
CHAPTER 5

GENERAL EDUCATION REQUIREMENTS



CORE LIBERAL ARTS AND SCIENCES STUDIES PROGRAM (CORE) General Education Program and Requirements

Office of the Dean for Undergraduate Studies
2130 Mitchell Building, (301) 405-9359
<http://www.inform.umd.edu/CORE>

A strong liberal education is critical for the development of effective leaders for the 21st century.
—Robert L. Hampton,
Associate Provost and Dean for Undergraduate Studies
University of Maryland

To earn a baccalaureate at the University of Maryland all students complete both a major course of study and a campus-wide general education program.

The Purpose of General Education

Participation in a democratic society requires more than the central instruction provided by one major field of study. In our world of rapid economic, social, and technological change, a strong and broadly-based education is essential.

General education helps students achieve the intellectual integration and awareness they need to meet challenges in their personal, social, political, and professional lives. General education courses introduce the great ideas and controversies in human thought and experience. These courses provide the breadth, perspective, and rigor that allow Maryland graduates to claim to be “educated people.”

Most Americans change their careers three times during their lifetime. A solid general education provides a strong foundation for the life-long learning that makes career-change goals attainable.

General Education at UMCP = CORE Liberal Arts and Sciences Studies

- **CORE** makes up about one-third of your undergraduate courses.
- **CORE** helps you choose or change your major and the shape of your whole life by introducing you to new ways of viewing yourself and the world around you.
- **CORE** offers one of the best opportunities you will ever have to explore different fields of study.

Get the Most Out of CORE

- **PLAN** ahead and see an academic adviser regularly.
- **INVEST** in yourself; select CORE courses that will add to your understanding and appreciation of social, cultural, national, and international issues in the years ahead.
- **EXPLORE** the wide range of opportunities offered by the university as well as the speakers, events, theaters, museums, galleries, libraries, and many more general education resources outside the classroom.

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CORE Liberal Arts and Sciences Studies Program

The **CORE** Program strategically builds a sound skill and knowledge base over the student's years of baccalaureate study and represents approximately one-third of the total academic work completed for graduation.

At Maryland, the CORE Program has four major components:

FUNDAMENTAL STUDIES build competence and confidence in basic writing and mathematics. Mastery of these basics greatly enhances success both during and after college. Students begin fulfilling Fundamental Studies requirements in their first year at the university.

DISTRIBUTIVE STUDIES introduce broad areas of learning in many disciplines. Through these courses, students explore different kinds of knowledge and the very nature of scholarship in the humanities, arts, natural sciences, mathematics, social sciences, and history. Students generally pursue Distributive Studies in the first two years of their course work.

ADVANCED STUDIES allow students to enhance their degree and strengthen their critical thinking and writing skills by taking two upper-level courses outside their major after 56 credits. Students may substitute an approved CORE Capstone course in their major (after 86 credits) or a senior or honors thesis for one of these two courses.

HUMAN CULTURAL DIVERSITY encourages all members of our diverse undergraduate community to learn about attitudes and cultures different from their own. Students may complete the Cultural Diversity requirement at any time before graduation.

CORE Program Outline

Courses used to fulfill CORE Fundamental and Distributive Studies Requirements:

- MUST be selected from the approved CORE course lists.
- MAY also be used to satisfy college, major, and/or supporting area requirements if the courses also appear on CORE Fundamental or Distributive Studies lists.
- MAY NOT be taken on a Pass-Fail basis.

I . C O R E F u n d a m e n t a l S t u d i e s

Three Courses (9 credits) Required

1. One course in Introduction to Writing (Must be attempted within the first 30 credits; must be passed within the first 60 credits.)

Approved CORE Introduction to Writing Courses:

(Select the appropriate course based on requirements listed.)

- ENGL 101 Introduction to Writing
ENGL 101A Introduction to Writing (Must be taken if student has TSWE [SAT verbal subtest] score below 33)
ENGL 101H Introduction to Writing (Honors Students)
ENGL 101X Introduction to Writing (Students for whom English is a second language may register for ENGL 101X instead of ENGL 101. To register for ENGL 101X, a student must present one of the following:
(1) 33 or below on the TSWE, **OR**
(2) 575 or above on the TOEFL (with no sectional score lower than 50), **OR**
(3) 230 or above on the Maryland English Institute Program (MEIP) Exam (with a Listening score above 70, a Grammar score above 70, and a Reading score above 60), **OR**
(4) successful completion of the MEI's semi-intensive course in English.

Note: Based on scores from either the TOEFL or MEIP, students may be required to complete a program of English language instruction for non-native speakers through the MEI before being allowed to register for ENGL 101X.

Exemptions from Introduction to Writing requirement:

- AP English Language and Composition test score of 4 or 5, **OR**
- SAT verbal score 670 or above. (In April 1995, the Educational Testing Service recentered the scores on the SAT. Students whose test scores are from before April 1995 must have received a score of 600 or above to be exempt from Freshman Writing. This recentering does not reflect a raising of the requirement for exemption, but a change in the scoring system used by ETS.)

2. One course in Mathematics (Must be attempted within the first 30 credits; must be passed within the first 60 credits.)

Approved CORE Fundamental Studies Mathematics Courses:

- MATH 110 Elementary Mathematical Models; **OR**
MATH 113 College Algebra with Applications; **OR**
MATH 115 Pre-calculus; **OR**

Any 100- or 200-level MATH or STAT course except MATH 210 and MATH 211

Exemptions from Mathematics requirement:

- SAT math score of 600 or above; **OR**
- College Board Achievement Test in Mathematics, Level I or II score of 600 or above; **OR**
- AP score of 3 or above in Calculus AB or BC; **OR**
- CLEP General Mathematics Exam, score of 560 or higher; or CLEP Calculus/Elementary Functions Exam, score of 47 or higher; or any other CLEP Mathematics Subject Exam, score of 60 or higher.

If you are placed in the Developmental Math Program by the Mathematics Placement Exam, you may be offered the opportunity to combine your Development course with the appropriate subsequent course of Math 110, 113, or 115 and thus finish both in one semester. For further information, please see the Developmental Math Program web site: <http://www.math.umd.edu/undergrad/fsm.html>.

