

University Learning Goals of Undergraduate Education

Bachelor's degree requirements are rooted in the seven Learning Goals of Undergraduate Education described below, which are expressed broadly so as to frame study in the major as well as in general education. The goals were formulated by the faculty and authorized by the Faculty Senate in 2004, and are periodically revised. The learning outcomes of the various undergraduate degree programs align with these goals, as do those of the general education program (University Common Requirements, see below, and Honors curriculum, see Honors College departmental entry).

The American Association of Colleges and Universities' Liberal Education and America's Promise (LEAP) initiative served as the broad framework for WSU's University Learning Goals of Undergraduate Education. This initiative promotes the importance of a broad education in the liberal arts and sciences for the 21st century, "for individual students and for a nation dependent on economic creativity and democratic vitality." Employer surveys support this approach: employers throughout the nation want college graduates who can think critically about real-world problems, communicate well, and be active and engaged problem-solvers in diverse settings, as much as they want college graduates to be trained well in specific disciplines. WSU and the state of Washington are proud to be members of the LEAP national collaborative (<https://www.aacu.org/leap>).

Learning Goals of Undergraduate Education

CRITICAL AND CREATIVE THINKING

Graduates will use reason, evidence, and context to increase knowledge, to reason ethically, and to innovate in imaginative ways.

Example learning outcomes: Graduates may demonstrate critical and creative thinking by:

1. Defining, analyzing, and solving problems.
2. Integrating and synthesizing knowledge from multiple sources.
3. Assessing the accuracy and validity of findings and conclusions.
4. Examining how one thinks, reasons, and makes value judgments, including ethical and aesthetic judgments.
5. Identifying diverse viewpoints, including different philosophical and cultural perspectives.
6. Combining and synthesizing existing ideas, images, or expertise in original ways.
7. Thinking and working in imaginative ways characterized by innovation, divergent thinking, and risk-taking.

QUANTITATIVE REASONING

Graduates will solve quantitative problems from a wide variety of authentic contexts and everyday life situations.

Example learning outcomes: Graduates may demonstrate quantitative and symbolic reasoning by:

1. Explaining information presented in mathematical forms (e.g., equations, graphs, diagrams, tables, and words).
2. Converting relevant information into various mathematical forms (e.g., equations, graphs, diagrams, tables, and words).
3. Applying quantitative principles and methods in the solution of problems.
4. Making judgments and drawing appropriate conclusions based on the quantitative analysis of data, while recognizing the limits of this analysis.
5. Identifying and evaluating important assumptions in estimation, modeling, and data analysis.
6. Expressing quantitative evidence in support of the argument or purpose of work (in terms of what evidence is used and how it is formatted, presented, and contextualized).

SCIENTIFIC LITERACY

Graduates will have a basic understanding of major scientific concepts and processes required for personal decision-making, participation in civic affairs, economic productivity and global stewardship.

Example learning outcomes: Graduates may demonstrate scientific literacy by:

1. Identifying scientific issues underlying global, national, local and personal decisions and communicating positions that are scientifically and technologically informed.
2. Evaluating the quality of scientific and health-related information on the basis of its source and the methods used to generate it.
3. Posing and evaluating arguments based on evidence and applying conclusions from such arguments appropriately.
4. Recognizing the societal benefits and risks associated with scientific and technological advances.

INFORMATION LITERACY

Graduates will effectively identify, locate, evaluate, use responsibly and share information for the problem at hand.

Example learning outcomes: Graduates may demonstrate information literacy by:

1. Determining the extent and type of information needed.
2. Implementing well-designed search strategies.
3. Accessing information effectively and efficiently from multiple sources.
4. Assessing credibility and applicability of information sources.
5. Using information to accomplish a specific purpose.
6. Accessing and using information ethically and legally.

COMMUNICATION

Graduates will communicate successfully with audiences through written, oral, and other media as appropriate for the audience and purpose.

Example learning outcomes: Graduates may demonstrate communication skills by:

1. Analyzing how circumstances, background, values, interests and needs shape communication sent and received.
2. Tailoring messages to audiences according to purpose, occasion, and technology used.
3. Expressing concepts, propositions, and beliefs in coherent, concise, and technically correct form.
4. Choosing appropriate communication media and technology.
5. Speaking confidently and effectively in front of groups.
6. Following social and disciplinary norms for individual and small group interactions, which includes active listening.

DIVERSITY

Graduates will understand, respect and interact constructively with others of similar and diverse cultures, values, and perspectives.

