WSU's Learning Goals of Undergraduate Education

Bachelor's degree requirements are rooted in the University's 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 example outcomes listed under each goal provide a model set of learning outcomes through which students can demonstrate achievement of the goals, whether in general education courses or courses in the major.

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, including 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.
4. Analyzing and critiquing the cultural and social underpinnings of knowledge claims about individuals and groups and their relations to one another.
5. 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...

1. Through broad study in the sciences and mathematics, social sciences, humanities, history, languages, and the arts.
2. 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.

3. By applying the concepts of the general and specialized studies to personal, academic, service learning, professional, and/or community activities.
4. 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.
5. By synthesizing multiple bodies of knowledge to address real-world problems and issues.
6. 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 eleven requirements. Only courses approved by the UCORE committee fulfill the eleven 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 two exceptions: (1) Honors students complete the Honors College version of the general education curriculum outlined in the Honors section of this catalog. (2) The Direct Transfer Agreement (DTA) associate's degree from a Washington state public community college and certain approved out-of-state associate degrees with a general education curriculum that approximates the disciplinary breadth of the UCORE curriculum will satisfy the lower-division UCORE requirements for students with transfer credit (this excludes the [CAPS] requirement). 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 Arts [ARTS]	3
Inquiry in the Natural Sciences [BSCI] [PSCI] [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 agreement (DTA) or other approved associate's degree 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 7 credits comprised of one course in Biological Science [BSCI] and one course in Physical Science [PSCI], including one lab. Students in the College of Arts and Sciences complete one additional lab credit for a total of 8 semester credits.

General Rules

- 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*** (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.
- 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 Communication category, no less than six [6] for the Natural Sciences category). 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).
- Capstone courses are taken in residence.

Transfer Students: Junior standing (60 semester credits) and completion of lower-division University Common Requirements normally will be granted to students who have been awarded the Direct Transfer Agreement (DTA) associate's degree from a Washington state public community college. Certain approved out-of-state associate degrees with a general education curriculum that approximates the disciplinary breadth of the UCORE curriculum will satisfy the lower-division UCORE requirements for students with transfer credit, 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 Integrative Capstone [CAPS] are not lower-division requirements and therefore cannot be satisfied by the approved AA or AS degrees. Please note that other degrees without a general education curriculum that approximates the disciplinary breadth of the UCORE curriculum 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]

As the academic centerpiece of WSU's First-Year Experience, Roots of Contemporary Issues (HIST 105 or 305) provides a strong intellectual foundation for college learning, which students can build upon for the rest of their careers. Roots of Contemporary Issues (RCI) introduces students to five learning goals: critical and creative thinking; information literacy; communication; diversity; and integration of learning. The course examines the historical roots of global issues that affect human life in the 21st century, including environmental change, globalization, inequality, competing systems of knowledge, and conflict.

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

FOUNDATIONAL COMPETENCIES

Ideally, these are completed in the student's first year, as they provide fundamental skills for academic and career success.

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	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-designated courses emphasize non-written mediums, such as public speaking, conversational foreign language, interpersonal communication, visual literacy, multimedia authoring, or intercultural communication.

These courses require students to develop and express ideas clearly, concisely, and effectively in media beyond written communication alone. Students develop skills in creatively adapting content and conventions to diverse contexts, audiences, and purposes, and skillfully using high-quality, credible, relevant sources to develop ideas that are appropriate for the presentation or other communication, as envisioned in the Information Literacy learning goal.

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, as well as listening actively. These skills will allow students to increase knowledge, foster understanding, or promote change in audiences' attitudes or behaviors.

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
SOC 103	Social Psychology of Communication

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

In completing the series of Inquiry courses, students gain broad exposure to and comfort with critical and creative thought processes across a variety of disciplinary areas. By asking and attempting to answer the "big questions" in a variety of disciplines, students learn how to generate, evaluate, disseminate and apply knowledge within those disciplinary contexts and beyond.

The organization of these requirements into these four broad areas—natural sciences, social sciences, humanities, and arts—ensures that students engage with a wide variety of methods of scholarly inquiry (e.g., rhetorical, aesthetic, ethnographic, historical, scientific, and qualitative).

Inquiry in the Social Sciences [SSCI]

Inquiry in the Social Sciences teaches students how social sciences apply empirical principles and methods to understand human beings as social agents in cultural, group, and individual contexts. Courses familiarize students with the methods of inquiry appropriate to the discipline as well as the key concepts and major paradigms in the social sciences.