3. One course in Professional Writing (Taken after reaching junior standing [at least 56 credits].)

Approved CORE Professional Writing Courses:

(Select the appropriate course based on requirements or interests listed.)

- ENGL 391 Advanced Composition
ENGL 391H Advanced Composition (Honors Students)
ENGL 391X Advanced Composition (English as a Second Language)
ENGL 392 Advanced Composition (Pre-Law)
ENGL 393 Technical Writing
ENGL 393H Technical Writing (Honors Students)
ENGL 393X Technical Writing (English as a Second Language)
ENGL 394 Business Writing
ENGL 395 Technical Writing (Pre-Med and Health careers)

Exemption from Professional Writing Requirement:

- Grade of "A" in ENGL 101 (NOT ENGL 101A or ENGL 101X), except for students majoring in Engineering. All Engineering majors must take ENGL 393.

Note: No exemption from the Professional Writing requirement will be granted for achievement on SAT verbal exam. Professional Writing courses cannot be used to fulfill Advanced Studies requirements.

II. CORE Distributive Studies Requirements

Nine Courses (28 credits) Required

See lists of approved CORE courses in *Schedule of Classes*.

1. Humanities and the Arts—three courses required:

- One course from **Literature** list, and
- One course from **History or Theory of the Arts** list, and
- One more course from **Literature**, OR **History or Theory of the Arts**, OR **Humanities** lists

Note: There is no specific requirement for a course from the Humanities list.

2. Mathematics and the Sciences—three courses required:

- Up to two courses from **Physical Sciences** list, and
- Up to two courses from **Life Sciences** list, and
- Up to one course from **Mathematics/Formal Reasoning** list

Notes: One course **MUST** include or be accompanied by a lab taken in the same semester. More than one lab course may be taken. Courses must be taken from at least two of the three lists. There is no specific requirement for a course from the Mathematics and Formal Reasoning list.

3. Social Sciences and History—three courses required:

- One course from **Social or Political History** list, and
- Two courses from **Behavioral and Social Sciences** list

It is not enough to offer a smorgasbord of courses. We must insure that students are not just eating at one end of the table.
—A. Bartlett Giamatti

III. CORE Advanced Studies

Two Courses (6 credits) Required

The CORE Advanced Studies requirement allows you to choose your two Advanced Studies courses from a wide range of upper-level offerings outside your major. Please select courses that make sense in terms of your educational goals and interests, that increase your knowledge, and that strengthen your critical thinking and writing skills. Consult with faculty and contact your adviser for assistance in planning. A list of recommended courses is available from 2130 Mitchell Building, (301) 405-9359.

CORE Advanced Studies Requirement: Two upper-level (300- or 400-level) courses outside the major taken after 56 credits. Students may substitute a CORE-approved senior capstone course in their major taken after 86 credits, or a senior or honors thesis for **one** of the two required Advanced Studies courses. The other course **must** be outside the major. Students completing double majors or double degrees will have fulfilled the campus Advanced Studies requirement, unless their primary major or college has additional requirements.

The following may not be used to fulfill Advanced Studies requirements:

- Professional Writing courses (courses that meet the Fundamental Studies upper-level writing requirement);
- courses used to meet Distributive Studies requirements;
- internships, practica, or other experiential learning types of courses;
- courses taken on a pass/fail basis.

One independent studies course (minimum of three credits, outside the major) may be used toward Advanced Studies requirements as long as it is consistent with the rules above **and** the faculty member supervising the independent study agrees that it is appropriate for Advanced Studies.

If you have questions about the requirements, call the Office of Undergraduate Studies at (301) 405-9359.

Notes: CORE Capstone courses must be taken within the major and after reaching senior standing (86 credits). A senior thesis (minimum of 3 credits) or successful completion and defense of an honors thesis in either the General Honors or a Departmental Honors Program (minimum of 3 credits) counts as CORE Capstone credit.

IV. CORE Human Cultural Diversity

One Course (3 credits) Required

See list of approved CORE Diversity courses in *Schedule of Classes*.

Cultural Diversity courses focus primarily on: (a) the history, status, treatment, or accomplishment of women or minority groups and subcultures; (b) non-Western culture, or (c) concepts and implications of diversity.

Note: A number of CORE Human Cultural Diversity courses also satisfy CORE Distributive Studies, Advanced Studies, or a college, major, and/or supporting area requirement.

...All life is interrelated, whatever affects one of us, affects all.
—Martin Luther King, Jr.

For complete CORE course lists and more information consult:

- *Schedule of Classes*, revised each semester.
<http://www.testudo.umd.edu/ScheduleOfClasses.html>

- **Inform** on-line information system updated regularly. (Access through student Workstations at Maryland [WAM] account. Campus visitors may use terminals in the Stamp Student Union and at other locations.) If you have access to the World Wide Web, the address for the CORE Liberal Arts and Sciences Studies Program (which includes current CORE approved course lists) is: <http://www.inform.umd.edu/CORE>

- **CORE 101: A Student Guide to the CORE Program**, available from your college advising office, Undergraduate Studies (2130 Mitchell Building), or on reserve at the Reserve Desk, Ground Floor, Hornbake Library.

Who Completes CORE?

Students who enter the university with nine or more credits earned before May 1990 from the University of Maryland, College Park, or any other college may complete their general education requirements under the University Studies Program (USP), subject to certain limitations. (See USP and "Statute of Limitations. . ." section below.) Advanced Placement (AP) and other examination-based credits will **not** be considered in these determinations.

University Studies Program (USP)

For detailed information about USP requirements, see undergraduate catalogs dated 1992 or earlier, or contact the CORE program at 2130 Mitchell Building, (301) 405-9359. Information on USP is also contained on the Inform system at: <http://www.inform.umd.edu/GenEd/.usp.html>.

NOTE: Students who graduate under USP requirements August 1994 and thereafter must fulfill the Advanced Studies requirements described in the Fall 1994 and subsequent catalogs. (See CORE Advanced Studies section above.)