Example learning outcomes: Graduates may demonstrate their recognition of diverse cultures, values, and perspectives by:

1. Moving beyond perception-based comparisons, prior knowledge, and individual experiences to understand how social positioning and cultural differences and/or interrelations are constructed.
2. Recognizing how factors including history; politics; economics; systems of discrimination and inequality; structures of power and privilege; and/or cultural values, beliefs, and practices determine social and cultural conditions.
3. Using vocabulary, language, concepts, and/or theoretical models to engage and analyze how social realities are shaped and how stereotypes are created by cultural and socio-economic differences in the US and/or globally.

- Analyzing and critiquing the cultural and social underpinnings of knowledge claims about individuals and groups and their relations to one another.
- Assessing one's own core values, cultural assumptions, and biases in relation to those held by other individuals, cultures, and societies.

DEPTH, BREADTH, AND INTEGRATION OF LEARNING

Graduates will develop depth, breadth, and integration of learning for the benefit of themselves, their communities, their employers, and for society at large.

Example learning outcomes: Graduates may demonstrate depth, breadth, and integration of learning:

- Through broad study in the sciences and mathematics, social sciences, humanities, history, languages, and the arts.
- By demonstrating a depth of knowledge within the chosen academic field of study based on integration of its history, core methods, techniques, vocabulary, and unsolved problems.
- By applying the concepts of the general and specialized studies to personal, academic, service learning, professional, and/or community activities.
- By understanding how the methods and concepts of the chosen discipline (major) relate to those of other disciplines and by engaging in cross-disciplinary activities.
- By synthesizing multiple bodies of knowledge to address real-world problems and issues.
- By reflecting upon changes in learning and outlook over time and by making personal, professional, and civic plans based on that self-reflection.

The University Common Requirements (UCORE) Program

WSU's general education program is structured by the University Common Requirements (UCORE). The University Common Requirements help students acquire foundational skills and a broad knowledge of the world that complements their specific areas of study. Through this broad exposure to multiple disciplines, students develop intellectual and civic competencies, practical skills and the ability to apply knowledge and skills in real-world settings. WSU graduates are prepared to address diverse, complex issues for the benefit of themselves, their communities, their employers, and for society at large.

The University Common Requirements (UCORE) constitute the center of the undergraduate curriculum. The faculty developed these graduation requirements to advance student achievement of the learning outcomes of WSU's Learning Goals of Undergraduate Education. While the greater part of students' courses of study is devoted to their major field(s), the UCORE curriculum equips students with a broad set of skills applicable to coursework in all majors and highly sought by employers. Accordingly, the program offers a wide variety of elective choices and provides many individual pathways through the curriculum, including introductory, advanced, and integrative forms of learning.

The UCORE program is structured by four broad categories that are divided into ten requirements. Only courses approved by the UCORE committee fulfill the ten requirement areas. The program is bookended by a required first-year course [ROOT] and a senior capstone experience [CAPS]. Foundational courses and inquiry-based learning in the disciplines are complemented by a diversity requirement that embraces both American and global issues. The program's structure includes coursework in contemporary issues, social sciences, humanities, creative or professional arts, quantitative reasoning, natural sciences, diversity, and communication, to support achievement of WSU's Learning Goals of Undergraduate Education.

The University Common Requirements (UCORE) apply to all students who enter WSU with three exceptions: (1) Honors students complete the Honors College version of the general education curriculum outlined in the Honors section of this catalog. (2) A transferable A.A. degree from a community college in Washington, Oregon, Idaho, California, Arizona, or Hawaii satisfies lower-division UCORE requirements for transfer students (this excludes the [CAPS] requirement). (3) Continuing students who entered before fall 2013 and have been continuously enrolled must meet the requirements of the 2009 WSU Catalog, though they may elect to change to UCORE. Former students who return should consult Academic Regulation 110 for the appropriate set of graduation requirements.

To select courses and to plan an individual pathway through the UCORE program, match courses in the WSU Catalog (<http://catalog.wsu.edu>) to requirements using the [bracketed notation] that appears in the list below. Of the 34 total credits, only three courses (3 or 4 credits each) may be taken within the major. Some majors may require specific courses in UCORE categories. Please check with an academic advisor for more information.

UCORE Curriculum

FIRST-YEAR EXPERIENCE	Credits
Roots of Contemporary Issues - HISTORY 105 [ROOT] ¹	3
FOUNDATIONAL COMPETENCIES	
Quantitative Reasoning [QUAN]	3
Communication [COMM] [WRTG] ²	6
WAYS OF KNOWING	
Inquiry in the Social Sciences [SSCI]	3
Inquiry in the Humanities [HUM]	3
Inquiry in the Creative and Professional Arts [ARTS]	3
Inquiry in the Natural Sciences [BSCI] [PSCI] [SCI] ³	7 or 8
DIVERSITY	
Diversity [DIVR]	3
INTEGRATIVE LEARNING	
Integrative Capstone [CAPS]	3
Total Required Semester Credit Hours	34 or 35 cr.

