the quality of life of both the student/investigator and the public. The purpose of this program is to equip students with a general knowledge of issues relevant to normal and atypical patterns of human and family development and to provide them with some practical skills and insights which will enhance their abilities in a variety of professions which deal with developmental and family issues. The minor has general, early intervention, and gerontology tracks.

The interdisciplinary curriculum reflects four specific goals: (1) to provide students with an extensive knowledge base of theory and research concerning lifespan development and the role of the family in development; (2) to train students to be critical consumers of research and evaluation results in the human and family development areas; (3) to provide students with practical experience in at least one applied service discipline in the human development areas; and (4) to provide students with the opportunity to take topical courses in normal and atypical development of the individual and family.

All students seeking a minor must formally enroll in the minor and select a faculty advisor from the Human and Family Development Committee.

Requirements for a Minor

To earn a minor the student must complete 24 credits, with 11 at the 300 level or above. All students are required to take a 12-credit core curriculum and, with the help of a faculty advisor, to develop a written statement of goals and interests along with a planned curriculum that includes 12 additional credits of electives consistent with the stated goals and interests. At least 6 credits of electives must be outside of the student's major.

Core Curriculum:

- PSYX 230S or 233 (PSYC 240S or 245) (3 cr.)
- HFD 494 Seminar in Human Development (at least 1 cr.)
- HFD 498 Internship (Variable cr.; 2 required)

One of the following:

- HFD 412 Family Development (3 cr.)
- COMM 411 Family Communication (3 cr.)
- SOCI 332 (SOC 300) Sociology of The Family (3 cr.)

Plus one of the following research courses:

- PSYX 120 or 320 (PSYC 120 or 320) Research Methods (3 cr.)
- SOCI 318 (SOC 201) Social Science Methods (4 cr.)
- COMM 460 Communication Research Methods (3 cr.)
- SW 400 Social Work Research (3 cr.)
- C&I 520 Educational Research (3 cr.)

Electives:

The following list of electives is categorized to assist the student wishing to focus on one of these areas. Students may plan curricula which do not correspond to these categories, but should choose among courses from this list. Occasionally "special topics" courses are offered. Students may use these as electives with the consent of their advisors.

Early Intervention

- HFD 411 Infant and Toddler Development and Variability
- HFD 412 Family Development/Families of Young Children with Disabilities
- HFD 413 Assessment and Program Planning
- HFD 414 Community Service Delivery

- HFD 415 Implementation and Program Evaluation
- HFD 416 Data-Based Decision Making
- HFD 498 Internship

Early Childhood

- C&I 330 Early Childhood Education/Curriculum
- C&I 355 Child in the Family
- C&I 357 Introduction to Special Education Law and Policy
- C&I 367 Preschool Practicum
- C&I 410 Exceptionality and Classroom Management
- C&I 420 Curriculum in Early Childhood Special Education
- C&I 421 Issues in Early Childhood Special Education
- C&I 494 Practicum in Special Education Preschool
- C&I 495 Special Topics in Special Education
- HFD 498 Internship (must complete all course work prior to taking course)
- HFD 413 Assessment & Program Planning
- PHAR 110N Use and Abuse of Drugs
- PSYX 297 (PSYC 397) Research Experience
- PSYX 378 (PSYC 335) Fundamentals of Clinical Psychology

School-Age

- C&I 303 Educational Psychology/Measurements
- C&I 357 Introduction to Exceptionality
- C&I 410 Exceptionality/Classroom Management
- PHAR 110N Use and Abuse of Drugs
- PSYX 378 (PSYC 335) Fundamentals of Clinical Psychology
- PSYX 345 (PSYC 336S) Child and Adolescent Psychological Disorders
- PSYX 376 (PSYC 337) Principles of Cognitive Behavior Modification
- PSYX 339 (PSYC 340) Current Topics in Developmental Psychology
- SOCI 332 (SOC 300) Sociology of the Family
- SOCI 330 (SOC 330) Juvenile Delinquency
- SW 300 Human Behavior and Social Environment
- SW 420S Child Abuse and Neglect

Adolescence

- C&I 303 Educational Psychology/Measurements
- C&I 357 Introduction to Exceptionality
- C&I 410 Exceptionality/Classroom Management
- PHAR 110N Use and Abuse of Drugs
- PSYX 378 (PSYC 335) Fundamentals of Clinical Psychology
- PSYX 345 (PSYC 336) Child and Adolescent Psychology
- PSYX 376 (PSYC 337) Principles of Cognitive Behavior Modification
- PSYX 339 (PSYC 340) Current Topics in Developmental Psychology
- SOCI 332 (SOC 330) Sociology of the Family
- SOCI 330 (SOC 330) Juvenile Delinquency
- SW 300 Human Behavior and Social Environment
- SW 450 Children and Youth at Risk

Gerontology

- HS 325 Clinical Issues in Geriatrics
- HS 327 Montana Gerontology Society Annual Conference
- HS 495 Special Topics: Health Aspects of Aging
- PSYX 233 (PSYC 245) Adult Development and Aging
- SOCI 491 (SOC 495) Sociology of Aging
- SW 455S Social Gerontology

Family Development

- COMM 410 Communication in Personal Relationships
- COMM 411 Family Communication
- C&I 355 Child in the Family
- C&I 452E Ethics and Consumer Economics
- PSYX 348 (PSYC 385) Family Violence
- SOCI 332 (SOC 300) Sociology of the Family
- SW 422 Services to Changing Families

- SW 432/PSYX 441 (PSYC423)/SOC 433 (SOC 432) Addiction Studies
- SW 450 Domestic Violence

Human and Family Development Committee

- Dan Doyle, Ph.D., University of Washington, 1984 (Professor, Sociology)
- Christine Fiore, Ph.D., University of Rhode Island, 1990 (Professor, Psychology)
- Ann Garfinkle, Ph.D., University of Washington, 1995 (Associate Professor, Education)
- Shannon Guilfoyle, M.Ed., The University of Montana, 2002 (COTEACH Preschool Coordinator, Education)
- Susan Harper-Whalen, Ed.M., Harvard University, 1984 (Research Faculty, Education)
- Lynne S. Koester, Ph.D., University of Wisconsin, Madison, 1976 (Professor, Psychology)
- Ted Maloney, M.A. (Adjunct Assistant Professor, Rural Institute: Center for Excellence in Disability Education, Research and Service)
- Susie Morrison, Ed.S., The University of Montana, 1995 (Assistant Research Professor, Psychology)
- Lucy Hart Paulson, M.S., University of Illinois, 1980 (Research Assistant Professor, Education)
- Audrey Peterson, M.S., Pennsylvania State University, 1970 (Professor, Education)
- Alan Sillars, Ph.D., University of Wisconsin, 1980 (Professor, Communication Studies)
- Paul Silverman, Ph.D., University of Georgia, 1977 (Professor, Psychology)
- John Spores, Ph.D., University of Michigan, 1976 (Professor, Social Work)
- Meg Traci, Ph.D., The University of Montana, 2000 (Project Director, Rural Institute: Center for Excellence in Disability Education, Research and Service)
- Richard van den Pol, Ph.D., Western Michigan University, 1981 (Professor, Education)
- Kimberly A. Wallace, Ph.D., University of Notre Dame, 1999 (Associate Professor, Psychology)
- Celia Winkler, Ph.D., University of Oregon, 1996 (Professor, Sociology)

Courses

U = for undergraduate credit only, UG = for undergraduate or graduate credit, G = for graduate credit. R after the credit 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

Human and Family Development (HFD)

- **U 298 Internship Variable cr.** (R-4) Prereq., consent of chair. Extended classroom experience which provides practical application of classroom learning during placements off campus. Prior approval must be obtained from the faculty supervisor and the Internship Services office. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation.
- **U 398 Internship Variable cr.** (R-4) Prereq., consent of chair. Extended classroom experience which provides practical application of classroom learning during placements off campus. Prior approval must be obtained from the faculty supervisor and the Internship Services office. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation.
- **UG 411 Infant and Toddler Development and Variability 3 cr.** Offered autumn even-numbered years. Foundation of knowledge and practical experiences in infant and toddler development and its variability. Development of the child within the family and social context.
- **UG 412 Family Development 3 cr.** Offered autumn even-numbered years. Foundation of knowledge and practical experiences in family development from an ecological, family systems perspective. Focus on families who have children with disabilities.
- **UG 413 Assessment and Program Planning 4 cr.** Offered spring odd-numbered years. Prereq., consent of instr. Foundation of knowledge and practical experiences in child assessments and family information gathering. Primary focus on birth through two years of age.
- **UG 414 Community Service Delivery I 2 cr.** Offered spring odd-numbered years. Foundation of knowledge and practical experiences in early intervention service models and their theoretical orientation, roles of other agencies and professional disciplines, teaming models and techniques, support coordination models and techniques, community collaboration, and current early intervention trends and models.
- **UG 415 Program Development, Implementation, Evaluation and Modification 4 cr.** Offered autumn odd-numbered years. Prereq., consent of instr. Foundation of knowledge and practical experiences in program planning, implementation and evaluation. Focus on birth through two years of age.
- **UG 416 Data-Based Decision Making 2 cr.** Offered autumn odd-numbered years. Prereq., consent of instr. Foundation of knowledge and applied experience in making intervention and programmatic decisions based on data. Primary topical areas covered are (1) foundations of applied behavioral analysis; (2) technical competencies in applied behavioral analysis; (3) facilitating acquisition of skills; and (4) skill generalization for individuals across the life-span.
- **UG 490 Practicum in Human Development Variable cr.** (R-6) Offered intermittently. Prereq., 12 credits in HFD. Supervised fieldwork in settings relevant to developmental topics, including school classrooms; child/family welfare agencies; various institutions and programs for children, juveniles, or the aged.
- **UG 494 Seminar in Human Development 1 cr.** (R-3) Offered autumn. Discussion of selected problems in human development. Emphasis on integrating theory and practice.
- **UG 495 Special Topics Variable cr.** (R-9) Offered intermittently. Experimental offerings of visiting professors, new courses, or one-time offerings of current topics.
- **UG 498 Internship Variable cr.** (R-4) Prereq., consent of chair. Extended classroom experience which provides practical application of classroom learning during placements off campus. Prior approval must be obtained from the faculty supervisor and the Internship Services office. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation.