Maryland Public Community College Students

For the purpose of determining which general education program is required (CORE or USP), students transferring to the University of Maryland from Maryland public community colleges shall be treated as if their registration dates were concurrent with enrollment at this university.

Statute of Limitations for Previous General Education Programs at UMCP (GEP, GUR, USP)

Undergraduate students who return to the university after August 1987 no longer have the option of completing general education requirements under the older General Education Program (GEP) or the General University Requirements (GUR). Thereafter, following any substantive change in general education requirements (like the change in Fall 1990 from USP to CORE), undergraduate students returning or transferring to College Park after a separation of five continuous years must follow the requirements in effect at the time of re-entry. An exception may be granted to those students who at the time of separation had completed 60 percent of the general education requirements then in effect.

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Approved Courses for the CORE Program

About the lists:

Please refer to the program description above for the requirements in each CORE Category.

1. These lists were current as of 1/31/01. Some additional courses may have been approved and some may have been deleted since that date. Please check the current Schedule of Classes and the online resources for the most current information on approved CORE courses being offered during a particular semester. A selection of the approved courses is offered each semester.

CORE Online <http://www.inform.umd.edu/CORE>
Schedule of Classes <http://www.testudo.umd.edu/ScheduleOfClasses.html>

2. Some courses are approved for CORE for one semester only. This list, which offers special opportunities, changes each semester. It is listed in the current Schedule of Classes for the particular semester, however, these courses are often added after the Schedule goes to press so the online resources are the best reference for these special courses.
3. Course numbers and titles change from time to time. The online CORE and scheduling resources (see note 1. above for site addresses) will have the most current information on any changes.
4. Course numbers and titles change from time to time. The online CORE and scheduling resources (see note 1. above for site addresses) will have the most current information on any changes.
5. In a particular semester, courses may be cross-listed or shared by more than one department and may appear under more than one course number. If cross-listed or shared courses are approved for CORE, this information will be available in the online listings. Frequent instances include courses in AASP, AMST, CMLT, and WMST.
6. Honors (HONR) courses are not included in the lists. For information about HONR courses that are approved for CORE, please refer to the online resources noted above. Other resources include the current "The University Honors Program Information and Course Description Booklet" and the University Honors Program website: <http://www.inform.umd.edu/HONR/>
7. For information about CORE Fundamental Studies courses, please see the Fundamental Studies section above.

CORE Distributive Studies

In the following CORE Distributive Studies list, courses noted "(D)" also meet the CORE Diversity Requirement.

Humanities and the Arts Literature (CORE CODE: HL):

CHIN 213	Chinese Poetry into English: An Introduction (D)
CLAS 100	Classical Foundations
CLAS 170	Greek and Roman Mythology
CLAS 270	Greek Literature in Translation
CLAS 271	Roman Literature in Translation
CMLT 235	Introduction to Literatures of the African Diaspora (also as ENGL 235) (D)
CMLT 270	Global Literature and Social Change (D)
CMLT 275	World Literature by Women (also as WMST 275) (D)
CMLT 277	Literatures of the Americas (D)
ENGL 201	Western World Literature: Homer to the Renaissance
ENGL 202	Western World Literature: Renaissance to the Present
ENGL 205	Introduction to Shakespeare
ENGL 210	Themes in Early English Literature: Love, Adventure, and Identity (formerly ENGL 278C)
ENGL 211	English Literature: Beginnings to 1800
ENGL 212	English Literature: 1800 to the Present
ENGL 221	American Literature: Beginning to 1865
ENGL 222	American Literature: 1865 to the Present
ENGL 234	Introduction to African-American Literature (D)
ENGL 235	Introduction to the Literature of the African Diaspora (also as CMLT 235) (D)
ENGL 240	Introduction to Fiction, Poetry and Drama
ENGL 241	Introduction to the Novel
ENGL 242	Introduction to Non-Fiction Prose
ENGL 243	Introduction to Poetry
ENGL 244	Introduction to Drama
ENGL 250	Introduction to Literature by Women (also as WMST 255) (D)
ENGL 262	The Hebrew Bible: Narrative (also as JWST 262)
ENGL 263	The Hebrew Bible: Poetry and Rhetoric (also as JWST 263)
ENGL 265	Introduction to Lesbian, Gay, and Bisexual Literatures (D)
ENGL 277	Mythologies: An Introduction

ENGL 278S	The American Short Story in Its World Context
FREN 240	Masterworks of French Literature in Translation
FREN 241	Women Writers of French Expression in Translation (also as WMST 241) (D)
FREN 242	Black Writers of French Expression in Translation (D)
FREN 250	Readings in French
GERM 281	Women in German Literature and Society (also as WMST 281) (D)
GERM 282	Germanic Mythology
GERM 283	Viking Culture and Civilization
GERM 284	Germanic Chivalric Culture
GERM 285	German Film and Literature
GERM 286	Ancient Indic Culture and Civilization
GERM 287	Ancient Celtic Culture and Civilization
ITAL 241	Modern Italian Women Writers - in Translation
ITAL 251	Aspects of Contemporary Italian Literature and Culture
JAPN 217	Japanese Literature in the Age of the Samurai (D)
JWST 164	Reading the Bible: An Introduction to Critical Methods
JWST 171	Modern Jewish Experience Through Literature (D)
JWST 262	The Hebrew Bible: Narrative (also as ENGL 262)
JWST 263	The Hebrew Bible: Poetry and Rhetoric (also as ENGL 263)
JWST 272	Jewish Literature in Translation (formerly HEBR 231)
PORT 228A	Latin American Literature and Society: An Interdisciplinary Approach to the Amazon Ecosystem (also as SPAN 228A) (D)
RUSS 221	Masterworks of Russian Literature I
RUSS 222	Masterworks of Russian Literature II
SPAN 221	Introduction to Literature
SPAN 222	Cultural Difference in Contemporary Latin American Culture (D)
SPAN 224	Violence and Resistance in the Americas (D)
SPAN 228A	Latin American Literature and Society: An Interdisciplinary Approach to the Amazon Ecosystem (also as PORT 228A) (D)
WMST 241	Women Writers of French Expression in Translation (also as FREN 241) (D)
WMST 255	Introduction to Literature by Women (also as ENGL 250) (D)
WMST 275	World Literature by Women (also as CMLT 275) (D)
WMST 281	Women in German Literature and Society (also as GERM 281) (D)