¹ Transfer students with 45 credits or more but without a direct transfer AA degree (DTA) will complete HISTORY 305 for this requirement.

² At least 3 credits must be in writing [WRTG] and three additional credits may be in either [WRTG] or [COMM].

³ At least 3 credits in Biological Science [BSCI] and 3 credits in Physical Science [PSCI] plus 1 additional lab hour, or 8 credits of [SCI] designated courses.

General Rules

- No course designated as a University Common Requirement (UCORE) can be taken on a pass, fail basis. All UCORE-designated courses must be letter-graded (i.e., A, B, C, D, and F), with only a few exceptions for a limited number of CAPS courses, which carry S,F grading. While some courses with a UCORE designation can be taken on a pass/fail basis as electives or to fulfill major requirements, *they will not satisfy UCORE requirements if not taken for a letter grade.*
- A maximum of three (3 or 4 credit) UCORE courses may be taken within the major. For the purpose of this limitation, three 1-credit UCORE courses may be combined to count for a single 3-credit UCORE course.
- Quantitative Reasoning [QUAN]: This requirement can be satisfied by passing a designated course or courses in mathematics, through satisfactory performance on the Advanced Placement examination, or by passing a calculus course beyond Math 171.
- A course from another institution that articulates (transfers) as a direct equivalent to a UCORE category will satisfy a UCORE category requirement if it is at least two (2) credits for a three (3) credit requirement, and three (3) credits for a four (4) credit requirement. The total UCORE credits must be no fewer than thirty-four (34), and no category may be more than one (1) credit short of the total category requirement (e.g., no less than five [5] credits for the COMM category, no less than six [6] for BSCI + PSCI or SCI). Courses taken at WSU do not fall under this policy (two one-credit WSU courses will not fulfill a three-credit requirement; one two-credit WSU course will not fulfill a three-credit requirement).

Transfer Students: Two full years of credit and completion of lower-division University Common Requirements normally will be granted to students who have been awarded the Direct Transfer Associate (AA) degree from a Washington community college. The Associate of Arts—Oregon transfer degree from an Oregon community college guarantees completion of the lower-division University Common Requirements, but does not guarantee junior standing or 60 semester credits. Certain approved associate's degrees from Arizona, California, Hawaii, and Idaho may also be considered to have fulfilled the lower-division University Common Requirements for graduation, but do not guarantee junior status (60 semester credits). For details on specific degrees consult the Office of Admissions.

Transfer students will still be responsible for meeting the other requirements for graduation, including those in the college and major department. The University Writing Portfolio and the upper-division Integrated Capstone [CAPS] are not lower-division requirements and therefore cannot be satisfied by the approved AA or AS degrees. Please note that other kinds of degrees from community colleges, or degrees from states other than Washington, Oregon, Idaho, California, Hawaii and Arizona, do not automatically fulfill University Common Requirements. See Academic Regulation 6 for further details.

UCORE Categories and Course Lists

FIRST-YEAR EXPERIENCE

Roots of Contemporary Issues [ROOT]

Roots of Contemporary Issues is among the first courses students will take at WSU. It provides a strong intellectual foundation for college learning upon which students can build for the rest of their careers by introducing students to five of the university's seven learning goals: critical and creative thinking; information literacy; communication; diversity, and integration of learning. The course accomplishes this through an examination of the history of global issues that affect human life on the planet in the 21st century, including environmental change, globalization, inequality, competing systems of knowledge, and conflict. The course includes multiple cultural, political, and disciplinary perspectives so that students engage with the diversity of the human experience, across both time and space.

HISTORY 105	Roots of Contemporary Issues
HISTORY 305	Roots of Contemporary Issues for Transfer Students

FOUNDATIONAL COMPETENCIES

Quantitative Reasoning [QUAN]

QUAN courses broaden students' understanding of and appreciation for mathematical reasoning while at the same time giving them a skill set that will be of value to everyday life. These courses advance the fundamentals of quantitative reasoning; develop skills for interpreting and evaluating quantitative representations (charts, graphs, algorithms, etc.); and promote identification of the strengths and weaknesses of quantitative methods for representing and solving problems.

CPT S 111	Introduction to Algorithmic Problem Solving
ECONS 335	Business Finance Economics
ENGR 107	Introductory Mathematics for Engineering Applications
FIN 223	Personal Finance
MATH 105	Exploring Mathematics
MATH 140	Mathematics for Life Scientists
MATH 171	Calculus I
MATH 202	Introduction to Mathematical Analysis
MATH 252	Fundamentals of Elementary Mathematics II
PHIL 201	Introduction to Formal Logic
PSYCH 311	Elementary Statistics in Psychology
STAT 205	Statistical Thinking
STAT 212	Introduction to Statistical Methods

Communication: Written Communication [WRTG] and Communication [COMM]

—**Writing** WRTG courses require students to develop and express ideas clearly, concisely, and effectively in writing. Using strategic assignments and aligned evaluation criteria, WRTG courses develop a student's understanding of the principles and elements of effective written communication through extensive applied practice, self-evaluation, and revision.