International Development Studies

- [Requirements for a Minor](#)
- [Faculty](#)

Peter Koehn (Professor of Political Science), Advisor

International Development Studies is an interdisciplinary field of study focusing on the interconnected processes of social, political, economic, cultural, and environmental change taking place in poor countries and poorer regions of wealthy countries. Coursework in the minor emphasizes a global perspective on the process of change and development, critical analysis of the role of internal and external influences on the development process, and applications to local (including Montana) situations and challenges. The IDS minor takes advantage of existing faculty expertise and courses to offer an interdisciplinary experience for those students interested in either international or domestic development work. Students minoring in IDS will develop knowledge and skills appropriate for graduate study and for working in non-governmental organizations, international and bilateral government development organizations, the U.S. Peace Corps and other national/international equivalents, and /or community–development groups.

Requirements for a Minor

To earn a minor in International Development Studies the student must successfully complete a minimum of 21 credits (at least 7 upper-division). Of the 21 credits, 12 must be core courses and 9 must be content courses chosen from the following lists. Specialized independent study and internship credits can be counted for content credit when approved by the advisor.

Core Courses:

- ANTH 329 Social Change in Non–Western Societies
- COMM 251X International and Development Communication
- ECNS 317X (ECON 350) Economic Development
- ECNS 450 Advanced Economic Development
- EVST 487 Globalization, Justice and the Environment
- FOR 170 International Environmental Change
- FOR 475 Sociology of Environment and Development
- FOR 424 Community Forestry and Conservation
- GPHY 141S (103) Geography of World Regions
- PSCI 463 (PSC 463S) Development Administration
- RECM 451 Tourism and Sustainability
- SOCI 270 (SOC 270) Introduction to Rural and Environmental Change
- SOCI 371 (SOC 370S) Social Change and Global Development
- SW 323 Women and Social Action in the Americas
- SW 465 Social Work in a Global Context

Content Courses:

- ANTH 330 Peoples and Cultures of Africa
- ANTH 343 Culture and Population
- ANTH 385E Indigenous Peoples and Global Development
- BUS 160 Issues in Sustainability
- COMM 420 Communication and Nonprofit Organizations
- COMM 451 Intercultural Communication
- ECNS 101S (ECON 100S) Introduction to Political Economy
- EVST 410 Environmental Justice and Sustainable Development
- GPHY 121S (GEOG 101S) Introduction to Human Geography
- GPHY 243X (GEOG 207S) Africa
- GPHY 245X (GEOG 213S) The Middle East
- GPHY 433 (GEOG 333S) Culture and Environment
- GPHY 432 (GEOG 432)/EVST 432 Human Role in Environmental Change
- GPHY 410 High Asia
- HSTR 241 (GEOG 214S) Central Asian Culture and Civilization
- EVST 440 Environmental Economics
- HSTR 231X (HIST 287H) Latin America, 1800–1990s
- HSTR 355 History of Intercultural Human Rights
- PSCI 220S (PSC 120S) Introduction to Comparative Government
- PSCI 230 (PSC 130E) International Relations
- PSCI 325 (PSC 325) Politics of Latin America
- PSCI 326 (PSC 326H) Politics of Africa
- PSCI 327 (PSC 327) Politics of Mexico
- PSCI 343 (PSC 343) Politics of Social Movements
- PSCI 432 (PSC 430) Inter–American Relations

- PSCI 431 (PSC 431) Politics of Global Migration
- SOCI 212S (SOC 212S) Southeast Asian Culture and Civilization
- SOCI 443 (SOC 322) Sociology of Poverty
- SOCI 346 (SOC 346) Rural Sociology
- SOCI 355 Population Problems
- SW 324 Gender and the Politics of Welfare

With permission of a core faculty member, up to 6 credits of field experience in international development can be counted toward the content requirements.

Faculty

- Jill Belsky, Ph.D., Cornell University, 1991 (Professor, Society and Conservation)
- Jeff Bookwalter, Ph.D., University of Utah, 2000 (Assistant Professor, Economics)
- Keith Bosek, Ph.D., University of Georgia-Athens, 2006 (Assistant Professor, Society and Conservation)
- Janet Finn, Ph.D., University of Michigan, 1995 (Associate Professor, Social Work)
- Paul Haber, Ph.D., Columbia University, 1992 (Professor, Political Science)
- Sarah Halvorson, Ph.D., University of Colorado, Boulder, 2000 (Professor, Geography)
- Peter Koehn, Ph.D., University of Colorado, Boulder, 1973 (Professor, Political Science)
- Kimber Haddix McKay, Ph.D., University of California, Davis, 1998 (Associate Professor, Anthropology)
- Phyllis B. Ngai, Ed.D., The University of Montana, 2004 (Adjunct Assistant Professor, Communication Studies)
- Ranjan Shrestha, Ph.D., Ohio State University, 2006 (Assistant Professor, Economics)
- Steve Siebert, Ph.D., Cornell University, 1990 (Professor, Forest Management)
- Teresa Sobieszczyk, Ph.D., Cornell University, 2000 (Assistant Professor, Sociology)
- Daniel Spencer, Ph.D., Union Theological Seminary, 1994 (Assistant Professor, Environmental Studies)

Latin American Studies

- [Requirements for a Minor](#)
- [Faculty](#)

Maria Jose Bustos Fernandez (Professor of Modern and Classical Languages and Literatures) Director/Advisor

The Latin American Studies program at The University of Montana–Missoula provides students an opportunity to study and research the history, culture, lands, art, geography and institutions of Spanish and Portuguese speaking nations of American through an interdisciplinary perspective. The growing importance of the United States economic, political and cultural relations with the Latin American region makes knowledge of Latin America and its people an essential part of a liberal arts education.

The Latin American Studies program is administered by the Latin American Studies steering committee. The interdisciplinary faculty who teach and direct research in the program, drawn mainly from the College of Arts and Sciences, are internationally known for their research and experience abroad. The program encourages and promotes travel and exchange with institutions of higher education in Latin America. Several study abroad options in Latin America are available both for a short period of time or for longer stays (one semester or two semester programs). Inquire at the Departments of Modern and Classical Languages and Literatures, Political Sciences and Art for details on these programs as well as at the Office of International Programs.

The Latin American studies program offers a Minor in Latin American Studies in conjunction with a major in another discipline. Students admitted to the program must register with the academic advisor of the Latin American Studies program who will review their course of study and advise on planning their course sequence. Students are encouraged to plan this option early in their studies to be able to participate in a study abroad program, if possible. Students minoring in Latin American Studies will be prepared for graduate study or for employment in fields such as government, non-governmental organizations, business, industry, health and education.

Requirements for a Minor

To earn a minor in Latin American studies a student must:

1. Complete a minimum of 18 semester credits in approved Latin American studies courses (all courses listed below in addition to special offerings) in at least three different disciplines. One of these courses must be MCLG 100H, Introduction to Latin American Studies.
2. Complete SPNS 101 through 201 (SPAN 101 through 201), or equivalent.

Note: Participation in a study abroad program is highly recommended.

Latin American Studies Core Curriculum:

- MCLG 100H Introduction to Latin American Studies 3 cr.
- MCLG/LS 358 Latin American Civilization through Literature and Film 3 cr. or SPAN 359 Spanish American Civilization through

Literature and Film 3 cr.

- SPNS 331 (SPAN 312L) Introduction to Latin American Literature 3 cr.
- SPNS 432 (SPAN 450L) Latin American Literature 3 cr. (R–6)
- SPNS 494 (SPAN 494) Seminar Variable cr. (R–12) (when topic is related to Latin American literature such as Latin American drama, poetry, novel, short story, Argentinian literature, 19th Century Latin American Literature)
- HSTR 230H (HIST 286H) Colonial Latin America 3 cr.
- HSTR 231X (HIST 287H) Modern Latin America 3 cr.
- HSTR 334 (HIST 385) Latin America: Reform and Revolution 3 cr.
- HSTR 435 (HIST 485) Latin America: Memories of Politics and Politics of Memory 3 cr.
- HSTR 436 (HIST 486) Latin America: Workers and Labor History 3 cr.
- PSCI 325 (PSC 325) Politics of Latin America 3 cr.
- PSCI 327 (PSC 327) Politics of Mexico 3 cr.
- PSCI 432 (PSC 430) Inter–American Relations 3 cr.
- PSCI 463 (PSC 463S) Development Administration (when offered during summer session in Mexico)
- ART/NAS 367 Art of the Ancient Americas 3 cr.
- ART/NAS 368 Latin American Art 3 cr.
- ART 451 Seminar in Art History and Criticism 3 cr. (when topic refers to Latin America)
- SW 323 Women and Social Action in the Americas 3 cr.
- ANTH 354 Mesoamerican Prehistory 3 cr.
- EVST 410 Environmental Justice in Latin America (credits variable)

Faculty

Professors

- David Aronofsky, J.D., University of Texas, 1982 (Law)
- Maria José Bustos Fernandez, Ph.D., University of Colorado, Boulder, 1990 (Modern and Classical Languages and Literatures)
- Hipolito Rafael Chacón, Ph.D., University of Chicago, 1995 (Art)
- John E. Douglas, Ph.D., University of Arizona, 1990 (Anthropology)
- Janet Finn, Ph.D., University of Michigan, 1995 (Social Work)
- Paul Haber, Ph.D., Columbia University, 1992 (Political Science)
- Clary Loisel, Ph.D., University of Florida, 1996 (Modern and Classical Languages and Literatures)
- Stan Rose, Ph.D., University of Wisconsin, 1969 (Modern and Classical Languages and Literatures)

Associate Professors

- Eduardo Chirinos, Ph.D., Rutgers University, 1997 (Modern and Classical Languages and Literatures)
- Jannine Montauban, Ph.D., Rutgers University, 2000 (Modern and Classical Languages and Literatures)
- Daniel Spencer, Ph.D., Union Theological Seminary, 1994 (Environmental Studies)

Assistant Professors

- Jody Pavilack, Ph.D., Duke University, 2003 (History)

Liberal Studies Program

- [Special Degree Requirements](#)
- [Suggested Course of Study](#)
- [Courses](#)
- [Faculty](#)

Stewart Justman, Director

The Liberal Studies curriculum is designed for the student who seeks a liberal education with emphasis on the humanities. It is not intended for the student who is undecided about a major. While allowing ample room for electives, the coursework for the LS major focuses on the literary and religious works, cultural records, and ideas that enrich our common inheritance. The aim of the program is to foster critical understanding and appreciation of our inheritance and world through the study and discussion of these texts and traditions. Emphasis in all cases is on critical thinking, close reading of primary sources, analytical writing, and historical understanding. Students who graduate from the program will be prepared to enter various fields in the private and public sectors, pursue further professional training, and be better prepared to meet the demands of citizenship. More information about the program is available at the Liberal Studies Program office in LA 101, (406) 243–2171, or online at www.cas.umt.edu/liberal.

