

CIVIL ENGINEERING CORE CURRICULUM

American & Texas Government

Six semester hours.

- GOV 310L and one of the following:
- GOV 312L, 312P, 312R

American History

Six semester hours, of which three may be in Texas history.

- **Lower Division:** HIS 314K, 315G, 315K, 315L, 317L
- **Upper Division:** 329K, 333L, 333M, 334L, 334M, 336L, 340S, 341N, 345J, 345L, 345M, 350R, 351N, 351P, 355F, 355M, 355N, 355P, 355S, 356G, 356K, 356N, 356P, 356R, 357C, 357D, 357F, 357P, 365G, 373C, 376F
- **Texas History:** HIS 320L, 320P, 320R

Social & Behavioral Science

Three semester hours.

- **Anthropology:** ANT 302, 305, 307, 318L
- **Core Texts & Ideas:** CTI 302, 365
- **Economics:** ECO 301, 304K, 304L
- **Geography:** GRG 305, 306C, 307C, 309, 319
- **Linguistics:** LIN 306, 312
- **Psychology:** PSY 301
- **Religious Studies:** R S 310
- **Sociology:** SOC 302, 308, 308C, 308D, 309, 313K, 318, 319
- **Social Sciences:** S S 301 (Plan II ONLY)

Visual & Performing Arts

Three semester hours.

- **American Studies:** AMS 330
- **Architecture:** ARC 308, 318K, 318L
- **Art History:** ARH 301, 302, 303, 325, 327J, 327L, 327M, 327N, 327P, 327R, 329J, 329K, 329R, 330G, 331K, 331L, 331M, 332K, 332L, 333K, 333L, 334, 335N, 335P, 337K, 338L, 338M, 339J, 339K, 339L, 339M, 341K, 341L, 346, 347K, 347L, 347M, 359, 360L, 361, 361L, 362, 362R, 363, 364, 365, 366J, 366N, 366P, 367, 370, 372
- **Classical Civilization:** C C 301, 302, 303, 307C, 307D, 317
- **Core Texts & Ideas:** CTI 350, 351
- **Fine Arts:** F A 310, 320
- **Music:** MUS 302L, 302P, 303M, 303N, 303P, 606A, 307, 313, 334
- **Philosophy:** PHL 317K, 346
- **Radio, Television & Film:** RTF 305, 314, 316
- **Theatre & Dance:** T D 301, 302T
- **Visual Art Studies:** VAS 320

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 328M	Organic Chemistry I <small>(Engineering)</small>	M 340L	Matrices and Matrix Calculations
CH 328N	Organic Chemistry II <small>(Engineering)</small>	M 362K	Probability I
CH 320M	Organic Chemistry I	M 372	Fourier Series and Boundary Value Problems
CH 320N	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 311M	Dynamics	M E 320	Applied Thermodynamics
E M 339	Advanced Strength in Materials	M E 339	Heat Transfer
		M E 349	Corrosion Engineering
GEO 303	Introduction to Geology ♦	M E 374F	Fire Science
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.