ENGLISH 101	College Composition
ENGLISH 105	College Composition for Multilingual Writers
ENGLISH 201	Writing and Research
ENGLISH 298	Writing and Research Honors
ENGLISH 301	Writing and Rhetorical Conventions
ENGLISH 402	Technical and Professional Writing
ENGLISH 403	Technical and Professional Writing ESL
PHIL 200	Critical Thinking and Writing

—**Communication** COMM courses focus on non-written mediums, such as public speaking, conversational foreign language, interpersonal communication, visual literacy, multimedia authoring, and intercultural communication. These courses require students to develop and express ideas clearly, concisely, and effectively in media beyond purely written communication in ways that creatively adapt content and conventions to diverse contexts, audiences, and purposes. Development of communication abilities may involve working with a variety of technologies, such as mixing texts, data, and images. It also may involve oral presentations and discourse, such as public speaking, small-group interaction, one-on-one conversation, and active listening. All COMM courses develop a student's understanding of the principles and elements of effective communication through extensive applied practice, self-evaluation, and revision.

COM 102	Communication in an Information Society
COM 210	Multimedia Content Creation
COM 400	Communicating Science and Technology
ENGLISH 106	Communicating in Academic Contexts
FRENCH 361	Advanced French for the Professions
GERMAN 361	German for the Professions
H D 205	Communication in Human Relations
MKTG 279	Professional Persuasive Communications
NEUROSCI/MBIOS 201	Introduction to Communication in the Molecular Life Sciences

FOUR WAYS OF KNOWING: Social Sciences, Humanities, Creative and Professional Arts, and Natural Sciences

Inquiry in the Social Sciences [SSCI]

SSCI courses teach students how social sciences apply empirical principles and methods to understand human beings as social agents in cultural, group, and individual contexts. They do so by familiarizing students with the methods of inquiry appropriate to the discipline as well as the key concepts and major paradigms in the social sciences. Students in SSCI courses learn to identify and understand relevant source material and to evaluate empirical research and conceptual theories, often by analyzing current issues through the lens of social science disciplines.

AFS 336	Agriculture, Environment, and Community
ANTH 130	Great Discoveries in Archaeology
ANTH/WOMEN ST 214	Gender and Culture in America
ANTH 302	Childhood and Culture
ANTH 304	Cross-Cultural Perspectives of Mental Health and Illness
ANTH 309	Cultural Ecology
ANTH 331/CES 376	America before Columbus
CES 131	Introduction to Black Studies
CES 171	Introduction to Indigenous Studies
CES 244	Critical Globalizations
CES 254	Comparative Latino/a Cultures
CES 308	Cultural Politics of Sport
CES 335/HISTORY 313	Black Freedom Struggle
COM 101	Media and Society
CRM J 101	Introduction to the Administration of Criminal Justice

ECONS 101	Fundamentals of Microeconomics
ECONS 102	Fundamentals of Macroeconomics
HBM 235	Travel, Society, and Business
H D 101	Human Development Across the Lifespan
H D/WOMEN ST 204	Family Interactions
H D 334	Principles of Community Development
POL S 101	American National Government
POL S 102	Introduction to Comparative Politics
POL S 103	International Politics
PSYCH 105	Introductory Psychology
SOC 101	Introduction to Sociology
SOC 102	Social Problems
SOC 332	Society and Environment

Inquiry in the Humanities [HUM]

The humanities grapple with the human condition in all of its complexity through time and across cultures. The humanities include knowledge of American and world history, philosophical traditions, major religions, diverse cultural legacies, literature, film, and music. As fields of study, the humanities emphasize analysis, interpretation, and reflection. They also engage centrally with questions of meaning and purpose. Students in HUM courses are introduced to the basic theories of interpretation in the humanities as well as to key texts, monuments, artifacts, or episodes within humanistic traditions or disciplines. These courses help students develop the ability to construct their own artistic, literary, philosophical, religious, linguistic, or historical interpretations.