Majors in Liberal Studies may not take any course work presented for LS credit on a pass/not pass basis. Upper–level students transferring into this program should have at least a C average in all credits attempted.

Degree Requirements

Following are the requirements for the Bachelor of Arts degree with a major in Liberal Studies.

Major Requirements

Core Curriculum (courses numbered under 300)

- WRIT 101 (ENEX 101) Composition (coreq. or prereq. to LS 151L–152L 3
- Foreign language (2 years of one language)..... 18
- Liberal Studies 151L, 152L Introduction to Humanities... 8
- American Literature..... 3
- American History..... 3–4
- European literature (including British)..... 3
- European history (including British)..... 3–4
- Native American studies or African–American studies.... 3
(including cross-listed and cognate courses in anthropology, geography, and sociology)
- Asian studies..... 3
(including cross-listed courses in anthropology, geography, and sociology)
- Philosophy or political science..... 3
- Religious studies 3

Upper-Division Curriculum (courses numbered 300 and above)

The upper-division writing expectation must be met by successfully completing an upper-division writing course from the approved list in the Academic Policies and Procedures section of this catalog. See index.

The student elects upper-division courses in either the General, Asian Studies, Religious Studies or Women and Gender Studies options.

General Option

- History..... 3
- Art history or music history..... 3
- Philosophy 3
- Women's and Gender Studies or Native American Studies or African–American Studies..... 3
- Liberal Studies (from among LS 326, 327, 368, 428)..... 6
- Religious Studies (from among RELS 310,320,335,351,352)..... 6
- Senior Liberal Studies capstone seminar..... 3

Asian Studies Option (Professor Bradley Clough, advisor):

Students who choose the Asian Studies option must register with the Asian studies faculty advisor who will supervise their program. The following requirements must be met to complete the Asian studies option within the liberal studies major.

1. Completion of the Liberal Studies core curriculum. (See above.)
2. Six credits in introductory Asian Studies courses (100-level courses or study abroad in Asia).
3. Twelve credits in foundational Asian Studies courses (200-level courses), including Asian Studies 201H.
4. At least 30 credits in upper-level courses (300-level courses and above), of which at least six credits must be in the humanities and six in the social sciences.
5. Language Requirement: Two years (or equivalent proficiency) in an Asian language appropriate to the student's academic goals and approved by the academic advisor. Students who plan to pursue graduate work are strongly advised to complete three years, including at least one study abroad in Asia experience.

Religious Studies Option (Professor Paul Dietrich, advisor):

The academic study of religion is coextensive with the broad field of humane learning in which questions pertaining to the meaning of human existence are most prominent. The study of religions in the University is therefore taken up in close conjunction with the humanities, arts, letters and several sciences. Please refer to the Religious Studies section of the catalog for course requirements.

Women's Studies Option (Professor Elizabeth Hubble and Professor Bryan Cochran, Co-Directors):

Students who choose the Women's Studies option must register with the Women's Studies advisor, who will supervise their program. The following requirements must be met to complete the women's studies option within the liberal studies major.

1. Completion of liberal studies core curriculum.
2. Completion of LS 119H.
3. At least 21 credits of course work in relevant, advisor approved courses numbered above 299. At least 12 of these credits must be designated as "focus" courses, and 9 more may be "content" courses. Each semester a list of these courses is published at pre-registration by the Women's Studies office, LA 138A, (406) 243-2584.

Suggested Course of Study

The course of study for Liberal Studies majors varies greatly depending on student interest and course availability. The core curriculum typically takes more than two years to complete, while the upper-division requirements typically take less than two years. Following is one possible course of study for the first two years:

First Year	A	S
WRIT 101 (ENEX 101) Composition	3	–
LIT 220L (ENLT 222L) British Literature Medieval through Renaissance or LIT 221L (223L) British Literature Enlightenment to Romanticism	(3)	(3)
Foreign language 101 and 102 Elementary	5	5
HSTR 101H or 102H (HIST 104H or 105H) Western Civilization I or II	(4)	(4)
LS 151L 152L Introduction to Humanities	4	4
Lower-division Native American Studies course	–	3
	15–	15–
	16	16
Second Year	A	S
Foreign language 201 and 202 Intermediate	4	4
LIT 210L (ENLT 224L) American Literature I or LIT 211L (ENLT 225L) American Literature II	(3)	(3)
HSTA 101H (HIST 151H) American History I or HSTA 102H (HIST 152H) American History II	(4)	(4)
PHIL 200E Ethics or lower-division Political Science course	3	–
Lower-division course in Asian Studies	3	–
Lower-division course in Religious Studies	–	3
General Education	3	3
	16–	16–
	17	17

Courses

U = for undergraduate credit only, UG = for undergraduate or graduate credit, G = for graduate credit. R after the credit 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.

Liberal Studies (LS)

- **U105 H Introduction to Russian Culture**
- **U 119H Philosophical Perspectives on Women in the Western Hemisphere 3 cr.** Offered intermittently. Same as PHIL and WS 119H. Introduction to the discipline and scope of Western philosophy focusing on women as the subject rather than men. A chronological study following the ideological development in the West of social attitudes and scientific theses.
- **U 151L Introduction to the Humanities 4 cr.** Offered autumn. Prereq., eligibility for WRIT 101 (ENEX 101) based on writing placement examination. General survey of the field of Humanities in Western civilization with reference to non-Western analogs, contrasting the Greco-Roman with the Jewish and Christian traditions.
- **U 152L Introduction to the Humanities 4 cr.** Offered spring. Prereq., eligibility for WRIT 101 (ENEX 101) based on writing placement examination. General survey of the field of Humanities in Western civilization, with reference to non-Western analogs, since antiquity.
- **U 160L Classical Mythology 3 cr.** Offered every spring; offered intermittently in summer. Same as MCLG 160L. Deities and myths of the Greeks and Romans, with emphasis on those of most importance to Western literature and art.
- **U161H Introduction to Asian Humanities 3 cr.** Offered autumn. Coreq., LS 151L or consent of instr. Selective survey of classical South and East Asian perspectives on the humanities as introduced in LS 151L. Hinduism, Confucianism, Taoism and Buddhism are the primary traditions considered.
- **U 170 Myth Seminar: Honors 1 cr.** Offered every spring, offered intermittently in summer. Same as MCLG 170. Coreq., MCLG/LS 160L. Research, writing, and discussion about the mythologies of the Greeks and Romans in a small group setting.
- **U 180L Introduction to Film 3 cr.** Offered every term. Same as ENFM 180L. The history and development of the film medium. Emphasis on critical analysis of selected classic or significant films.
- **U 195 Special Topics Variable cr. (R–9)** Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.
- **U 210H Japanese Culture and Civilization 3 cr.** Offered intermittently. Same as AS, MCLG 210H and JPNS 150H. The historical, religious, artistic, literary and social developments in Japan from earliest times to the present.
- **U 211H Chinese Culture and Civilization 3 cr.** Offered intermittently. Same as AS and CHIN 211H. A comprehensive study of Chinese culture and civilization in the manifold aspects of anthropology, sociology, economics, history, literature, religion, and philosophy.
- **U 212S Southeast Asian Culture and Civilization 3 cr.** Offered intermittently. Same as AS and SOCI 212S (SOC 212H). Introduction to the history, geography, cultures, social organization, and contemporary events of Southeast Asia.
- **U 213X The Middle East 3 cr.** Offered autumn odd-numbered years. Same as AS and GPHY 245X (GEOG 213S). A survey of the biophysical and cultural geography of Southwest Asia and North Africa. Emphasis on environmental change, pre-history,

patterns of cultural and historical change, issues of socio-economic, religious, and political diversity, and the broader political significance of the region.