Humanities and the Arts

The History or Theory of the Arts (CORE CODE: HA):

AMST 205	Material Aspects of American Life
ARCH 170	Introduction to the Built Environment
ARCH 223	History of Non-Western Architecture (D)
ARHU 298L	The Creative Process in Dance (D)
ARTH 100	Introduction to Art
ARTH 200	Art of the Western World to 1300
ARTH 201	Art of the Western World after 1300
ARTH 250	Art and Archeology of Ancient America (D)
ARTH 275	Art and Archaeology of Africa (D)
ARTH 290	Art of Asia (D)
ARTT 150	Introduction to Art Theory
CMLT 214	Film, Form, and Culture
CMLT 280	Film Art in a Global Society (D)
DANC 200	Introduction to Dance (D)
ENGL 245	Film and the Narrative Tradition
MUET 200	World Popular Musics and Gender (formerly: MUSC 248C)(D)
MUET 210	The Impact of Music on Life (formerly: MUSC 210) (D)
MUET 220	Musics of the World (formerly: MUSC 248A)(D)
MUSC 130	Survey of Music Literature
MUSC 140	Music Fundamentals I
MUSC 205	History of Rock Music, 1950 - Present
THET 110	Introduction to the Theatre
THET 195	Gender and Performance (D)
THET 240	African Americans in Film and Theatre (D)
THET 290	American Theatre 1750-1890
THET 291	American Theatre 1890-Present
THET 293	Black Theatre and Performance I (D)
THET 294	Black Theatre and Performance II (D)
UNIV 118A	World Course: The Creative Drive: Creativity in Music, Architecture, and Science
WMST 250	Introduction to Women's Studies: Women, Art, and Culture (D)

Humanities and the Arts Humanities (CORE CODE: HO):

AASP 200	African Civilization
AMST 201	Introduction to American Studies
AMST 203	Popular Culture in America
AMST 204	Film and American Culture Studies
AMST 211	Technology and American Culture
ARHU 298A	Medieval and Renaissance Humanism, Humanists, and Their World
CHIN 202	Intermediate Written Chinese I
CHIN 204	Intermediate Written Chinese II

CHIN 205	Intermediate Chinese - Accelerated Track
CMLT 291	International Perspectives on Lesbian and Gay Studies (D)
EDPL 210	Historical and Philosophical Perspectives on Education
ENGL 280	Introduction to the English Language
ENGL 282	Introduction to Rhetorical Theory
FREN 202	Honors Intermediate French (taught in French)
FREN 203	Intermediate French
FREN 204	Review Grammar and Composition
GERM 201	Intermediate German I
GERM 202	Intermediate German II
GERM 280	German-American Cultural Contrast
HIST 110	The Ancient World
HIST 112	The Rise of the West: 1500-1789 (D)
HIST 216	Introduction to the Study of World Religions (also as JWST 219K) (D)
ITAL 122	Accelerated Italian II
ITAL 203	Intermediate Italian
ITAL 204	Review Grammar and Composition
ITAL 261	Cuisine, Culture, and Society in Italy Yesterday and Today (Taught in Italian)
ITAL 271	The Italian-American Experience
JWST 219A	The World of the Dead Sea Scrolls (formerly 128A)
JWST 219K	Introduction to the Study of World Religions (also as HIST 216) (D)
JWST 250	Fundamental Concepts of Judaism (also as PHIL 234)
KNES 262	Philosophy of Sport
KORA 212	Reading for Speakers of Korean II
LARC 160	Introduction to Landscape Architecture
LASC 234	Issues in Latin American Studies I (also as PORT 234 and SPAN 234) (D)
LASC 235	Issues in Latin American Studies II (also as PORT 235 and SPAN 235) (D)
LATN 201	Intermediate Latin
LING 210	Structure of American Sign Language (D)
LING 240	Language and Mind
PHIL 100	Introduction to Philosophy
PHIL 101	The Structure of Knowledge
PHIL 102	Truth and Reality
PHIL 103	Self and Identity
PHIL 105	God and Cosmos
PHIL 110	Plato's Republic
PHIL 140	Contemporary Moral Issues
PHIL 201	Issues in the Philosophy of Life
PHIL 209E	Existentialism
PHIL 234	Fundamental Concepts of Judaism (also as JWST 250)
PHIL 245	Political and Social Philosophy I
PHIL 250	Philosophy of Science I
PHIL 256	Philosophy of Biology I
PORT 223	Portuguese Culture (in English)
PORT 224	Brazilian Culture (in English) (D)
PORT 234	Issues in Latin American Studies I (also as LASC 234 and SPAN 234) (D)
PORT 235	Issues in Latin American Studies II (also as LASC 235 and SPAN 235) (D)
RUSS 201	Intermediate Russian I
RUSS 202	Intermediate Russian II
RUSS 281	Russian Language and Pre-Revolutionary Culture
RUSS 282	Contemporary Russian Culture (D)
SPAN 125	Spanish Civilizations: From Kingdoms to Nationalities
SPAN 201	Intermediate Spanish
SPAN 202	Intermediate Grammar and Composition
SPAN 223	U.S. Latino Culture (D)
SPAN 234	Issues in Latin American Studies I (also as LASC 234 and PORT 234) (D)
SPAN 235	Issues in Latin American Studies II (also as LASC 235 and PORT 235) (D)

Mathematics and the Sciences, the Lab Courses
Physical Sciences Lab (CORE CODE: PL):

ASTR 100/	Introduction to Astronomy and
111	Observational Astronomy Laboratory
(BOTH COURSES MUST BE TAKEN IN THE SAME SEMESTER)	
ASTR 101	General Astronomy
ASTR 121	Introductory Astrophysics II - Stars and Beyond