ANTH 201	Art and Society
CES 111	Introduction to Asian Pacific American Studies
CES 151	Introduction to Chicano/Latino Studies
CES 209	Hip Hop Around the Globe
CES/ENGLISH 220	Introduction to Multicultural Literature
CES/HISTORY/ WOMEN ST 235	African American History
CES 260	Race and Racism in US Popular Culture
CES 313/ENGLISH 311	Asian Pacific American Literature
CHINESE/ASIA 121	Modern Chinese Culture
COM 105	Communication in Global Contexts
ENGLISH 108	Introduction to Literature
ENGLISH 110	Reading Now
ENGLISH 112	Language in the Real World
ENGLISH 205	Introduction to Shakespeare
ENGLISH 210	Readings in American Literature
ENGLISH 305	Shakespeare
ENGLISH 366	The British Novel to 1900
ENGLISH 368	The American Novel to 1900
ENGLISH 372	19th Century Literature of the British Empire and the Americas
FOR LANG 102	Humanities in the Ancient World
FOR LANG/ HUMANITY 130	Global Literature in Translation
FRENCH 110	French/Francophone Film
FRENCH 120	French Culture
FRENCH 320	French/Francophone Culture
GERMAN 120	Germanic Culture
GERMAN 320	German Culture
HISTORY 101	Classical and Christian Europe
HISTORY 102	Modern Europe
HISTORY 110	American History to 1877
HISTORY 111	American History Since 1877
HISTORY 121	World History II
HISTORY 230	Latin America, The Colonial Period
HISTORY 231	Latin America, The National Period
HISTORY 331	Latin American Cultural History
HISTORY 340	Ancient Greece
HISTORY 341	Ancient Rome
HISTORY 355	History of European Popular Culture
HISTORY/ASIA 373	Chinese Civilization
HISTORY/ASIA 374	Japanese Civilization
HISTORY 382	History of Science and Technology Since Newton
HISTORY 418	United States, 1914-1945

HISTORY 419	United States, 1945-Present
HISTORY 432	20th Century Latin America
HISTORY 440	The Early Middle Ages, 330-1050
HISTORY 447	Europe in the French Revolutionary and Napoleonic Era, 1789 to 1815
	Europe Since 1945
HISTORY 450	Age of Empire: Europe, 1871-1914
HISTORY 454	Humanities in the Ancient World
HUMANITY 101	Mythology
HUMANITY 103	Humanities in the Middle Ages and Renaissance
HUMANITY/FOR LANG 302	Humanities in the Modern World
HUMANITY/FOR LANG 304	Modern Japanese Culture
JAPANESE/ASIA 123	Exploring Meaning in Sport and Movement
KINES 201	Native Music of North America
MUS 265/CES 271	History of Music: Antiquity to 1650
MUS 359	History of Music: 1650 - 1850
MUS 360	History of Music: 1850 - Present
MUS 361	Introduction to Philosophy
PHIL 101	Introduction to Ethics
PHIL 103	Philosophy of Religion
PHIL 207	Philosophy in Film
PHIL 210	Philosophy of Food
PHIL 220	Islam in Theory and Practice
PHIL/ASIA 280	Philosophies and Religions of India
PHIL/ASIA 314	Philosophies and Religions of China and Japan
PHIL/ASIA 315	Business Ethics
PHIL 360	Biomedical Ethics
PHIL 365	Environmental Ethics
PHIL 370	Peninsular Spanish Culture
SPANISH 120	Latin American Culture
SPANISH 121	Diverse Sexualities and Cultural Production
WOMEN ST/ENGLISH 211	Women and Popular Culture
WOMEN ST 338	

Inquiry in the Creative and Professional Arts [ARTS]

Creative expression is a fundamental human activity that results in the production of objects, environments, and experiences that engage the senses, emotions, and/or intellect. The creative and professional arts offer direct participation in such activities while providing a framework for their interpretation, evaluation, and appreciation. In this category the domain of the arts is broadly defined to include not only the fine arts and performing arts, but also the professional arts, such as architecture, graphic design, and digital arts. Some ARTS courses ask students to perform, produce, fabricate or generate an aesthetic object, installation, presentation, composition, performance, or other creative work. Other ARTS courses ask students to critically analyze, interpret, or evaluate the creative activities or accomplishments of others, past or present. In both types of courses, students also demonstrate that their creative or interpretive analysis is grounded in existing historical, critical, or methodological scholarship.

AMDT 408	Visual Analysis and Aesthetics
ANTH 301	Arts and Media in Global Perspective
DTC 101	Introduction to Digital Technology and Culture
	Tools and Methods for Digital Technology
DTC 201	Topics in Film as Literature
ENGLISH 339	Documentary Film Theory and Production
ENGLISH 342	Introduction to Art
FINE ART 101	Visual Concepts I
FINE ART 102	Visual Concepts II
FINE ART 103	Drawing
FINE ART 110	World Art History I
FINE ART 201	World Art History II
FINE ART 202	Modern Art - 19th Century
FINE ART 303	Arts of Ancient Greece and Rome
FINE ART 305	The Arts of Renaissance Europe
FINE ART 307	Ceramics
FINE ART 340	Sculpture
FINE ART 350	The Mexican Revolution and the Arts
HISTORY 232	Modern US History Through Film
HISTORY 320	Class Guitar
MUS 120	Musical Style in Composition
MUS 153	Survey of Music Literature
MUS 160	