- **U 214 Central Asia: Peoples and Environments 3 cr.** Offered autumn. Same as AS 214, HSTR 241. Introduction to Central Asia's history, culture and ways of thinking. Focus on the political and social organization of Central Asia and cultural changes as expressed in art and interactions with China, India and the Middle East.
- **U 221Y Germanic Mythology and Culture 3 cr.** Offered intermittently. Same as MCLG 231Y. Offered alternate years. Germanic culture and mythology from 200 B.C. to 1200 A.D. Topics include the Germanic pantheon, Germanic religious practices, Germanic migrations and major literary masterpieces. Credit not allowed for LS 221Y, MCLG 231Y and GRMN 362Y (GERM 362H).
- **U 227L Film as Literature, Literature as Film 3 cr.** (R-6) Offered intermittently. Same as LIT 270L (ENTL 227L). Studies of the relationship between film and literature. Topics vary.
- **U 251L The Epic 3 cr.** (R-6) Offered odd-numbered years. Same as MCLG 251L. Reading, study, and discussion of epic poems. Selections will vary from Western and non-Western traditions.
- **U 252L Tragedy 3 cr.** (R-6) Offered even-numbered years. Same as MCLG 252L. Study of the literary, artistic and philosophical dimensions of tragedy. Selections will vary.
- **U 282L The German Cinema 3 cr.** Offered intermittently. Same as MCLG 222L. Development of the German film from its beginnings in 1895 through the contemporary New German Cinema. Topics include Expressionism, New Objectivity, the Nazi film, the German contribution to Hollywood, and the post-war film in East and West Germany. Credit not allowed for LS 282L, MCLG 222L and GRMN 322L (GERM 361L).
- **U 293 Omnibus Variable cr.** (R-6) Offered intermittently. Prereq., consent of instr. Independent work under the University omnibus option. See index.
- **U 294 Seminar Variable cr.** (R-6) Offered intermittently.
- **U 295 Special Topics Variable cr.** (R-9) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.
- **U 296 Independent Study Variable cr.** (R-9) Offered intermittently.
- **U 301 Earth's Mind: Ecology and Native Peoples 3 cr.** Offered intermittently. Non-western attitudes toward nature, based on the work of anthropologists, philosophers, novelists, poets, and on native oral traditions.
- **UG 305L Introduction to Russian Literature I 3 cr.** Offered autumn alternate years. Same as MCLG and RUSS 312L. A survey of Russian poetry and prose from their beginnings (medieval period) to mid-nineteenth century. Included are the works of Karamzin, Pushkin, and Lermontov.
- **UG 306L Introduction to Russian Literature II 3 cr.** Offered spring. Same as MCLG and RUSS 313L. A survey of Russian poetry and prose from the mid-nineteenth century through the Symbolist period of the early 20th century. Included are the works of Gogol, Turgenev, Dostoevsky, Tolstoy, and the Symbolists.
- **U 309 Reading the City: Rome 3 cr.** Offered autumn. Same as MCLG 309. Prereq., previous acceptance in subsequent intersession Italy program. Overview of the history of Rome from its beginnings until modern times, with lectures on various periods and artists across the spectrum of Italian art history. Orientation to the city of Rome, practicalities of life and study in the city.
- **U 311 Chinese Folktales 3 cr.** Offered intermittently. Same as MCLG 380. The study of the aspirations, desires, loves, fears, moral and aesthetic values of the Chinese people as expressed in their folk literature.
- **U 313L Classical Chinese Poetry in English Translation 3 cr.** Offered intermittently in spring. Same as AS, CHIN, and MCLG 313L. The works of major Chinese poets to 1300 A.D.
- **U 314L Traditional Chinese Literature in English Translation 3 cr.** Offered intermittently in spring. Same as AS, CHIN, and MCLG 314L. Highlights of Chinese literature to 1800; includes philosophy, poetry, prose, and fiction.
- **U 315 Major Hispanic Authors and Their Times 3 cr.** Offered autumn. Same as MCLG 315. The intensive study of the life, times, and works of a major Hispanic author.
- **U 320 Women in Antiquity 3 cr.** Offered intermittently. Same as MCLG and WS 320. Examination of varied sources from ancient Greece, the Hellenistic world, and republican and imperial Rome to clarify the place of women in various communities. Women's contribution to community and the mechanisms by which communities attempted to socialize female populations.
- **U 321H German Culture to 1900 3 cr.** Offered spring. Same as MCLG 330H. Overview of major events and currents in German culture to 1900 with an emphasis on the arts, literature, and intellectual movements. Credit not allowed for LS 321H and GRMN 351H (GERM 303).
- **U 322H German Culture Since 1900 3 cr.** Offered spring. Same as MCLG 331H. Overview of major events and currents in the German culture from 1900 to the present with an emphasis on the arts, literature, and intellectual movements. Credit not allowed for LS 322H and GRMN 352H (GERM 304).
- **UG 323 Studies in Literary Forms 3 cr.** (R-9) Offered autumn and spring. Prereq., LIT 300 (ENLT 301) or consent of instr. Same as LIT 375 (ENLT 323). Reading of various authors from different literary periods and cultures working in the same mode of composition (every two years, Literature of Place, Modern Drama, 19th Century Fiction, 20th Century Fiction, Lyric Poetry, Science Fiction, Autobiography; less frequently, Travel Literature, Popular Fiction, Epic, Tragedy, Satire, Romance, Comedy).
- **U 325 The Roots of Western Ethics 3 cr.** Offered intermittently. Prereq., lower-division course in Perspective 5 or consent of instr. Same as MCLG 365. Studies of the origins of Western ethical thinking in the original writings of Greek writers and their application to current situations.
- **UG 326 Stories East and West 3 cr.** Offered yearly. A course tracing the influence of Arabic fiction on its western counterpart.
- **U 327L Gender and Sexuality in English Fiction 3 cr.** Offered alternate years. Same as WGS 379L & LIT 379L (ENLT 375L). Major 20th century novels and short stories written in English in different parts of the world and how these texts explore changing concepts of gender and sexuality.
- **UG 338 The French Cinema 3 cr.** (R-6) Offered intermittently. Same as MCLG and FREN 338. An historical, aesthetic, and critical survey of the French cinema, from its beginnings in 1895 through the contemporary cinema (Muet, classical, Realism, Nouvelle Vogue, etc.) With an introduction to contemporary film criticism. Students taking the course for French credits are required to do research, reading, and writing in the French language.
- **UG 340H Ancient Greek Civilization and Culture 3 cr.** Offered intermittently. Prereq., ART 150H or 151H or consent of instr. Same as MCLG 360H and ART 380H. Slide lecture course. Ancient Greek works of art and architecture, related to and explained by

contemporary ideas and values of Greek society.

- **UG 341 Roman and Early Christian Art in Context 3 cr.** Offered intermittently. Prereq., ART 150H or 151H or consent of instr. Same as ART 381 and MCLG 361. A survey of the various media used in Roman art; the social political, and economic contexts in which the media were developed; and the transition (technical, iconographic, and contextual) to the art of the Early Christian period.
- **U 351 Exploring the Humanities in Depth 3 cr.** (R–9) Offered autumn and spring. Intensive study of a specific historical period in Western humanities through its seminal literature, with an emphasis on the intellectual and ethical paradigms which form an essential component of the foundations of the Western tradition.
- **UG 356 Studies in Literature and Other Disciplines 3 cr.** (R–9) Offered autumn and spring. Prereq., nine credits in LIT or LS or consent of instr. Same as LIT 376 (ENLT 325). Selected works of literature studied in conjunction with works of art, music, religion, philosophy, or another discipline (every two years, Psychology and Literature, Film and Literature, The Poetry of Meditation; less frequently, British Art and Literature, Modernism, Literature and Science, Bible as Literature, Song).
- **U 358 Latin American Civilization through Literature and Film 3 cr.** Offered autumn odd-numbered years. The development of the traditional society of Latin American civilization through the interaction of European, Indian and African elements. Credit not allowed for both LS/MCLG 358 and SPNS 357 (SPAN 359).
- **U 362 Ancient Greek and Roman Philosophy 3 cr.** Offered intermittently. Same as MCLG 362 and PHIL 362. Examination of the thought of the philosophers of Greece and Rome as expressed in original works read in English translation. Ancient philosophy studied within its historical, linguistic and cultural setting.
- **U 365 South Asian Traditions: Hinduism 3 cr.** Offered spring even-numbered years. Same as AS and RELS 365. Critical exploration of selected aspects of Hindu thought, narrative and practice, both in contemporary and historical perspective. Focus primarily on India, but with consideration of Hinduism's transformation and impact beyond South Asia.
- **UG 368 Shakespeare: Comedy and Tragedy 3 cr.** Offered yearly. An investigation of the differences, but also affinities, between the two fundamental Shakespearean genres.
- **UG 371 Women in America: from the Civil War to the Present 3 cr.** Offered intermittently. Same as HSTA 388 (HIST 371H) and WGS 371H. Interpretive overview of women's experiences in America after the Civil War. Exploration of such topics as women's associations, the battle for suffrage, organized feminism and its opponents, the industrialization of housework, women in the workforce, reproductive rights, and welfare. Particular attention to women's experiences shaped by class and race as well as by gender.
- **UG 381 Studies in the Film 3 cr.** Offered autumn and spring. Same as ENFM 381L. Prereq., LS 180L or consent of instr. Same as MCLG 381. Studies in genres, directors, movements, problems, etc.
- **U 391 Agriculture in the Humanities and Fine Arts 1 cr.** Offered autumn. Same as EVST and PHIL 391. Lecture series that accompanies cooperative education credit for students in P.E.A.S. (Program in Ecological Agriculture and Society).
- **U 395 Special Topics Variable cr.** (R–9) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.
- **U 396 Independent Study Variable cr.** (R–12) Offered intermittently.
- **U 397 Research Variable cr.** (R–6) Offered intermittently.
- **U 398 Internship Variable cr.** Offered intermittently. Prereq., consent of director. Extended classroom experience which provides practical application of classroom learning during placements off campus. Prior approval must be obtained from the faculty supervisor and the Internship Services office. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation.
- **UG 428 Renaissance Debate on Women 3 cr.** Offered yearly. A reading of texts from the fourteenth to the seventeenth centuries in several different genres (prose pamphlets, lectures, lyrics, drama, extracts from epics), to examine the arguments presented by women and men that crucially shaped the debate on women and gender and influenced modern attitudes toward women in the western hemisphere.
- **UG 432 Twentieth Century Chinese Fiction in English Translation 3 cr.** Offered intermittently in spring. Same as CHIN, and MCLG 432. A survey of the principal works of Chinese fiction circa 1910–1990
- **UG 455 Studies in Comparative Literature 3 cr.** (R–9) Offered intermittently. Same as LIT 430 (ENLT 430) and MCLG 440. Study of important literary ideas, genres, trends and movements. Credit not allowed for more than one course on the same topic numbered LIT 430 (ENLT 430), MCLG 440, 494 or LS 455.
- **UG 460 History of Criticism and Theory 3 cr.** Offered autumn or spring. Prereq., LIT 300 (ENLT 301) and six credits in literature courses numbered 300 or higher. Same as LIT 420 (ENLT 420). A survey of the historical development of critical theories which shaped ways of reading and writing from Plato and Aristotle to the present.
- **UG 461 Topics in Critical Theory 3 cr.** (R–6) Offered autumn or spring. Prereq., LIT 300 (ENLT 301) and six credits in literature courses numbered 300 or higher. Same as LIT 420 (ENLT 421). Study and application of one or more theoretical approaches to interpreting texts (e.g., aesthetic poststructural, new historicist, classical, renaissance, romantic, narrative, psychoanalytic, formalist, neo-Marxist, feminist, gender, cultural studies and reader-response theory.)
- **U 493 Omnibus Variable cr.** (R–6) Offered intermittently. Prereq., consent of instr. Independent work under University omnibus option. See index.
- **UG 494 Seminar in Humanities: Genres and Periods 3 cr.** (R–9) Offered intermittently. Concentrated studies in specific genres and periods.
- **UG 495 Special Topics Variable cr.** (R–9) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.
- **U 496 Independent Study Variable cr.** (R–9) Offered intermittently.
- **U 497 Research Variable cr.** (R–6) Offered intermittently.
- **U 498 Internship Variable cr.** Offered intermittently. Prereq., consent of director. Extended classroom experience which provides practical application of classroom learning during placements off campus. Prior approval must be obtained from the faculty supervisor and the Internship Services office. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation.

Faculty

Professors

- Paul A. Dietrich, Ph.D., University of Chicago, 1984
- Stewart Justman, Ph.D., Columbia University, 1976
- Ruth Vanita, Ph.D., Delhi University, 1992

Assistant Professor

- Bradley Clough, Ph.D., Columbia University, 1998
- Nathaniel Levtow, Ph.D., Brown University, 2006

Linguistics

- [Courses](#)
- [Faculty](#)

Tully J. Thibeau, Director

Mission

Objectives. The objectives of the Linguistics Program are to train students in the scientific analysis of languages. Students are prepared for further graduate study in the field: to study other languages; to apply their understanding of language to other fields; and to teach English and other languages to non–native students of those languages.