CHEM 102	Chemistry of Our Environment
CHEM 103	General Chemistry I
CHEM 113	General Chemistry II
CHEM 121/	Chemistry in the Modern World
122	and Laboratory
(BOTH COURSES MUST BE TAKEN IN THE SAME SEMESTER)	
GEOG 201/	Geography of Environmental Systems
211	and Laboratory
(BOTH COURSES MUST BE TAKEN IN THE SAME SEMESTER)	
GEOL 100/	Physical Geology and Laboratory
110	
(BOTH COURSES MUST BE TAKEN IN THE SAME SEMESTER)	
GEOL 103	Water, Earth, and Humans
GEOL 105	Geology of Maryland
GEOL 107	Natural Hazards
METO 200/	Weather and Climate and Laboratory
201	
(BOTH COURSES MUST BE TAKEN IN THE SAME SEMESTER)	
PHYS 102/	Physics of Music and Laboratory
103	
(BOTH COURSES MUST BE TAKEN IN THE SAME SEMESTER)	
PHYS 106/	Light, Perception, Photography and Visual
107	Phenomena and Laboratory
(BOTH COURSES MUST BE TAKEN IN THE SAME SEMESTER)	
PHYS 115	Inquiry into Physics
PHYS 117	Introduction to Physics
PHYS 121	Fundamentals of Physics I
PHYS 122	Fundamentals of Physics II
PHYS 141	Principles of Physics
PHYS 142	Principles of Physics
PHYS 262	General Physics: Vibrations, Waves, Heat, Electricity, and Magnetism
PHYS 263	General Physics: Electrodynamics, Light, Relativity, and Mod. Physics
PHYS 272/	Introductory Physics: Fields/ Experimental
275	Physics I: Mechanics, Heat, and Fields
(BOTH COURSES MUST BE TAKEN IN THE SAME SEMESTER)	

Mathematics and the Sciences, the Lab Courses
Life Sciences Lab (CORE CODE: LL):

AGRO 101	Introductory Crop Science
ANTH 220	Introduction to Biological Anthropology (D)
BSCI 103	The World of Biology
BSCI 105	Principles of Biology I
BSCI 106	Principles of Biology II
BSCI 122	Microbes and Society
BSCI 124/	Plant Biology for Non-Science Students
125	and Laboratory
(BOTH COURSES MUST BE TAKEN IN THE SAME SEMESTER)	
BSCI 201	Human Anatomy and Physiology I
BSCI 223	General Microbiology
BSCI 224	Animal Diversity
BSCI 227	Principles of Entomology
CHEM 104	Fundamentals of Organic and Biochemistry
HORT 100	Introduction to Horticulture
NRSC 200	Fundamentals of Soil Science

Mathematics and the Sciences, the Lab Courses
Math or Formal Reasoning Lab (CORE CODE: ML):

NONE

Mathematics and the Sciences, the Non-Lab Courses
Physical Sciences Non-Lab (CORE CODE: PS):

ASTR 100	Introduction to Astronomy (only if taken Fall 1993 or later)
ASTR 120	Introductory Astrophysics – Solar System
ASTR 200	Introductory Astronomy and Astrophysics
ASTR 220	Collisions in Space
CHEM 121	Chemistry in the Modern World
ENES 100	Introduction to Engineering Design

ENES 105	How Things Work - Basic Technological Literacy
ENSP 101	Introduction to Environmental Science
GEOG 123	Causes and Implications of Global Change * (also as GEOL/METO)
GEOG 140	Coastal Environments
GEOL 104	Dinosaurs: A Natural History
GEOL 120	Environmental Geology
GEOL 123	Causes and Implications of Global Change (also as GEOG/METO)
GEOL 212	Planetary Geology
METO 123	Causes and Implications of Global Change (also as GEOG/GEOL)
METO 200	Weather and Climate
PHYS 101	Contemporary Physics
PHYS 104	How Things Work : Scientific Foundations
PHYS 111	Physics in the Modern World
PHYS 112	Physics in the Modern World
PHYS 161	General Physics: Mechanics and Particle Dynamics
PHYS 171	Introductory Physics: Mechanics and Relativity
UNIV 138A	Technology and the Environment: To Stem the Flow: The Nile, Technology, Politics and the Environment (This course may be counted for CORE in only ONE of these three areas: LS, PS, or SH)

Mathematics and the Sciences, the Non-Lab Courses
Life Sciences Non-Lab (CORE CODE: LS):

BSCI 120	Insects (formerly ENTM 100)
BSCI 205	Environmental Science (formerly PBIO 235)
BSCI 206	Chesapeake: A Living Resource (formerly PBIO 255)
HESP 108W	Left Brain, Right Brain
KNES 260	Science of Physical Activity and Cardiovascular Health
NFSC 100	Elements of Nutrition
NRSC 105	Soil and Environmental Quality
UNIV 138A	Technology and the Environment: To Stem the Flow: The Nile, Technology, Politics and the Environment (This course may be counted for CORE in only ONE of these three areas: LS, PS, or SH)

Mathematics and the Sciences, the Non-Lab Courses
Math or Formal Reasoning Non-Lab (CORE CODE: MS):

CMSC 250	Introduction to Discrete Structures (formerly 150)
GEOG 170	Maps and Map Use
MATH 111	Introduction to Probability
MATH 140	Calculus I
MATH 141	Calculus II
MATH 220	Elementary Calculus I
MATH 221	Elementary Calculus II
PHIL 170	Introduction to Logic
PHIL 209P	Philosophy and Computers
PHIL 271	Symbolic Logic I
STAT 100	Elementary Statistics and Probability

Social Sciences and History
Social or Political History (CORE CODE: SH):

AASP 100	Introduction to Afro-American Studies (D)
AASP 109P	Urban Black America: Politics and Protest (D)
AASP 202	Black Culture in the United States (D)
AASP 298C	African Civilizations to 1800 (also as HIST 122) (D)
AASP 298E	Sub-Saharan Africa Since 1800 (D)
ARHU 298I	American Slaver - American Freedom: The African-American Experience Throughout Emancipation (D)
ARHU 298K	The History of the Book: Authorship, Reading, and Publishing from clay tablet to Hypertext
ENGL 260	Introduction to Folklore
HIST 106	American Jewish Experience (also as JWST 141)
HIST 111	The Medieval World