MUS 161	Introduction to Theatre
MUS 163	World Music
MUS 262	Rock Music: History and Social Analysis
MUS 266	Film Music
MUS 428	Opera Workshop
MUS 429	Tenor/Bass Choir
MUS 430	Treble Choir
MUS 431	Concert Choir
MUS 432	University Singers
MUS 433	Vocal Ensembles
MUS 434	Symphony Orchestra
MUS 436	Symphonic Band
MUS 437	Wind Symphony
MUS 438	Jazz-Lab Band
MUS 439	Vocal Jazz Ensemble
SDC 100	World of Design and Construction
SPANISH 110	Peninsular Spanish Film
SPANISH 111	Latin American Film
WOMEN ST 369/CES 309	Queer Identities in Contemporary Cultures

Inquiry in the Natural Sciences [BSCI] [PSCI] [SCI]

Science is an approach to asking and answering questions about the natural world. Scientific inquiry uses empirical observations to formulate logical conclusions supported by the evidence. Scientific inquiry also develops evidence-based arguments to advance knowledge within the scientific community. All courses in the natural sciences categories actively engage students in rigorous study of scientific problems. They emphasize science as a process and help students develop a knowledge-based framework by which to make judgements about current issues as scientifically informed citizens.

Courses that fulfill the lab requirement are marked with (L).

— Biological Sciences [BSCI]

ANIM SCI 205	Companion Animal Nutrition
ANTH 260	(L) Introduction to Biological Anthropology
ANTH 268	Sex, Evolution, and Human Nature
ANTH 381	Primate Behavioral Ecology
BIOLOGY 101	Direction in Biological Sciences
BIOLOGY 102	(L) General Biology
BIOLOGY 106	(L) Introductory Biology: Organismal Biology
BIOLOGY 107	(L) Introductory Biology: Cell Biology and Genetics
BIOLOGY 110	Scientific Perspective on Global Issues
BIOLOGY 111	(L) Laboratory Experiments in Biology and Genetics
BIOLOGY 120	(L) Introduction to Botany
BIOLOGY 125	Genetics and Society
BIOLOGY 135	Animal Natural History
BIOLOGY 140	Introduction to Nutritional Science
BIOLOGY 150	Evolution
BIOLOGY 298	(L) Honors Biology for Non-Science Majors
BIOLOGY 308	Marine Biology
BIOLOGY 333	Human Nutrition and Health
BIOLOGY/WOMEN ST 407	Biology of Women
ENTOM 101	Insects and People: A Perspective
ENTOM 102	(L) Insects, Infection and Illness: Medical Entomology for Non-Science Majors
ENTOM 103	(L) Discover Insects: A Laboratory Course for Non-Science Majors
ENTOM 150	(L) Insects, Science, and World Cultures
ENTOM 201	Science in the Public Eye
ENVR SCI 101	(L) Environment and Human Life
FS 201	Science on Your Plate
HORT 150	(L) Science and Art of Growing Plants
MBIOS 101	(L) Introductory Microbiology
MBIOS 320	DNA and Society
NEUROSCI 150	Art and the Brain
PL P 150	Molds, Mildews, Mushrooms: The Fifth Kingdom
PSYCH 372	Biological Basis of Behavior
SOIL SCI 201	Soil: A Living System

— Physical Sciences [PSCI]

ASTRONOM 135	(L) Astronomy
ASTRONOM 138	Planets and Planetary Systems
ASTRONOM 150	Science and the Universe
ASTRONOM 390	(L) The Night Sky
CHEM 101	(L) Introduction to Chemistry
CHEM 105	(L) Principles of Chemistry I
ENVR SCI 102	Natural Resources and Natural Hazards
ENVR SCI 250	Introduction to Earth System Science
GEOLOGY 101	(L) Introduction to Geology
GEOLOGY 103	Other Worlds: Comparative Planetology of our Solar System
GEOLOGY 210	(L) Earth's History and Evolution
GEOLOGY 230	Introductory Oceanography
PHYSICS 101	(L) General Physics
PHYSICS 102	(L) General Physics
PHYSICS 137	Physics and Society
PHYSICS 150	Physics and Your World
PHYSICS 201	(L) Physics for Scientists and Engineers I
PHYSICS 202	(L) Physics for Scientists and Engineers II
PHYSICS 205	(L) Physics for Scientists and Engineers I - Honors
PHYSICS 206	(L) Physics for Scientists and Engineers II - Honors

— Sciences [SCI]

AMDT 210	(L) Textiles
SCIENCE 101	(L) Origins in the Natural World
SCIENCE 102	(L) Dynamic Systems in the Natural World

DIVERSITY

Diversity [DIVR]

Diversity courses introduce students to cultural differences and similarities by exploring the multiplicity of individual and group experiences within and across various historical periods, societies, and cultures. This exploration contributes to stronger, more complex cross-cultural understanding and communication, helping students engage various social and cultural contexts and interactions using knowledge, critical thinking, and flexibility in perspective. DIVR courses also encourage students to ask more complicated questions about cultural systems and systems of power, and to pursue answers that reflect multiple cultural and intellectual perspectives.