Indigenous and Endangered Languages. The research focus of the program includes indigenous languages of North America. Montana is the aboriginal home of speakers of languages that belong to four distinct language families: 1. Kutenai (isolate); 2. Flathead (Salish); 3 Cree, Blackfoot, Northern Cheyenne, and Gros Ventre (Algonquian); 4. Assiniboine, Sioux and Crow (Siouan). Of the approximately six thousand languages currently spoken in the world, only about five percent are projected to survive into the 22nd century. The Linguistics Program is committed to preserving and promoting the linguistic diversity of the region and the state.

Interdisciplinarity. The Linguistics Program is situated within the Department of Anthropology. In offering its curriculum the Linguistics Program collaborates with Native American Studies, English, Modern and Classical Languages and Literatures, Communication Studies, Philosophy, and the McNair Program.

Degree Offered.

- **Graduate Program:** The Program offers an M.A. in Linguistics. Students admitted to the Program pursue two tracks: general or applied. The program also supports students pursuing an MA degree with a Linguistics specialization through the Department of Anthropology.
- **Undergraduate Program:** There is no linguistics major or minor. However, students may pursue a Linguistics Option while earning a BA degree through the following departments: Anthropology, English, and Modern and Classical Languages and Literature. For specific course requirements, students should refer to the relevant department's section in this catalog.
- **Certificate of Accomplishment in English as a Second Language.** The University offers a sequence of courses (24 credits) that will lead to a Certificate of Accomplishment in English as a Second Language. The certificate will be issued by the University upon the recommendation of the Linguistics Program and the Faculty Senate.
In order to earn this certificate, a student must hold (or simultaneously earn) a baccalaureate or higher degree and complete the following courses: LING 470; LING 471; LING 472; LING 477 or 478; two upper–division electives (6 credits) from among LING 466, 473, 475, 476, and 489; LING 480; and LING 491. Courses required for the Certificate may not be taken on a pass–not pass basis.
- **English as a Second Language/Academic English.** Outside of its curriculum, the Linguistics Program directs several EASL courses for international students whose TOEFL scores range between 500 and 580. EASL courses enhance learning second language English as the language of classroom instruction at an English–speaking university or college. These courses facilitate the transition from learning academic English to actually using English in academic settings. Course content concentrates on academic uses of language skills : reading, writing, speaking and listening, with a limited degree of periodic intensive activities involving grammar and/or pronunciation. Trained, supervised graduate assistant teachers who are pursuing advanced degrees in linguistics instruct academically–oriented EASL courses. Each EASL course lasts one semester and grants international students three credit hours that count toward graduation. The needs of individuals who must raise their English proficiency to gain admission to a university or college are addressed by the English Language Institute.
- **Teacher Preparation in English as a Second Language. Minor Teaching Field:** For an endorsement in the minor teaching field of English as a Second Language, a student must complete LING 470, 471, 472, 477 or 478, 480 and 491; at least two courses from the following: LING 466, 473, 475, 476, and 489. Students also must gain admission to Teacher Education and Student Teaching and meet the requirements for certification as a secondary teacher (see School of Education section of this catalog.) Courses in the teaching minor may not be taken on a pass–not pass basis.

Courses

U = for undergraduate credit only, UG = for undergraduate or graduate credit, G = for graduate credit. R after the credit 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.

English as a Second Language (EASL)

- **U 250 Intermediate English for Academic Purposes: I 3 cr.** (R–6) Offered autumn and spring. Extensive training in reading, writing, and speaking grammatical English. This course is required of all foreign students with TOEFL scores between 500 and 525. Grading A, B, C, D, or F.
- **U 251 Intermediate English for Academic Purposes: II 3 cr.** (R–6) Offered autumn and spring. Prereq., 500 to 525 on the TOEFL or consent of instr. English grammar, reading, writing, and conversation skills for students who are not native speaker of English; designed for students who have scored between 500 and 525 on the TOEFL. Grading A, B, C, D, or F.
- **U 450 Advanced English for Academic Purposes: I 3 cr.** Offered autumn and spring. Prereq., TOEFL score of 526 or greater and consent of instr. Extensive training in reading, writing, and speaking grammatical English. Grading A, B, C, D, or F.
- **U 451 Advanced English for Academic Purposes: II 3 cr.** Offered autumn and spring. Prereq., 526 to 580 on the TOEFL or consent of instr. English grammar, reading, writing, and conversation skills for students who are not native speakers of English; designed for students who have scored between 525 and 580 on the TOEFL. Grading A, B, C, D, or F.

Linguistics (LING)

- **U 173 Introduction to Language 3 cr.** Offered every term. Same as COMM 173. A survey of the elements of language (structure, meaning, and sound) including language use in its social and cultural context.
- **U 195 Special Topics Variable cr.** (R–6) Offered autumn and spring. Experimental offerings of visiting professors, experimental offerings of new courses, or one–time offerings of current topics.
- **U 198 Internship Variable cr.** Offered autumn and spring. Prereq., consent of department. Extended classroom experience which provides practical application of classroom learning during placements off campus. Prior approval must be obtained from the faculty supervisor and the Internship Services office. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation.
- **U 270S Introduction to Linguistics 3 cr.** Offered every term. Same as ENLI 270S. An introduction to the field of modern linguistics and to the nature of language. Emphasis on the ways different cultures develop symbol systems for representing meaning.
- **U 375X Endangered Languages 3 cr.** Survey of endangered languages and the communities in which those endangered languages are spoken. topics to be addressed include linguistic diversity, language endangerment, language shift and loss, language maintenance efforts, and prospects for the future of these languages.
- **U 395 Special Topics Variable cr.** (R–9) Offered autumn and spring. Experimental offerings of visiting professors, experimental offerings of new courses, or one–time offerings of current topics.
- **U 398 Internship Variable cr.** Offered autumn and spring. Prereq., consent of department. Extended classroom experience which provides practical application of classroom learning during placements off campus. Prior approval must be obtained from the faculty supervisor and the Internship Services office. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation.
- **UG 403 Applied German Linguistics 3 cr.** Offered autumn. Same as GRMN 400 (GERM 403). Contrastive analysis of German phonology, morphology, and syntax.
- **UG 405 Applied Spanish Linguistics 3 cr.** Offered autumn. Prereq., SPNS 305 (SPAN 302) and LING 270 or consent of instr. Same as SPNS 400 (SPAN 405). Topics and issues from various linguistic approaches, selected for their applicability to the teaching of Spanish.
- **UG 465 Structure and History of English for Teachers 3 cr.** Offered autumn and spring. Same as ENLI 465. The development of the English language from a historical perspective contrasted with the phonological and grammatical structure of English from a modern linguistic point of view; specifically designed for teachers.
- **UG 466 Pedagogical Grammar 3 cr.** Offered autumn. Prereq., LING 470. Discussion of English grammar from a non–native speaker perspective focusing on items and structures that are difficult for non–native speakers.
- **UG 470 Introduction to Linguistic Analysis 3 cr.** Offered autumn and spring. Same as ENLI 470. An introduction to the field of modern linguistics and to the nature of language. Emphasis on linguistic analysis.
- **UG 471 Phonetics and Phonology 3 cr.** Offered autumn. Prereq., LING 470. A study of phonetic and phonological systems from as many as 20 languages, most of them non–Indo–European; training in how to do linguistic analysis as well as linguistic theory.
- **UG 472 Generative Syntax 3 cr.** Offered autumn. Prereq., LING 470. A study of the human language sentence–formation system, the means for expressing semantic information as propositional content. Emphasis on the abstraction of utterances in the form of mathematical objects.
- **UG 473S Language and Culture 3 cr.** Offered autumn even–numbered years. Prereq., LING 470. Technical study of the relationships between grammatical categories and world view.
- **UG 474 Historical Linguistics 3 cr.** Offered every year. Prereq., LING 470. An introduction to the study of language change over time. Topics include: methods for studying language change (the comparative method and internal reconstruction); types of language change (sound change, borrowing, analogical change, lexical, syntactic, and semantic change); and explanations for language change. The principles of historical reconstruction and comparative method in the analysis of linguistic variation and change.
- **UG 475 Linguistic Field Methods 3 cr.** Offered spring odd–numbered years. prereq., LING 470. Writing up linguistic data; developing techniques for eliciting linguistic data by working with a native speaker of a less commonly taught language. **UG 476 Child Language Acquisition 3 cr.** Offered spring even–numbered years. Prereq., LING 470. The development of speech and language: phonologic, prosodic, semantic, pragmatic, and morphosyntactic systems.
- **UG 477 Bilingualism 3 cr.** Offered autumn odd–numbered years. Prereq., LING 270S or equiv. Societal and individual

bilingualism: topics include language policy, maintenance, interference, code switching and mixture, and bilingual education.