AFS 336	Agriculture, Environment, and Community
ANTH 130	Great Discoveries in Archaeology
ANTH 205	Health, Healing, and Medicine Across Cultures
ANTH 302	Childhood and Culture
ANTH 304	Cross-Cultural Perspectives of Mental Health and Illness
ANTH 305	Anthropology of Epidemic Disease and Bioterrorism
ANTH 309	Cultural Ecology
ANTH/AIS 331	Archaeology of the Americas
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
ENGLISH 256	Introduction to the Study of Language
ENGLISH 457	Sociolinguistics
H D 101	Human Development Across the Lifespan
H D 204	Family Interactions
H D 334	Principles of Community Development
HBM 235	Travel, Society, and Business

HISTORY/ASIA 479	History of East Asian Economic Development Since 1945
NEP 200	Place and Health
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, and contested questions. As fields of study, the humanities emphasize analysis, interpretation, and reflection rather than the direct creative expression of the arts. They engage centrally with questions of meaning and purpose, which serve as bridges of relevance between past, present and future.

ANTH 201	Art and Society
ANTH 355	Historical Linguistics
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 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
ENGLISH 373	20th and 21st Century Global Literatures in English
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	Introduction to Latin American History
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
HISTORY 450	Europe Since 1945
HISTORY 454	Age of Empire: Europe, 1871-1914
HUMANITY 101	Humanities in the Ancient World
HUMANITY 103	Mythology
HUMANITY 302	Humanities in the Middle Ages and Renaissance
HUMANITY 304	Humanities in the Modern World
JAPANESE/ASIA 123	Modern Japanese Culture
KINES 201	Exploring Meaning in Sport and Movement
LND ARCH 150	Landscapes of the Palouse
MUS 265/CES 271	Native Music of North America
MUS 359	History of Music: Antiquity to 1650
MUS 360	History of Music: 1650 - 1850
PHIL 101	Introduction to Philosophy
PHIL 103	Introduction to Ethics
PHIL 207	Philosophy of Religion
PHIL 210	Philosophy in Film
PHIL 220	Philosophy of Food
PHIL/ASIA 280	Islam in Theory and Practice
PHIL/ASIA 314	Philosophies and Religions of India
PHIL/ASIA 315	Philosophies and Religions of China and Japan
PHIL 360	Business Ethics
PHIL 365	Biomedical Ethics
PHIL 370	Environmental Ethics
SPANISH 120	Peninsular Spanish Culture
SPANISH 121	Latin American Culture
WOMEN ST/ENGLISH 211	Sex Matters: Introduction to Queer Culture and Literature
WOMEN ST 338	Gender, Race, and Popular Culture

Inquiry in the Arts [ARTS]

Creative expression, whether for personal expression or to communicate with others, is a fundamental human activity that results in the production of objects, environments, and experiences that engage the senses, emotions, and/or intellect. Arts courses may offer direct participation in such activities while providing a framework for their interpretation, evaluation, and appreciation, past and present.

AMDT 408	Visual Analysis and Aesthetics
ANTH 301	Arts and Media in Global Perspective
DTC 101	Introduction to Digital Technology and Culture
DTC 201	Tools and Methods for Digital Technology
DTC 208	Introduction to Digital Cinema
ENGLISH 150	Introduction of Film as Narrative
ENGLISH 212	Introduction to Comics and Graphic Novels
ENGLISH 339	Topics in Film as Literature
ENGLISH 342	Documentary Film Theory and Production
FINE ART 101	Introduction to Art
FINE ART 102	Visual Concepts I
FINE ART 103	Visual Concepts II
FINE ART 110	Drawing
FINE ART 201	World Art History I
FINE ART 202	World Art History II
FINE ART 303	Modern Art - 19th Century
FINE ART 305	Arts of Ancient Greece and Rome
FINE ART 307	The Arts of Renaissance Europe
FINE ART 340	Ceramics
FINE ART 350	Sculpture
HISTORY 232	The Mexican Revolution and the Arts
HISTORY 320	Modern US History Through Film
MUS 120	Class Guitar
MUS 153	Musical Style in Composition
MUS 160	Survey of Music Literature
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/HISTORY 369	Queer Identities in Contemporary Cultures

Inquiry in the Natural Sciences [BSCI] [PSCI]

Science is an approach to asking and answering questions about the natural world that values empirical observation as a key foundation for developing theories that explain observations. Science articulates the processes that underlie the world around us. Inquiry using a scientific framework rests upon empirical observations (including experimentation); draws logical conclusions supported by such evidence; and articulates an evidence-based argument to advance those conclusions within the scientific community.