AMDT 417	Social and Psychological Aspects of Dress
AMER ST 475*	Digital Diversity
ANTH 101	General Anthropology
ANTH 203	Peoples of the World
ANTH 307	Contemporary Cultures and Peoples of Africa
ANTH/WOMEN ST 316	Gender in Cross Cultural Perspective
ANTH 327/CES 378	Contemporary Native Peoples of the Americas
ANTH/FOR LANG 350	Speech, Thought, and Culture
ASIA 301	East Meets West
ASIA 322*	Ecology in East Asian Cultures
CES 101	Introduction to Comparative Ethnic Studies
CES 291	Anti-Semitism
CES 325	Traveling Cultures: Tourism in Global Perspective
CHINESE 111*	Asian Film
CHINESE 131*	Masterpieces of Asian Literature
COMSOC 321	Intercultural Communication
COUN PSY 457	Chicano/a Latino/a Psychology
CRM J 205	Realizing Justice in a Multicultural Society
DTC 206	Digital Inclusion
ENGLISH 322/CES 332	Topics in African American Literature
ENGLISH 362	Rhetorics of Racism
ENGLISH 489	20th/21st Century British and Postcolonial Literatures
FOR LANG 101	Introduction to the World of Languages
FOR LANG 120	Introduction to Foreign Cultures

FOR LANG/ASIA 220	Global Issues, Regional Realities	ANIM SCI 472	Dairy Cattle Management
H D 350	Family Diversity	ANIM SCI 474	Beef Cattle Production
HISTORY 120	World History I	ANTH 404	The Self in Culture
HISTORY 130	History of Organized Crime in America	ANTH 490	Integrative Themes in Anthropology
HISTORY 150	Peoples of the United States	ARCH 403	Comprehensive Design Studio I
HISTORY/ASIA 270	India: History and Culture	ASTRO 450	Life in the Universe
HISTORY/ASIA 271	Southeast Asian History: Vietnam to Indonesia	BIO ENG 411	Engineering Capstone Project II
HISTORY/ASIA 272	Introduction to Middle Eastern History	BIOLOGY 401	Plants and People
HISTORY/ASIA 273	Foundations of Islamic Civilization	BIOLOGY 408	Contemporary Genetics
HISTORY 274	Introduction to African History	BIOLOGY 483	Organisms and Global Change
HISTORY/ASIA 275	Introduction to East Asian Culture	BIOLOGY 485	Biology of the Oceans
HISTORY/WOMEN ST 298	History of Women in American Society	CE 465	Integrated Civil Engineering Design
HISTORY 308/CES 375	North American Indian History, Precontact to Present	CES 405/ENGLISH 410	Cultural Criticism and Theory
HISTORY 314/CES 304	American Roots: Immigration, Migration, and Ethnic Identity	CES 440	Global Social Justice
HISTORY 321	US Popular Culture, 1800 to 1930	CES/WOMEN ST 489	Everyday Struggles for Justice and Equality
HISTORY 322	US Popular Culture Since 1930	CHE 451	Chemical Process Analysis and Design II
HISTORY/WOMEN ST 335	Women in Latin American History	CHEM 485	Senior Thesis in Chemistry
HISTORY/WOMEN ST 398	History of Women in the American West	COM 471	Stereotypes in Communication
HISTORY/WOMEN ST 399	Lesbian and Gay History: Culture, Politics and Social Change in the US	COMSOC 421	Intercultural Communication and Globalization
HISTORY/ASIA 477	Modern Japanese History	CPT S 423	Software Design Project II
JAPANESE 120*	Traditional Japanese Culture	CRM J/WOMEN ST 403	Violence Toward Women
JAPANESE 320*	Issues in East Asian Ethics	CROP SCI 435	Interdisciplinary Solutions in the Plant Sciences
MUS 362	History of Jazz	CS 420	Software Engineering in Practice
MUS/WOMEN ST 363	Women in Music	CST M 475	Senior Capstone
NATRS 312	Natural Resources, Society, and the Environment	E E 416	Electrical Engineering Design
SOC/WOMEN ST 251	The Sociology of Sex, Relationships, and Marriage	ECE 452	Capstone Design II
SOC 340	Social Inequality	ECONS 490	Economics Capstone
SOC/WOMEN ST 351	The Family	ENGLISH 415	Traditions of Comedy and Tragedy
SOC 361	Criminology	ENGLISH 494	Advanced Topics in Literature
SPANISH 321	Latin American Cultures	ENGR 421	Multidisciplinary Engineering Design II
SPMGT 101	Sport and Popular Culture: Trends and Issues	ENGR 431	Interdisciplinary Design II
WOMEN ST 101	Gender and Power: Introduction to Women's Studies	ENTRP 492	Small Business Policy
WOMEN ST/CES 120	Sex, Race, and Reproduction in Global Health Politics	ENVR SCI 404	The Ecosystem
WOMEN ST 220	Gender, Culture, and Science	FINE ART 408	Art History Thesis
WOMEN ST 300*	Intersections of Race, Class, Gender, and Sexuality	FINE ART 498	Contemporary Issues Seminar
WOMEN ST/SOC 484	Lesbian and Gay Studies	FOR LANG 410	Advanced Topics in Global Cinema
		FRENCH 410	French Film in Translation
		FRENCH 420	French Culture Through Wine
		FRENCH 430	Topics in French/Francophone Literature in Translation
		FS 489	Food Product Development
		GEOLOGY 408	Field Geology
		GERMAN 420	Socio-Cultural History of the German Language
		HBM 493	Food and Beverage Strategies
		HBM 495	Case Studies and Research
		H D 403	Families and Poverty
		H D 415	Peak Experiences in Leadership
		HISTORY 409	American Environmental History
		HISTORY 417	Rise of Modern America
		HISTORY 435	European Expansion Overseas, 1400-1800
		HISTORY 436	Imperialism in the Modern World
		HISTORY 444	The Renaissance
		HISTORY/ASIA 474	Modern South Asia: Community and Conflict
		HISTORY 483	Medicine, Science, and Technology in World History
		HISTORY 492	Cultural Appetites: Food in World History
		HISTORY 495	Space, Place, and Power in History: Historical Geography in Global Perspective
		HORT 425	Trends in Horticulture
		I D 426	Interior Design Studio VII
		KINES 484	Exercise Prescription and Medical Conditions
		LND ARCH 485	Senior Comprehensive Project
		MATH 432	Mathematics for College and Secondary Teachers
		MATH 464	Linear Optimization
		MBIOS 494	Senior Project in Molecular Biosciences