- **UG 478 Second Language Development 3 cr.** Offered spring. Prereq., LING 471 and 472 or consent of instructor. Like studies in Second Language (L2) Acquisition, this course considers Interlanguage (i.e., a language system that develops non–natively) and includes analysis of L2 data taken from naturalistic and experimental setting.
- **UG 479 Pragmatics 3 cr.** Offered spring odd–numbered years. Prereq., LING 270 or equiv. Relations between language and its interpreters focusing on presupposition, speech acts, discourse analysis, and the application of pragmatics to second and foreign language acquisition.
- **UG 480 Teaching English as a Foreign Language 3 cr.** Offered spring. Prereq., LING 270 or equiv. Same as ENLI 480. The application of principles of modern linguistics to the problems of teaching English as a foreign language.
- **UG 481 The ESL Professional 3 cr.** Offered spring. Prereq. or coreq., LING 491; prereq., LING 480 or consent of instr. Professional development techniques for the independent language teacher: language test construction, self–critique of teaching strategies, materials development, curriculum evaluation and design, and electronic and print media resources for the language teaching professional.
- **UG 482 Topics in the Philosophy of Language 3 cr.** (R–6) Offered Intermittently. Prereq., upper–division standing. Same as PHIL 471. Discussion of one or more of the following topics: theories of meaning, theories of reference, pragmatics, the origin of language, psycholinguistics, and foundations of linguistic theory.
- **UG 484 North American Indigenous Languages and Linguistics Linguistics 3 cr.** Offered intermittently. prereq. LING 470. Description and analysis of some grammatical features of Indigenous languages of North America.
- **UG 489 Morphology 3 cr.** Offered spring. Prereq., LING 470. A survey of the morphological features of several unrelated languages to provide the student with a broad overview of how languages compare and contrast.
- **UG 491 ESL Practicum 1– 3 cr.** Prereq., or coreq., LING 480. Offered every term. Same as ENLI 491. Students with a teaching major take the course for 3 credits; others take it for 1 credit and do one third of the work.
- **UG 495 Special Topics Variable cr.** (R–6) Offered autumn and spring. Experimental offerings of visiting professors, experimental offerings of new courses, or one–time offerings of current topics.
- **UG 496 Independent Study Variable cr.** (R–9) Offered every term. Prereq., consent of instr. Special projects in linguistic analysis.
- **U 498 Internship Variable cr.** Offered autumn and spring. Prereq., consent of department. Extended classroom experience which provides practical application of classroom learning during placements off campus. Prior approval must be obtained from the faculty supervisor and the Internship Services office. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation.
- **G 570 Seminar in Linguistics 3 cr.** (R–12) Offered autumn and spring. Prereq., LING 470. Same as ANTH 570. Advanced topics in linguistic analysis.
- **G 575 Preceptorship 1 cr.** (R–4) Offered autumn and spring. Prereq., consent of instr. Materials development, assessment and evaluation of learners’ needs and interests in teaching English as an academic second Language to international students attending universities with English instruction.
- **G 595 Special Topics Variable cr.** (R–9) Offered every term. Experimental offerings of visiting professors, experimental offerings of new courses, or one–time offerings of current topics.
- **G 596 S Independent Study 1–3 cr.** (R–6) Offered every term.
- **G 598 Internship Variable cr.** (R–6) Offered autumn and spring.
- **G 599 Professional Paper Variable cr.** (R–6) Offered every term.
- **G 699 Thesis Variable cr.** (R–6) Offered every term.

Faculty

- Irene Appelbaum, Ph.D., University of Chicago, 1995, Associate Professor (Linguistics)
- Leora Bar–el, Ph.D., :University of British Columbia, 2005, Assistant Professor (Linguistics)
- Gary Bevington, Ph.D., University of Massachusetts at Amherst, 1970, Adjunct Professor (Linguistics)
- Anthony Mattina, Ph.D., University of Hawaii, 1973, Professor, (Linguistics)
- Donna Mendelson, Ph.D., State University of new York at Binghamton, 1997, Adjunct Professor
- Miyashita Mizuki, Ph.D., University of Arizona, 2002, Assistant Professor (Linguistics)
- Naomi Shin, Ph.D., City University of New York, 2006, Assistant Professor (Modern and Classical Languages and Literatures)
- Tully J. Thibeau, Ph.D., University of Arizona, 1999, Assistant Professor (Director)

Department of Mathematical Sciences

- [Special Degree Requirements](#)
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Leonid Kalachev, Chair

Mathematics is studied both as a tool and for its own sake. Its usefulness in the sciences--physical, biological, social, behavioral, and environmental--and in decision–making processes is so established as to make it an indispensable part of many curricula.

Mathematics is chosen as a major area of study by individuals who find it challenging, fascinating, and beautiful. It is also appreciated by many who seek primarily to use mathematics as a tool.

A career in mathematics, except for teaching at the secondary level, generally requires a graduate degree as preparation. Careers include teaching, research, and the application of mathematics to diverse problems in institutions of higher learning, business, industry, and government.

The Bachelor of Arts, Master of Arts, and Doctor of Philosophy degrees are offered as well as a Bachelor of Science in Mathematical Sciences–Computer Science.

High School Preparation: For study of mathematics at the University, it is recommended that high school preparation include the equivalent of three years of algebra, plane geometry, trigonometry, and analytic geometry.

Special Degree Requirements

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

Mathematics Requirements for B.A. Degree with a Major in Mathematical Sciences

To obtain a B.A. degree with a major in Mathematical Sciences, the required courses are M 171 or 181, 172 or 182, 221(MATH 152, 153, 221), 273 (MATH 251) (except for students in the Mathematics Education option), M 300 (MATH 300) (except for students in the Mathematics Education option), M 307 (MATH 305) and six additional courses from the following list (at least three of the six must be numbered 400 or above): M 301, 311, 325, 326, 361, 362, 381, 412, 414, 429, 431, 432, 439, 440, 472, 473, 485 and STAT 341, 421, 422. All mathematical sciences courses counted toward the major must be passed with a grade of C– or better and a 2.00 grade point average is required for these courses. In addition, if a special option is desired, the minimum requirements listed below for that option must be met. Additional courses should be chosen in consultation with a mathematics advisor.

Requirements for the Special Options

Pure Mathematics Option

Four courses chosen from M 381, 431, 432, 472, 473 (MATH 351, 421, 422, 451, 452).

Mathematics Education Option

M 301, 326, 429, 431, 439, (MATH 301, 326, 406, 421, 431) STAT 341 (MATH 341); either M 273 (MATH 251) or one additional course chosen from the above list for the six-course requirement; and the completion of certification requirements for teaching in secondary schools to include C&I 430.

Statistics Option

STAT 341, 421, 422 (MATH 341, 441, 442). (Additional mathematics and statistics courses chosen with advisor.)

Combinatorics and Optimization Option

M 361, 362, 485 (MATH 381, 382, 485); and one course chosen from STAT 341 (MATH 341) M 414, 440 (MATH 414, 471), or CS 332.

Applied Mathematics Option

M 311, 412, 414 (MATH 311, 412, 414) and one of M 472 or 440 (MATH 452 or 471). (M 381 and M 485 (MATH 351 and 485) are recommended.)

Major Requirements in Courses Outside Mathematics

1. Except for students in the Mathematics Education option and for students presenting a second major within the University, students must either complete two-semester language sequence as specified under "Group III: Modern and Classical Languages" in the General Education section of the Catalog, or take two courses chosen from CS 101, 131, 132, 201, 207.
2. All mathematics majors, except those selecting the mathematics education option, must complete 18 credits in at most three sciences selected from astronomy, biology, chemistry, computer science, economics, forestry, geology, management, microbiology, and physics. Students selecting the mathematics education option must complete 12 credits in at most two sciences selected from astronomy, biology, chemistry, computer science, geology, microbiology and physics. An alternative to the science requirement is for the student to present a minor or second major within the University, or for the student with a mathematics education option to complete an additional teaching minor or major.
3. The upper-division writing requirement for Mathematical Sciences majors consists of: M 429 (Math 406), or any other approved General Education upper-division Writing course, OR a senior thesis M 499 (MATH 499).

Requirements for a B.S. Degree with a Combined Major in Mathematical Sciences–Computer Science

The purpose for the combined program is to provide a thorough background in both allied disciplines and to inculcate a deeper understanding of their goals and methods. A student must complete 60 credits in the two disciplines: 30 of these credits in mathematical

sciences courses and 30 of these credits in computer science courses. A minimum grade of “C–” and a 2.0 grade point average is required in all courses which follow.

The mathematical sciences requirements are: M 171 (or 181)-172 (or 182), 221, 273, 307 or (225) (MATH 152–153, 221, 251, 305 (or 225)), and twelve credits of mathematical sciences selected from the following list: M 311, 325, 326, 361, 362, 381, 412, 414, 429, 431, 432, 439, 440, 445, 472, 473, 485 and STAT 341, 421, 422, 451, 452 (MATH 311, 325, 326, 341, 351, 381, 382, 406, 412, 414, 421, 422, 431, 441, 442, 444, 445, 451, 452, 471, 475, 485).

The computer science requirements are: CS 121, 131–132 or 133, 241–242, 281, 332 and nine credits of CS electives selected from courses numbered 300 and above. A total of at most three of the nine credits of CS electives may be in CS 398 or 498. The combined nine additional credits of computer science electives and twelve additional credits of mathematical sciences electives must include at least three 3– or 4–credit courses numbered 400 or above, with at least one chosen from each department (not including M 429 (MATH 406) and STAT 451, 452 (MATH 444 and 445)).

Other requirements are: One of the sequences BIOL 108N, 109N, 110N; CHMY 141N, 143N (CHEM 161N, 162N); or PHYS 211N-214N (221N–222N). In addition, WRIT 222 (FOR 220), and either COMM 111A or COMM 242.

Each student plans a program in consultation with a computer science and a mathematical sciences advisor. Students planning to attend graduate school in computer science or the mathematical sciences should consult with their respective advisors.

The upper–division writing requirement is one of the following: CS 415E, M 429 (MATH 406), any other approved General Education upper–division writing course, or a senior thesis (CS 499 or M 499 (MATH 499)).

Suggested Curricula:

Applied Math–Scientific Programming: M 311, 412, 414 (MATH 311, 412, 414), and one course chosen from STAT 341 (MATH 341), M 381, 473, 472, 440 (MATH 351, 451, 452, 471). Three courses chosen from CS 344, 446, 477, 486.
 Combinatorics and Optimization–Artificial Intelligence: M 261, 362 (MATH 381, 382), and two courses chosen from M 325, 414, 485 (MATH 325, 414, 485) STAT 341 (MATH 341); and CS 344, 455, and 457.
 Statistics–Machine Learning: STAT 341, 421 (MATH 341, 441), and two courses chosen from M 325, 362, 485 (MATH 325, 382, 485) STAT 422 (MATH 442). Three courses chosen from CS 365, 455, 457, 458, and 486
 Algebra–Analysis: M 381, 431 (MATH 351, 421), and two courses chosen from M 326, 432, 473, 472 (MATH 326, 422, 451, 452); CS 344, 441, and one other course.

Suggested Course of Study

	First Year	A S
M 171-172 (MATH 152-153) Calculus I, II		4 4
WRIT 101 (ENEX 101) Composition and other General Education Courses (including two sciences courses)		12 12
		16 16
	Second Year	A S
M 221 (MATH 221) Intro to Linear Algebra		4 –
M 273 (MATH 251) Multivariable Calculus		4 –
M 307 (MATH 305) Introduction to Abstract Mathematics		– 3
General Education courses, additional science courses and electives		9 13
		17 16

Requirements for a Minor

To earn a minor in mathematics the student must earn 23 credits in M, MATH, or STAT courses listed in a UM-Missoula Catalog (or in transfer courses equivalent to such courses), M courses must be numbered 115 or higher, and MATH courses must be numbered 111 or higher. Courses must include: (a) one of M 162 or 172 or 182 (MATH 150 or 153), and (b) at least three 3– or 4– credit courses at the 300 level or above. M 172 or 182 (MATH 153) (Calculus II) is recommended since it is a prerequisite for many upper–division mathematics courses. All courses counted toward the minor must be passed with a grade of C– or better and a 2.00 grade point average is required for these courses. A handout with detailed advice for math minors, including suggested curricula, is available on the math department’s home page.