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	Biology of Humans
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
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
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 105	Meet Your Brain
NEUROSCI 150	Art and the Brain
PL P 150	Molds, Mildews, Mushrooms: The Fifth Kingdom
PSYCH 372	Biological Basis of Behavior
SCIENCE 102	(L) Integrated Science: Dynamic Systems in the Natural World
SOE 110	(L) The Environment, Human Life, and Sustainability
SOIL SCI 201	Soil: A Living System
SOIL SCI 202	(L) Introductory Soil Science Laboratory

— Physical Sciences [PSCI]

AMDT 210	(L) Textiles
ASTRONOM 135	(L) Astronomy
ASTRONOM 138	Planets and Planetary Systems
ASTRONOM 390	(L) The Night Sky
CHEM 101	(L) Introduction to Chemistry
CHEM 105	(L) Principles of Chemistry I
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
PHYSICS 322	(L) Sound Waves and Music
SCIENCE 101	(L) Integrated Science: Origins in the Natural World
SOE 101	(L) Introduction to Geology
SOE 103	Other Worlds: Comparative Planetology of our Solar System
SOE 105	Natural Resources and Natural Hazards
SOE 210	(L) Earth's History and Evolution
SOE 230	Introductory Oceanography
SOE 250	Introduction to Earth System Science
SOE 280	How the Earth's Climate System Works

DIVERSITY

Diversity [DIVR]

Diversity courses contribute to stronger, more complex cross-cultural understanding and communication by helping students engage various social and cultural contexts and interactions using knowledge, critical thinking, and a flexibility in perspective. Courses encourage students to ask deeper questions about cultural systems and systems of power, and to pursue answers that reflect multiple cultural and intellectual perspectives beyond personal experience.

AMDT 417	Social and Psychological Aspects of Dress
AMDT/WOMEN ST 422	Fat Studies
ANTH 101	Introduction to Anthropology
ANTH 203	Global Cultural Diversity
ANTH 307	Contemporary Cultures and Peoples of Africa
ANTH/WOMEN ST 316	Gender in Cross Cultural Perspective
ANTH/AIS 320	Native Peoples of North America
ANTH/AIS 327	Contemporary Native Peoples of the Americas
ANTH 350	Speech, Thought, and Culture
ASIA 301	East Meets West
ASIA 322*	Ecology in East Asian Cultures
BIOLOGY 307	Biology of Women
CES 101	Introduction to Comparative Ethnic Studies
CES 291	Anti-Semitism
CES 325	Traveling Cultures: Tourism in Global Perspective
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
DTC/AMER ST 475	Digital Diversity
ECONS 428	Global Capitalism Today: Perspectives and Issues
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 110	Introduction to Global Film
FOR LANG/ASIA 220	Global Issues, Regional Realities
H D 350	Family Diversity
HISTORY 120	World History I
HISTORY 130	History of Organized Crime in America
HISTORY 150	Peoples of the United States

HISTORY/ASIA 270	India: History and Culture
HISTORY/ASIA 271	Southeast Asian History: Vietnam to Indonesia
HISTORY/ASIA 272	Introduction to Middle Eastern History
HISTORY/ASIA 273	Foundations of Islamic Civilization
HISTORY 274	Introduction to African History
HISTORY/ASIA 275	Introduction to East Asian Culture
HISTORY/WOMEN ST 298	History of Women in American Society
HISTORY 308	North American Indian History, Precontact to Present
HISTORY 314	American Roots: Immigration, Migration, and Ethnic Identity
HISTORY 321	US Popular Culture, 1800 to 1930
HISTORY 322	US Popular Culture Since 1930
HISTORY/WOMEN ST 335	Women in Latin American History
HISTORY/WOMEN ST 398	History of Women in the American West
HISTORY/WOMEN ST 399	Lesbian and Gay History: Culture, Politics and Social Change in the US
HISTORY/ASIA 477	Modern Japanese History
JAPANESE 120/ASIA 122	Traditional Japanese Culture
JAPANESE 320*	Issues in East Asian Ethics
MUS 362	History of Jazz
MUS/WOMEN ST 363	Women in Music
SOC/WOMEN ST 251	The Sociology of Sex, Relationships, and Marriage
SOC 340	Social Inequality
SOC/WOMEN ST 351	The Family
SOC 361	Criminology
SOE 312	Natural Resources, Society, and the Environment
SPANISH 321	Latin American Cultures
SPMGT 101	Sport and Popular Culture: Trends and Issues
WOMEN ST 101	Introduction to Women's, Gender, and Sexuality Studies
WOMEN ST 120	Sex, Race, and Reproduction in Global Health Politics
WOMEN ST 220	Gender, Culture, and Science
WOMEN ST 300*	Intersections of Race, Class, Gender, and Sexuality
WOMEN ST/SOC 385	Introduction to Lesbian, Gay, Bisexual, and Transgender Studies