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HIST 113	Modern Europe: 1789 - Present
HIST 120	Islamic Civilization (D)
HIST 122	African Civilizations to 1800 (also as AASP 298C) (D)
HIST 123	Sub-Saharan Africa since 1800 (D)
HIST 126	Jewish Civilization (also as JWST 121)
HIST 156	History of the United States to 1865
HIST 157	History of the United States since 1865
HIST 174	Introduction to the History of Science
HIST 175	Science and Technology in Western Civilization
HIST 210	Women in America to 1880 (also as WMST 210) (D)
HIST 211	Women in America since 1880 (also as WMST 211) (D)
HIST 212	Women in Western Europe, 1750 - Present (also as WMST 212) (D)
HIST 219C	US-East Asian Cultural Relations (D)
HIST 219X	Women, Crime, and the Law in England (also as WMST 298X) (D)
HIST 224	Modern Military History 1494-1815
HIST 225	Modern Military History 1815-Present
HIST 234	History of Britain to 1485
HIST 235	History of Britain 1461-1714
HIST 236	History of Britain 1688 to Present
HIST 237	Russian Civilization (D)
HIST 250	Latin-American History I (D)
HIST 251	Latin-American History II (D)
HIST 255	African-American History (D)
HIST 260	The North Atlantic World: 1550-1800
HIST 266	The United States and World Affairs
HIST 275	Law and Constitutionalism in American History
HIST 281	Intro. to the Rabbinic Movement: History and Culture (also as JWST 230) (D)
HIST 282	History of the Jewish People I (also as JWST 234) (D)
HIST 283	History of the Jewish People II (also as JWST 235) (D)
HIST 284	East Asian Civilization I (D)
HIST 285	East Asian Civilization II
HIST 286	The Jew and the City through the Centuries (also as JWST 275) (D)
JWST 121	Jewish Civilization (also as HIST 126)
JWST 141	American Jewish Experience (also as HIST 106)
JWST 230	Intro. to the Rabbinic Movement: History and Culture (also as HIST 281) (D)
JWST 234	History of the Jewish People I (also as HIST 282) (D)
JWST 235	History of the Jewish People II (also as HIST 283) (D)
JWST 275	The Jew and the City through the Centuries (also as HIST 286) (D)
KNES 293	History of Sport in America
UNIV 138A	Technology and the Environment: To Stem the Flow: The Nile, Technology, Politics and the Environment (This course may be counted for CORE in only ONE of these three areas: LS, PS, or SH)
WMST 210	Women in America to 1880 (also as HIST 210) (D)
WMST 211	Women in America since 1880 (also as HIST 211) (D)
WMST 212	Women in Western Europe, 1750 - Present (also as HIST 212) (D)
WMST 298X	Women, Crime, and the Law in England (also as HIST 219X) (D)

Social Sciences and History Behavioral and Social Sciences (CORE CODE: SB):

AASP 101	Public Policy and the Black Community
AMST 207	Contemporary American Cultures (D)
ANTH 240	Introduction to Archaeology (D)
ANTH 260	Introduction to Sociocultural Anthropology and Linguistics (D)
ANTH 262	Culture and Environment (D)
AREC 240	Introduction to Economics and the Environment
AREC 250	Elements of Agricultural and Resource Economics
CCJS 100	Introduction to Criminal Justice
CCJS 105	Introduction to Criminology
CPSP 123	Issues in Environmental Studies
CPSP 124	Issues in International Studies

CPSP 126	Issues in Public Leadership
CPSP 227	Science, Technology, and Society
ECON 105	Economics of Social Problems
ECON 200	Principles of Micro-Economics (Formerly
ECON 203	
ECON 201	Principles of Macro-Economics
EDHD 230	Human Development and Societal Institutions (D)
GEOG 100	Introduction to Geography
GEOG 130	Developing Countries (D)
GEOG 202	The World in Cultural Perspective
GVPT 100	Principles of Government and Politics
GVPT 170	American Government
GVPT 200	International Political Relations
GVPT 250	Introduction to International Negotiation (D)
HESP 120	Introduction to Linguistics
JOUR 150	Introduction to Mass Communication
LING 200	Introductory Linguistics
PHIL 280	Introduction to Cognitive Studies
PSYC 100	Introduction to Psychology
SOCY 100	Introduction to Sociology
SOCY 105	Introduction to Contemporary Social Problems
SOCY 227	Introduction to the Study of Deviance
URSP 100	Challenge of the Cities
WMST 200	Introduction to Women's Studies: Women and Society (D)

CORE Advanced Studies

Please refer to the program descriptions above for Advanced Studies requirements.

CORE Capstone Option (majors only; after completing 86 credits) (CORE CODE: CS):

ANSC 420	Animal Production Systems
BCHM 399	Undergraduate Research in Biochemistry (Must be taken for at least 3 credits)
BCHM 465	Biochemistry III
BMGT 457	Marketing Policies and Strategies
BMGT 495	Business Policies
BSCI 426	Membrane Biophysics (formerly ZOO 413)
BSCI 464	Microbial Biology (formerly MICB 480)
CHEM 399	Introduction to Chemical Research (Must be taken for at least 3 credits)
CHEM 491	Advanced Organic Chemistry Laboratory
CHEM 492	Advanced Inorganic Chemistry Laboratory
CMSC 412	Operating Systems
CMSC 424	Database Design
CMSC 435	Software Engineering
DANC 485	Seminar in Dance
ENAE 482	Aeronautical Systems Design
ENAE 484	Space Systems Design
ENBE 486	Capstone Design II (Please note that both ENBE 485 and ENBE 486 must be completed in order to satisfy CORE Capstone Requirements)
ENCE 466	Design of Civil Engineering Systems
ENCH 446	Process Engineering Economics and Design II
ENME 404	Mechanical Engineering Systems Design
ENME 472	Integrated Product and Process Development II
ENSP 486	Capstone in Environmental Science and Policy
GEO 394	Research Problems in Geology
HIST 309	Proseminar in Historical Writing
HIST 396	Honors Colloquium II
KNES 497	Independent Studies Seminar
LARC 471	Capstone Studio
MAPL 420	Mathematical Modeling (also as MATH 420)
MATH 420	Mathematical Modeling (also as MAPL 420)
NFSC 422	Food Product Research and Development
NFSC 491	Issues and Problems in Dietetics
NFSC 495	Nutrition Research
NRMT 470	Natural Resources Management
PHYS 428	Physics Capstone Research

CORE Human Cultural Diversity (CORE CODE: D):

Please refer to the program descriptions above for the Diversity Requirements.