Mathematics Education Minor: For a teaching minor endorsement in the field of mathematics, a student must complete M 171-172, 221, 301, 307, 326, 439 (MATH 152-153, 221, 301, 305, 326, 431), and STAT 341, (MATH 341). Students also must complete C&I 430, gain admission to Teacher Education and Student Teaching and meet the requirements for certification as a secondary teacher (see the School of Education section of this catalog). All courses counted toward the minor must be passed with a letter grade of C– or better and a 2.00 grade average is required.

Courses

U = for undergraduate credit only, UG = for undergraduate or graduate credit, G = for graduate credit. R after the credit 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.

Mathematical Sciences (M)

Unless the student has prior written approval of the Mathematical Sciences Department, credit is not allowed for any mathematics course that is a prerequisite for a mathematics course for which credit has already been earned. Students receiving transfer or Advanced Placement credit for STAT 216 (MATH 241) may take M 115 (MATH 117) for credit.

See the College of Technology section for Introductory Algebra, M 090 (MAT 005), and Intermediate Algebra, M 095 (MAT 100).

- **U 104 (MATH 109) Numbers as News 3 cr.** Offered spring. Prereq., M 090 (MAT 005) with a grade of B- or better, or M 095 (MAT 100), or appropriate placement score. An exploration of mathematics and statistics as used in the popular media. For students in the School of Journalism only.
- **U 105 (MATH 107) Contemporary Mathematics 3 cr.** Offered every term. Prereq., M 090 (MAT 005) with a grade of B- or better, or M 095 (MAT 100), or appropriate placement score. An introduction to mathematical ideas and their impact on society. Intended for students wishing to satisfy the general education mathematics requirement.
- **U 115 (MATH 117; MAT 117) Probability and Linear Mathematics 3 cr.** Offered every term. Prereq., M 090 (MAT 005) with a grade of B- or better, or M 095 (MAT 100), or appropriate placement score. Systems of linear equations and matrix algebra. Introduction to probability with emphasis on models and probabilistic reasoning. Examples of applications of the material in many fields.
- **U 121 (MATH 111) College Algebra 3 cr.** Offered autumn and spring. Prereq., M 095 (MAT 100) or appropriate placement score. Intended to strengthen algebra skills. The study of functions and their inverses; polynomial, rational, exponential, and logarithmic functions. Credit not allowed for both M 121 (MATH 111, MAT 118), M 151 (MATH 121, MAT 120).
- **U 122 (MATH 112) College Trigonometry 3 cr.** Offered autumn and spring. Prereq., M 121 (MATH 111) or appropriate placement score. Preparation for calculus based on college algebra. Review of functions and their inverses, exponential and logarithmic functions. Trigonometric functions and identities, polar coordinates and an optional topic such as conic sections or parametric functions. Credit not allowed for both M 122 (MATH 112, MAT 119) and M 151 (MATH 121, MAT 120).
- **U 135 (MATH 130) Mathematics for K-8 Teachers I 5 cr.** Offered autumn and spring. Prereq., M 095 (MAT 100) or appropriate placement score. Open only to elementary education majors. Topics include problem-solving, sets and logic, functions, whole numbers, integers, rational numbers, real numbers, number theory, probability and statistics.
- **U 136 (MATH 131) Mathematics for K-8 Teachers II 4 cr.** Offered autumn and spring. Prereq., 130. Topics include introductory geometry, geometric constructions, congruence, similarity, measurement, coordinate geometry and an introduction to computer geometry.
- **U 151 (MATH 121) Precalculus 4 cr.** Offered autumn and spring. Prereq., appropriate placement score. A one semester preparation for calculus (as an alternative to M 121-122 (MATH 111-112)). Functions of one real variable are introduced in general and then applied to the usual elementary functions, namely polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, and miscellaneous others. Inverse functions, polar coordinates and trigonometric identities are included. Credit not allowed for both M 151 (MATH 121, MAT 120) and M 121 or 122 (MATH 111 or 112, MAT 118 or 119).
- **U 162 (MATH 150) Applied Calculus 4 cr.** Offered autumn and spring. Prereq., appropriate placement score or one of M 121, 122 or 151 (MATH 111, 112 or 121). Introductory course surveying the principal ideas of differential and integral calculus with emphasis on applications and computer software. Mathematical modeling in discrete and continuous settings. Intended primarily for students who do not plan to take higher calculus.
- **U 171 (MATH 152) Calculus I 4 cr.** Offered autumn and spring. Prereq., M 122 or 151 (MATH 112 or 121) or appropriate placement score. Differential calculus, including limits, continuous functions, Intermediate Value Theorem, tangents, linear approximation, inverse functions, implicit differentiation, extreme values and the Mean Value Theorem. Integral Calculus including antiderivatives, definite integrals, and the Fundamental Theorem of Calculus.
- **U 172 (MATH 153) Calculus II 4 cr.** Offered autumn and spring. Prereq., M 171 (MATH 152). Techniques of Integration. Area computations. Improper integrals. Infinite series and various convergence tests. Power series. Taylor's Formula. Polar coordinates. Parametric curves.
- **U 181 Honors Calculus I 4 cr.** Offered autumn. Prereq., consent of instr. Coreq., Honors Calculus Seminar, a section of M 294 (MATH 294. Honors version of M 171 (MATH 152)).
- **U 182 Honors Calculus II 4 cr.** Offered spring. Prereq., M 181 or consent of instr. Coreq., Honors Calculus Seminar, a section of M 294 (MATH 294). Honors version of M 171 (MATH 153).
- **U 191 (MATH 95) Special Topics Variable cr.** (R-6) Offered autumn and spring. Prereq., consent of instr. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.
- **U 221 Introduction to Linear Algebra 4 cr.** Offered autumn and spring. Prereq., M 172 (MATH 153). Vectors in the plane and space, systems of linear equations and Gauss-Jordan elimination, matrices, determinants, eigenvalues and eigenvectors, vector spaces, linear transformations. Calculators and/or computers used where appropriate.
- **U 225 Introduction to Discrete Mathematics 3 cr.** Offered autumn. Prereq., M 162 or 171 (MATH 150 or 152) or consent of instr. Mathematical concepts used in computer science with an emphasis on mathematical reasoning and proof techniques. Elementary logic, sets, functions and relations, combinatorics, mathematical induction, recursion and algorithms. Mathematics majors should take M 307 instead of M 225 (MATH 305 instead of 225).
- **U 231 Topics in Geometry 3 cr.** Offered intermittently. Prereq., M 136 (MATH 131) or consent of instr. Geometry topics for teaching grades 6-12 mathematics. Intended primarily for students in elementary education who plan to teach middle school mathematics.
- **U 273 (MATH 251) Multivariable Calculus 4 cr.** Offered autumn and spring. Prereq., M 172 (MATH 153). Calculus of functions of several variables; differentiation and elementary integration. Vectors in the plane and space.
- **U 274 (MATH 158) Introduction to Differential Equations 3 cr.** Offered spring. Prereq., M 162 (MATH 150) or M 171 (MATH