*offered under several course subjects; see the catalog description for details.

INTEGRATIVE LEARNING

Integrative Capstone [CAPS]

Integrative capstone courses bring opportunities for integration, application, and closure to the undergraduate experience, and prepare students for post-baccalaureate work and life-long learning. Intended to be taken in the final year of a student's degree, the CAPS courses serve as a culminating experience for students to demonstrate achievement of the university's undergraduate learning goals. CAPS courses may occur within or outside the major, depending on the requirements of a student's major field of study. Many CAPS courses ask students to demonstrate a depth of knowledge within their chosen academic field of study that integrates its history, core methods, techniques, vocabulary, and unsolved problems. Other CAPS courses require students to apply concepts from their general and specialized studies to personal, academic, service learning, professional, and/or community activities. Other CAPS courses ask students to demonstrate how the methods and concepts of a chosen discipline relate to those of other disciplines through engaging in cross-disciplinary activities. Each type of CAPS course typically involves the production of a major project that demonstrates the student's cumulative learning toward the bachelor's degree.

AFS 401	Advanced Systems Analysis and Design in Agricultural and Food Systems
AMDT 413	Global Sourcing
ANIM SCI 464	Companion Animal Management

ME 416	Mechanical Systems Design
MECH 417	Mechanical Systems Design II
MGMT 491	Business Strategy and Policy
MUS 461	The Musician in Society: Philosophies and Practices, 1850 - Present
NATRS 454	Restoration Ecology
NEP 495	Interprofessional Capstone in Nutrition and Exercise Physiology
NEUROSCI 490	Senior Project
NURS 430	Senior Practicum
NURS 495	Nursing Practice: Advanced Clinical Practicum
PHIL 413	Mind of God and the Book of Nature: Science and Religion
PHIL 442	Philosophy of Mind
PHYSICS 408	Physics and Society
POL S 428	Issues in Political Psychology
POL S 430	The Politics of Natural Resource and Environmental Policy
PSYCH 412	Psychological Testing and Measurement
SHS 480	Senior Seminar
SOC 415	Globalization
SOC 495	Internship Capstone
SOC 496	Capstone - From Theory to Practice: The Sociology of Service
SOC 497	Capstone Research Practicum
SPANISH 420	Cultural Topics
SPMGT 489	Theory and Application in Sports Event Management
TCH LRN 490	Advanced Practicum