*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.

AG ED 407	Student Teaching in Agricultural Education
AFS 401	Advanced Systems Analysis and Design in Agricultural and Food Systems
AMDT 413	Global Sourcing
ANIM SCI 464	Companion Animal Management
ANIM SCI 472	Dairy Cattle Management
ANIM SCI 474	Beef Cattle Production
ANTH 404	The Self in Culture
ANTH 464	Hormones and Human Reproduction
ANTH 490	Integrative Themes in Anthropology
ARCH 403	Comprehensive Design Studio I
ASTRONOM 450	Life in the Universe
BIO ENG 411	Engineering Capstone Project II
BIOLOGY 401	Plants and People
BIOLOGY 408	Contemporary Genetics
BIOLOGY/ANTH 473	Evolution and Society
BIOLOGY 483	Organisms and Global Change
BIOLOGY 485	Biology of the Oceans
BIOLOGY 489	Synthesis and Communication of Independent Research
CE 465	Integrated Civil Engineering Design
CES 405/ENGLISH 410	Cultural Criticism and Theory
CES 440	Global Social Justice
CES 489	Everyday Struggles for Justice and Equality
CHE 451	Chemical Process Analysis and Design II
CHEM 485	Senior Thesis in Chemistry
COM 471	Stereotypes in Communication
COMSOC 421	Intercultural Communication and Globalization
CPT S 423	Software Design Project II
CRM J/WOMEN ST 403	Violence Toward Women
CRM J 480	Senior Capstone in Criminal Justice and Criminology
CROP SCI 435	Interdisciplinary Solutions in the Plant Sciences
CS 420	Software Design Project I
CST M 475	Senior Capstone
DATA 424	Data Analytics Capstone
DTC 497	Senior Seminar
E E 416	Electrical Engineering Design
ECE 452	Capstone Design II
ECONS 490	Economics Capstone
ENGLISH 415	Traditions of Comedy and Tragedy
ENGLISH 446	Form and Theory in Creative Writing: Prose and Poetry
ENGLISH 494	Advanced Topics in Literature
ENGR 421	Multidisciplinary Engineering Design II
ENGR 431	Interdisciplinary Design II
ENTRP 492	Small Business Policy
FINE ART 408	Art History Thesis
FINE ART 498	Contemporary Issues Seminar
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
GERMAN 420	Socio-Cultural History of the German Language
HBM 475	Senior Living Management Capstone
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/ASIA 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
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
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	Science and Religion
PHIL 442	Philosophy of Mind
PHIL 475	Zombie Apocalypse
PHYSICS 408	Physics and Society
POL S 428	Issues in Political Psychology
POL S 430	The Politics of Natural Resource and Environmental Policy
POL S 432	Comparative Public Policy
POL S 472	European Politics
PSYCH 401	Historical Development of Psychology
PSYCH 412	Psychological Testing and Assessment
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
SOE 404	The Ecosystem
SOE 408	Field Geology
SOE 454	Restoration Ecology
SOE 471	International Wildlife Conservation
SOE 477	Environmental Dispute Resolution and Conflict Management
SPANISH 420	Cultural Topics
SPMGT 489	Theory and Application in Sports Event Management
TCH LRN 490	Advanced Practicum
VIT ENOL 433	Critical Thinking in Vineyard and Winery Management
WOMEN ST 495	Re-Directions in Women's, Gender, and Sexuality Studies: Theory and Practice