

CIVIL ENGINEERING APPROVED ELECTIVES

SCIENCE

BIO 311C	Introductory Biology I
GEO 303	Introduction to Geology ♦
GEO 401	Physical Geology ♦

MATH/SCIENCE/ENGINEERING SCIENCE

BIO 311C	Introductory Biology I	GEO 316P	Sedimentary Rocks
BIO 311D	Introductory Biology II		
		M 427L	Advanced Calculus for Applications II
CH 318M	Organic Chemistry I <small>(Engineering)</small>	M 340L	Matrices and Matrix Calculations
CH 318N	Organic Chemistry II <small>(Engineering)</small>	M 362K	Probability I
CH 310M	Organic Chemistry I	M 372	Fourier Series and Boundary Value Problems
CH 310N	Organic Chemistry II	M 372K	Partial Differential Equations and Applications
CH 353	Physical Chemistry I <small>(Engineering)</small>	M 374	Fourier and Laplace Transforms
E E 331	Electric Circuits, Electronics and Machinery		
E M 339	Advanced Strength in Materials	M E 339	Heat Transfer
		M E 374F	Fire Science
GEO 303	Introduction to Geology ♦		
GEO 401	Physical Geology ♦	PHY 355	Modern Physics for Engineers

NOTE: It may be possible to substitute other courses that are not on the above list. Prior approval from the Undergraduate Advisor is required. Courses in the Course Schedule that include the statement “Designed for nonscience majors” or “May not be counted toward a degree in X” cannot count under any circumstance.

Frequently requested courses that are **NOT** acceptable as an approved science elective:

- **Astronomy:** AST 301, 302, 303, 307, 309, 309L, 309N, 309Q, 309R, 309S, 309T
- **Biology:** BIO 301C, 301D, 301L, 301M, 305E, 305F, 406D, 307D, 309D, 309F
- **Computer Science:** C S 302, 307
- **Geology:** GEO 302C, 302D, 302E, 302K, 302M, 302P, 305E, 307
- **Mathematics:** M 325K
- **Physical Science:** P S 303, 304

♦ GEO 303 and GEO 401 are equivalent courses. Only ONE may be counted toward the degree.

SOCIAL SCIENCE

These University of Texas at Austin classes satisfy the social science requirement for three hours of credit in one of the following areas: anthropology, economics, geography, linguistics, psychology, or sociology. Courses other than those on the list may be approved by the designated CAEE department Undergraduate Advisor; approval must be obtained prior to taking the course. Some courses shown may require prerequisites normally not satisfied in Civil or Architectural Engineering; consult the Course Schedule or Undergraduate Catalog, or inquire at the department offering the course.

ANT 302	Cultural Anthropology
ANT 318L	Mexican American Culture
ANT 322M	Topics in Cultures of the World
ANT 324L	Topics in Anthropology
ANT 327C	Topics in American Cultures
ECO 304K	Introduction to Microeconomics
ECO 304L	Introduction to Macroeconomics
GRG 305	This Human World: An Introduction to Geography
GRG 315	The City: An Introduction to Urban Geography
GRG 324	Cultural Geography of North America
GRG 334	Conservation, Resources, and Technology
GRG 337	The Modern American City
LIN 306	Introduction to the Study of Language
LIN 325	Introduction to the Study of African American English
PSY 301	Introduction to Psychology
SOC 302	Introduction to the Study of Society
SOC 309	Chicanos in American Society
SOC 313K	Introduction to the Study of Religion
SOC 333K	Sociology of Gender
SOC 344	Racial & Ethnic Relations
SOC 346	The City and Urbanization

FINE ARTS/HUMANITIES

These University of Texas at Austin courses satisfy the fine arts/humanities requirement for three hours of credit in one of the following areas: archaeology, architecture, art (excluding studio art), classics, theatre/dance (excluding studio courses), fine arts, humanities, music (excluding instruments and ensemble), or philosophy (excluding courses in logic). Courses other than those on the list may be approved by the designated CAEE department Undergraduate Advisor; approval must be obtained prior to taking the course. Some courses shown may require prerequisites normally not satisfied in Civil or Architectural Engineering; consult the Course Schedule or Undergraduate Catalog, or inquire at the department offering the course.

ARC 308	Architecture and Society
ARC 318K	History of Architecture, Survey I
ARC 318L	History of Architecture, Survey II
ARH 301	Introduction to the Visual Arts
ARH 302	Survey of Ancient through Medieval Art
ARH 303	Survey of Renaissance through Modern Art
CC 301	Introduction to Ancient Greece
CC 302	Introduction to Ancient Rome
CC 302K	Introduction to Archaeological Studies II: Classical Archaeology
CC 303	Introduction to Classical Mythology
CC 305	Topics in Roman Civilization: Private Life <u>or</u> Caesar & Augustus
CC 306M	Introduction to Medical and Scientific Terminology
CC 307K	Topics in Archaeology
MUS 302L	An Introduction to Western Music
MUS 303M	Introduction to Traditional Musics in World Cultures
MUS 342	Area Studies in Ethnomusicology
PHL 301	Introduction to Philosophy
PHL 304	Contemporary Moral Problems
PHL 305	Introduction to Philosophy of Religion
PHL 310	Knowledge and Reality
PHL 318	Introduction to Ethics
PHL 325K	Ethical Theories
PHL 325L	Business, Ethics, and Public Policy
PHL 327	Contemporary Philosophy
T D 301	Introduction to Theatre
T D 317C	Theatre History through the 18th Century
T D 317D	Theatre History since the 18th Century