- 152) and knowledge of basic trigonometry. Solution of ordinary differential equations and systems with emphasis on applications, numerical methods and computer software.
- **U 291 (MATH 295) Special Topics Variable cr.** (R-9) Offered autumn and spring. Prereq., consent of instr. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.
 - **U 292 (MATH 296) Independent Study Variable cr.** (R-9) Offered autumn and spring. Prereq., consent of instr. Guidance of an individual student in doing independent study on material not offered in a regular course.
 - **U 294 Seminar Variable cr.** (R-9) Offered autumn and spring. Prereq., consent of instr. Guidance in special work for advanced students.
 - **U 300 Undergraduate Mathematics Seminar 1 cr.** (R-6) Offered every semester. Prereq., M 171 (MATH 152). Discussion seminar focused on topics and issues of interest to students in the mathematical sciences.
 - **UG 301 Mathematics Technology for Teachers 3 cr.** Offered autumn. Prereq., M 221 (MATH 221). Discrete and continuous mathematical models from a variety of disciplines using appropriate technology.
 - **U 307 (MATH 305) Introduction to Abstract Mathematics 3 cr.** Offered autumn and spring. Prereq., M 172 (MATH 153). Designed to prepare students for upper-division proof-based mathematics courses. Topics include proof techniques, logic, sets, relations, functions and axiomatic methods. Students planning to take both M 221 and M 307 (MATH 221 and 305) are encouraged to take M 221 (MATH 221) first.
 - **UG 311 Ordinary Differential Equations and Systems 3 cr.** Offered autumn. Prereq., M 273 (MATH 251). Ordinary differential equations. Systems of linear differential equations from a matrix viewpoint. Series solutions. Existence and uniqueness for initial value problems. Numerical methods. Stability and selected topics. M 317 (MATH 317) computer lab recommended.
 - **UG 317 Ordinary Differential Equations Computer Lab 1 cr.** Offered autumn. Coreq., M 311 (MATH 311) or consent of instr. Intended primarily for student in M 311 (MATH 311).
 - **UG 325 Discrete Mathematics 3 cr.** Offered spring. Prereq., M 171 and 225 or 307 (MATH 152 and 225 or 305). Continuation of 225 and topics from graph theory, Boolean algebras, automata theory, coding theory, computability and formal languages.
 - **UG 326 Number Theory 3 cr.** Offered spring. Prereq., M 225 or 307 (MATH 225 or 305). Congruences, Diophantine equations, properties of primes, quadratic residues, continued fractions, algebraic numbers.
 - **UG 361 (MATH 381) Discrete Optimization 3 cr.** Offered spring. Prereq., M 162 or 172 (MATH 150 or 153) (221 or 225 recommended). Intended for non-mathematics majors as well as mathematics majors. Introduction to discrete optimization and modeling techniques with applications. Topics from combinatorics and graph theory, including enumeration, graph algorithms, matching problems and networks.
 - **UG 362 (MATH 382) Linear Optimization 3 cr.** Offered autumn. Prereq., M 162 or 172 (MATH 150 or 153) (221 recommended). Coreq., M 363 (MATH 388) recommended. Intended for non-mathematics majors as well as majors. Introduction to linear programming and modeling techniques with applications. Topics include the simplex method, duality, sensitivity analysis and network models.
 - **UG 363 (MATH 388) Linear Optimization Laboratory 1 cr.** Offered autumn. Coreq., M 362 (MATH 382). Introduction to linear optimization software.
 - **UG 381 (MATH 351) Advanced Calculus I 4 cr.** Offered autumn even-numbered years. Prereq., M 273, 307 (MATH 251, 305). Rigorous development of the theory of functions of several variables. Differentiability, Taylor's theorem, inverse and implicit function theorems, multiple integration, differential forms and Stokes' theorem.
 - **U 390 Supervised Internship 1-9 cr.** (R-9) Prereq., consent of dept.
 - **U 391 (MATH 395) Special Topics Variable cr.** (R-9) Offered autumn and spring. Prereq., consent of instr. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.
 - **U 392 (MATH 396) Independent Study Variable cr.** (R-9) Offered autumn and spring. Prereq., consent of instr. Guidance of an individual student in doing independent study on material not offered in a regular course.
 - **U 394 Seminar Variable cr.** (R-9) Offered autumn and spring. Prereq., consent of instr. Guidance in special work for advanced students.
 - **U 398 Internship Variable cr.** Offered autumn and spring. Prereq., consent of instructor. Extended classroom experience which provides practical application of classroom learning during placements off campus. Prior approval must be obtained from the faculty supervisor and the Internship Services office. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation.
 - **UG 412 Partial Differential Equations 3 cr.** Offered spring. Prereq., M 311 (MATH 311). Fourier series, Sturm-Liouville and boundary value problems. Partial differential equations: Cauchy problems and the method of characteristics, separation of variables and Laplace transform methods. Numerical methods and selected topics. M 418 (MATH 418) computer lab recommended.
 - **UG 414 Deterministic Models 3 cr.** Offered autumn. Prereq., M 274 or 311 (MATH 158 or 311) or consent of instr. Linear and nonlinear difference and differential equations: stability, phase-plane analysis, oscillatory behavior, limit cycles, and chaos. Eigenvalues and eigenfunctions. Emphasis on models in biology.
 - **UG 418 Partial Differential Equations Computer Lab 1 cr.** Offered spring. Coreq., M 412 (MATH 412) or consent of instr. Intended primarily for students in M 412 (MATH 412).
 - **UG 429 (MATH 406) History of Mathematics 3 cr.** Offered spring. Prereq., M307 (MATH 305). Historical study of the development of mathematics from the Egyptian and Babylonian eras to the 20th century.
 - **UG 431 (MATH 421) Abstract Algebra I 4 cr.** Offered autumn. Prereq., M 221 and 307 (MATH 221 and 305) or consent of instr. An introduction to modern ideas of algebra through the study of groups, rings, and fields.
 - **UG 432 (MATH 422) Abstract Algebra II 4 cr.** Offered spring. Prereq., M 431 (MATH 421). Continues the investigation of groups, rings, and fields begun in M 431 (MATH 421). Further topics include vector spaces and field extensions.
 - **UG 439 (MATH 431) Euclidean and Non-Euclidean Geometry 3 cr.** Offered autumn. Prereq., M 307 (MATH 305); M 231 (MATH 231) recommended. Euclidean geometry from a rigorous, axiomatic viewpoint and Non-Euclidean geometries chosen from Lobachevskian, projective, finite and Riemannian.
 - **UG 440 (MATH 471) Numerical Analysis 4 cr.** Offered intermittently. Prereq., M 307, 311 (MATH 305, 311), one computer language. Error analysis; approximation and interpolation, numerical solution of linear and non-linear equations, numerical integration of ordinary and partial differential equations.

- **UG 445 (MATH 475) Statistical, Dynamical, and Computational Modeling 4 cr.** Offered autumn odd-numbered years. Prereq., consent of instr. An interdisciplinary course on the integration of statistical and dynamical models with applications to biological problems. Linear and nonlinear models, estimation, systems of ordinary differential equations, numerical integration, bootstrapping, MCMC methods. Intended both for students in mathematics and the natural sciences.
- **UG 472 (MATH 452) Introduction to Complex Analysis 4 cr.** Offered spring. Prereq., M 273 (MATH 251), M 307 (MATH 305). Analytic functions, complex integration, singularities and application to contour integration, harmonic functions, spaces of analytic functions.
- **UG 473 (MATH 451) Introduction to Real Analysis 4 cr.** Offered autumn odd-numbered years. Prereq., M 273 (MATH 251), M 307 (MATH 305). Theory of metric spaces and point set topology, Riemann-Stieltjes integral, sequences and series of functions. Stone-Weierstrass theorem, theorem of Arzela-Ascoli, introduction to Lebesgue integration.
- **UG 485 Graph Theory 3 cr.** Offered autumn. Prereq., M 325 or M 307 and M 361 (MATH 325, or MATH 305 and 381), or consent of instr. Theory and applications of graphs. Topics chosen from trees, matchings, connectivity, coloring, planarity, Ramsey theory, random graphs, combinatorial designs and matroid theory.
- **U 494 Seminar Variable cr.** (R–9) Offered autumn and spring. Prereq., consent of instr. Guidance in special work for advanced students.
- **UG 491 (MATH 495) Special Topics Variable cr.** (R–9) Offered autumn and spring. Prereq., consent of instr. Experimental offerings of visiting professors, experimental offerings of new courses, or one–time offerings of current topics.
- **U 492 (MATH 496) Independent Study Variable cr.** (R–9) Offered autumn and spring. Prereq., consent of instr. Guidance of an individual student in doing independent study on material not offered in a regular course
- **U 498 Internship Variable cr.** Offered autumn and spring. Prereq., consent of instr. Extended classroom experience which provides practical application of classroom learning during placements off campus. Prior approval must be obtained from the faculty supervisor and the Internship Services office. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation.
- **U 499 Senior Thesis Variable cr.** (R–12) Offered autumn and spring. Prereq., consent of instr. Senior thesis for mathematics majors and/or Watkins Scholars.
- **G 500 Current Mathematical Curricula 3 cr.** Offered intermittently. Prereq., undergraduate major or minor in mathematics. Analysis of contemporary materials for secondary school mathematics: the goals, the mathematical content, alternative methodologies, and curriculum evaluation.
- **G 501 Technology in Mathematics for Teachers 3 cr.** Offered intermittently. Prereq., undergraduate mathematics major or minor. Technology usage—when it is appropriate and when it is not. Experience is provided with scientific calculators, graphing utilities, computers, and identification of exemplary software.
- **G 504 Topics in Math Education Variable cr.** (R–12) Offered intermittently. Prereq., teacher certification. Topics of current interest which may include calculus, number theory, probability and statistics, geometry, or algebra, at a level suitable for teachers.
- **G 510 Problem Solving for Teachers 3 cr.** Offered intermittently in summer. Prereq., undergraduate major or minor in mathematics. Strategies for problem solving, problem posing in a variety of situations, modeling and applications. Problems are selected from various areas of mathematics.
- **G 511 Advanced Mathematical Methods I 3 cr.** Offered autumn odd–numbered years. Prereq., M 311, 412, 414 (MATH 311, 412 or 414). Methods in applied mathematics related to the qualitative and quantitative solution of nonlinear and differential integral equations, dynamical systems, and perturbation methods. Applications of these methods to other sciences.
- **G 512 Advanced Mathematical Methods II 3 cr.** Offered spring even–numbered years. Prereq., M 511 (MATH 511). Continuation of M 511 (MATH 511).
- **G 514 Topics in Applied Mathematics Variable cr.** (R–12) Offered autumn even–numbered years. Prereq., consent of instr. or M 511–512 (Math 511–512). Topics of current interest in applied mathematics, mathematical modeling, dynamic modeling, and optimal management in stochastic or deterministic environments.
- **G 520 Algebra for Teachers 3 cr.** Offered intermittently in summer. Prereq., M 431 (MATH 421) or equiv. Topics include algebraic number fields, linear algebra topics, and applications appropriate for secondary teachers.
- **G 521 Advanced Algebra I 3 cr.** Offered alternate years. Prereq., M 432 (MATH 422) or consent of instr. Topics covered include group theory, field theory and Galois theory.
- **G 522 Advanced Algebra II 3 cr.** Offered alternate years. Prereq., M 521 (MATH 521) or consent of instr. Continuation of 521; rings, modules, commutative algebra, and further topics.
- **G 524 Topics in Algebra I 3 cr.** (R-6) Offered alternate years. Prereq., M 432 (MATH 422) or consent of instr. Topics have included algebraic geometry, commutative ring theory and advanced linear algebra.
- **G 525 Topics in Algebra II 3 cr.** (R-6) Offered alternate years. prereq., M 524 (MATH 524) or consent of instr. Continuation of M 524 (MATH 524).
- **G 526 Discrete Mathematics for Teachers 3 cr.** Offered intermittently in summer. Prereq., M 307 (MATH 305) or consent of instr. Elements and operations of finite structures, combinatorics, recursion, graph theory, matrix representations, and finite state transition models.
- **G 530 Geometries for Teachers 3 cr.** Offered intermittently in summer. Prereq., M 439 (MATH 431) or equiv. Comparison of synthetic, analytic, vector, and transformational approaches to geometry. Includes classification of geometries, geometric representations, axiomatics, and the applications of modern geometries.
- **G 531 Topology 3 cr.** Offered autumn even–numbered years. Prereq., M 473 (MATH 451) or consent of instr. Set theory, topological spaces, metrizable, continuous mappings and selected topics.
- **G 532 Algebraic Topology 3 cr.** Offered spring alternate years. Prereq., M 431 (MATH 421) and M 531 (MATH 531) or consent of instr. Introduction to algebraic topology through one or more topics chosen from the fundamental group and higher homotopy groups, singular homology, and simplicial homology.
- **G 550 Analysis for Teachers 3 cr.** Offered intermittently in summer. Prereq., M 273 (MATH 251) or equiv. Notions of limits, continuity, differentiation, and integration in \mathbb{R}^n .
- **G 551 Real Analysis 3 cr.** Offered spring even–numbered years. Prereq., M 473 or 472 (MATH 451 or 452) or consent of instr. Measure theory, abstract integration theory, theory of L_p -spaces.