In the following CORE Diversity list, courses noted "*" also meet CORE Distributive Studies requirements. Diversity courses that are also approved for CORE Distributive Studies may be double counted.

CORE Diversity Courses Recommended for Freshmen and Sophomores

AASP 100	Intro. to Afro-American Studies*
AASP 109P	Urban Black America: Politics and Protest*
AASP 202	Black Culture in the United States*
AASP 298B	Special Topics in Afro-American Studies: Black and Asian Relations
AASP 298C	African Civilizations to 1800* (also as HIST 122)
AASP 298E	Sub-Saharan Africa Since 1800*
AMST 207	Contemporary American Culture*
AMST 211	Technology and American Culture*
AMST 212	Diversity in American Culture
AMST 298C	Asian American Experience
ANTH 220	Introduction to Biological Anthropology*
ANTH 240	Introduction to Archaeology*
ANTH 260	Introduction to Sociocultural Anthropology and Linguistics*
ANTH 262	Culture and Environment*
ARCH 223	History of Non-Western Architecture*
ARHU 298I	American Slavery/American Freedom: The African-American Experience Through Emancipation*
ARHU 298L	The Creative Process in Dance*
ARTH 250	Art and Archeology of Ancient America*
ARTH 275	Art and Archeology of Africa*
ARTH 290	Art of Asia*
CHIN 213	Chinese Poetry into English: An Introduction*
CMLT 235	Intro. to Literatures of the African Diaspora* (also as ENGL 235)
CMLT 270	Global Literature and Social Change*
CMLT 275	World Literature by Women* (also as WMST 275)
CMLT 277	Literatures of the Americas*
CMLT 280	Film Art in a Global Society*
CMLT 291	International Perspectives on Lesbian and Gay Studies*
CPSP 124	Issues in International Studies
DANC 138	Introduction to Ethnic Dance (2 credits)
DANC 200	Introduction to Dance*
EDHD 230	Human Development and Societal Institutions*
ENGL 234	Introduction to African-American Literature*
ENGL 235	Intro. to Literatures of the African Diaspora*(also as CMLT 235)
ENGL 250	Introduction to Literature by Women* (also as WMST 255)
ENGL 265	Introduction to Lesbian, Gay, and Bisexual Literatures*
ENGL 277	Mythologies: An Introduction*
FREN 241	Women Writers of French Expression in Translation* (also as WMST 241)
FREN 242	Black Writers of French Expression in Translation*
GEOG 130	Developing Countries*
GERM 281	Women in German Literature and Society* (also as WMST 281)
GVPT 250	Introduction to International Negotiation* (formerly GVPT 288A)
HIST 120	Islamic Civilization*
HIST 122	African Civilizations to 1800* (also as AASP 298C)
HIST 123	Sub-Saharan Africa Since 1800*
HIST 209A	Cross-Cultural Questions: Religious Fundamentalism in 20th Century United States and Middle East
HIST 210	Women in America to 1880* (also as WMST 210)
HIST 211	Women in America since 1880* (also as WMST 211)
HIST 212	Women in Western Europe, 1750 - Present* (also as WMST 212)
HIST 216	Introduction to the Study of World Religions* (also as JWST 219K)
HIST 219C	US-East Asian Cultural Relations*
HIST 219X	Women, Crime, and the Law in England* (also as WMST 298X)

HIST 237	Russian Civilization*	CORE Diversity Courses Recommended for Juniors and Seniors (after 56 credits)	HIST 491	History of the Ottoman Empire
HIST 250	Latin-American History I*		HIST 493	Victorian Women in England, France and the United States
HIST 251	Latin-American History II*		HIST 494	Women in Africa (formerly HIST 458B)
HIST 255	African-American History, 1865-Present*		HIST 495	Women in Medieval Culture and Society
HIST 281	Intro. to the Rabbinic Movement: History and Culture* (also as JWST 230)		AASP 312	Social and Cultural Effects of Colonization and Racism
HIST 282	History of the Jewish People I* (also as JWST 234)		AASP 441	Science, Technology, and the Black Community
HIST 283	History of the Jewish People II* (also as JWST 235)		AASP 443	Blacks and the Law
HIST 284	East Asian Civilization I*		AASP 499R	Race and Gender: Political Theory, Economics, the Law, and Popular Culture
HIST 286	The Jew and the City through the Centuries* (also as JWST 275)		AGNR 401	Agricultural Support Systems in Developing Countries
JAPN 217	Japanese Literature in the Age of the Samurai*		AMST 418J	International Crop Production
JWST 171	Modern Jewish Experience Through Literature*		AMST 418K	Cultural Themes in America: Women and Family in American Culture
JWST 219K	Introduction to the Study of World Religions* (also as HIST 216)		AMST 418K	Cultural Themes in America: Race in America: Theory and Policy
JWST 230	Intro. to the Rabbinic Movement: History and Culture* (also as HIST 281)		ANTH 362	Diversity in Complex Societies
JWST 234	History of the Jewish People I* (also as HIST 282)		AREC 365	World Hunger, Population, and Food Supplies
JWST 235	History of the Jewish People II* (also as HIST 283)		AREC 445	Agricultural Development in the Third World
JWST 275	The Jew and the City through the Centuries* (also as HIST 286)		ARTH 375	Ancient Art and Archeology of Africa (formerly ARTH 475)
KNES 240	Exploring Cultural Diversity Through Movement		ARTH 376	Living Art of Africa (formerly ARTH 476)
LASC 234	Issues in Latin American Studies I* (also as PORT 234 and SPAN 234)		ARTH 384	Art of Japan (formerly ARTH 395)
LASC 235	Issues in Latin American Studies II* (also as PORT 235 and SPAN 235)		ARTH 385	Art of China (formerly ARTH 390)
LING 210	Structure of American Sign Language*		ARTH 485	Chinese Painting (formerly ARTH 490)
MUET 200	World Popular Musics and Gender (formerly: MUSC 248C)*		ARTH 486	Japanese Painting (formerly ARTH 495)
MUET 210	The Impact of Music on Life (formerly: MUSC 210)*		ARTT 463	Principles and Theory: African-American Art
MUET 220	Musics of the World (formerly: MUSC 248A)*		BSCI 302	Women and Science (formerly ZOO 313) (also as WMST 313)
PORT 224	Brazilian Culture (in English)*		BSCI 365	International Pesticide Problems and Solutions (formerly ENTM 303)
PORT 225	The Cultures of Portuguese-Speaking Africa		CCJS 370	Race, Crime and Criminal Justice
PORT 228A	Latin American Literatures and Society: An Interdisciplinary Approach to the Amazon Ecosystem (also as SPAN 228A)*		CCJS 498A	Special Topics in Criminology and Criminal Justice: Women and Crime
PORT 231	Introduction to the Literatures of the Portuguese Language		CHIN 313	Chinese Poetry and Prose in Translation
PORT 234	Issues in Latin American Studies I* (also as LASC 234 and SPAN 234)		CHIN 315	Modern Chinese Literature in Translation
PORT 235	Issues in Latin American Studies II* (also as LASC 235 and SPAN 235)		CLAS 309D	Diversity and Classics
RUSS 282	Contemporary Russian Culture*		CLAS 320	Women in Classical Antiquity (also as WMST 320)
SOCY 241	Inequality in American Society		COMM 324	Communication and Gender (formerly SPCH)
SPAN 222	Cultural Difference in Contemporary Latin American Culture*		COMM 360	The Rhetoric of Black America (formerly SPCH)
SPAN 223	US Latino Culture*		COMM 469A	Rhetoric of the Civil Rights Movement (formerly SPCH)
SPAN 224	Violence and Resistance in the Americas*		COMM 469B	Rhetoric of the Abolitionist and Suffrage Movement (formerly SPCH)
SPAN 228A	Latin American Literatures and Society: An Interdisciplinary Approach to the Amazon Ecosystem (also as PORT 228A)*		COMM 482	Intercultural Communication (formerly SPCH)
SPAN 234	Issues in Latin American Studies I* (also as LASC 234 and PORT 234)		EALL 300	The Languages of East Asia
SPAN 235	Issues in Latin American Studies II* (also as LASC 235 and PORT 235)		ECON 375	Economics of Poverty and Discrimination
THET 195	Gender and Performance*		EDCP 420	Education and Racism
THET 240	African Americans in Film and Theater*		ENGL 348	Literary Works by Women (Topic will vary; also as WMST 348.)
THET 293	Black Theatre and Performance I*		ENGL 360	African, Indian, and Caribbean Writers
THET 294	Black Theatre and Performance II*		ENGL 362	Caribbean Literature in English
WMST 200	Introduction to Women's Studies: Women and Society*		ENGL 368	Special Topics in the Literature of Africa and the African Diaspora (topics will vary)
WMST 210	Women in America to 1880* (also as HIST 210)		FMST 381	Poverty, Affluence, and Families
WMST 211	Women in America since 1880* (also as HIST 211)		FMST 430	Gender Issues in Families (also as WMST 430)
WMST 212	Women in Western Europe, 1750 - Present* (also as HIST 212)		FREN 482	Gender and Ethnicity in Modern French Literature
WMST 241	Women Writers of French Expression in Translation* (also as FREN 241)	FREN 485	Ideologies and Relations Between the Sexes in French Literature in Translation	
WMST 250	Introduction to Women's Studies: Women, Art, and Culture*	FREN 499B	Literature of Francophone Latin America	
WMST 255	Introduction to Literature by Women* (also as ENGL 250)	GEOG 323	Latin America	
WMST 275	World Literature by Women* (also as CMLT 275)	GEOG 326	Africa	
WMST 281	Women in German Literature and Society* (also as GERM 281)	GEOG 416	Overseas European Colonization and the Third World	
WMST 298X	Women, Crime, and the Law in England* (also as HIST 219X)	GERM 349M	Germanic Literatures in Translation: Masterworks of Yiddish Literature (also as JWST 375)	
		GVPT 447	Islamic Political Philosophy	
		GVPT 471	Women and Politics	
		HIST 314A	Crisis and Change in the Middle East and Africa: Nationalism and Nation-Building in the Middle East	
		HIST 316A	Crisis and Change in Latin America: Slavery and Race Relations in Latin America	
		HIST 461	Blacks in American Life: 1865 to Present	
		HIST 473	History of the Caribbean	
		HIST 474	History of Mexico and Central America I	
		HIST 475	History of Mexico and Central America II	

General Education for Undergraduate Students At CSULB, General Education is an important part of the undergraduate educational experience. A well-planned General Education program of study will provide students with the skills they will need to excel in whatever disciplines they choose to pursue. General Education for Undergraduate Students. At CSULB, General Education is an important part of the undergraduate educational experience. Regarding students who think general education requirements are pointless, she says this option isn't right for everyone. There are plenty of careers where a pointed program, like an associate degree, might be the perfect foundation for a skilled position. But a truly well-rounded education will help students think for themselves, deal with unforeseen issues, think critically, and solve problems. In the end, general education requirements are all about preparing students for the unknown. General Education Requirements. The University Senate enacted these requirements to ensure that all University of Connecticut undergraduate students become articulate and acquire intellectual breadth and versatility, critical judgment, moral sensitivity, awareness of their era and society, consciousness of the diversity of human culture and experience, and a working understanding of the processes by which they can continue to acquire and use knowledge.