

Civil Engineering - General Track with 128 Semester Hours

Effective: Fall 2024

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Fall (16)	Spring (16)	Fall (16 or 17)	Spring (17)	Fall (15)	Spring (16 or 18)	Fall (16)	Spring (13 or 15 or 16)
MATH 220 (4) Calculus - 1 KSC 3	MATH 221 (4) Calculus - 2 Pre: MATH 220 ^c KSC 3	Math/Science Elect KSC 3/KSC 4 MATH 222 (4) Pre: MATH 221 ^c OR CHM 230 (4) Pre: CHM 210 or CHM 220 OR PHYS 214 (5) [†] Pre: PHYS 213; Conc: MATH 221	MATH 340 (4) Differential Eqns Pre: MATH 221 ^c	STAT 510 (3) Prob and Stat - 1 Pre: MATH 221	CE 522 (3) Soil Mechanics Pre: CE 533 ^c ; CE 351 ^c	CE 502 (1) Proj Management Pre: Junior Standing	CE 503 (1) Proj Delivery Pre: Junior Standing
CHM 210 (4) Chemistry - 1 KSC 4	PHYS 213 (5) Engg Physics - 1 Conc: MATH 220 KSC 4		GEOL 100 (3) Earth in Action KSC 4	CE 537 (3) Intro Struct Analysis Pre: CE 533 ^c	CE 563 (3) Env Engg Fund Pre: CHM 210; MATH 221	CE 550 (3) Water Res Engg Pre: STAT 510; PHYS 213 (Alt. BAE 560)	CE 585 (3) Senior Design Proj Pre: ENGL 415; 6 hrs of CE Design Elect ^c
DEN 160 (1) Engr Orientation	CE 212 (3) Elem Surveying Engg Pre: MATH 150	CE 241 (3) Intro CE Materials	CE 533 (3) Mechanics of Matls Pre: CE 333 ^c or CE 530 ^c	ME 310 (2) Elem of Thermo Pre: MATH 221; PHYS 213	CE 571 (3) Intro to Trans Engg Pre: CE 212 ^c ; MATH 221; PHYS 213	CE Design Elect* (6) Choose two courses from different design areas ^a	CE Design Elect* (6) Choose two courses from different design areas ^a
DEN 161 (1) Engr Prob Solving	CE 301 (1) CE Problem Solving Pre: DEN 161 ^c	CE 333 (3) Statics Pre: MATH 221; PHYS 213	CE 534 (1) Mech of Matls Lab Conc: CE 533	CE 501 (1) Proj Econ Eval Pre: Junior Standing	DEN 325 (1) Engg Prof & Des Mak OR PHILO 185 (3) [†] Engg Ethics KSC 6	CE 528 (3) Foundation Engg Pre: CE 522 ^c CE 544 (3) Concrete Design Pre: CE 537 ^c CE 572 (3) Highway Engg Pre: CE 522 ^c ; CE 571 ^c	CE 441 (3) CE Material Design Pre: CE 241 ^c , CE 534 ^c CE 542 (3) Steel Design Pre: Pre: CE 537 ^c CE 552 (3) Hydraulic Engg Pre: CE 351 ^c ; CE 550 ^c CE 565 (3) Water/WW Engg Pre: CE 351 ^c ; CE 550 ^c ; CE 563 ^c
CE 202 (3) CE Graphics		Arts & Humanities (3) KSC 6	Social & Behavior Sciences (3) KSC 5	Arts & Humanities (3) KSC 6	Social & Behavior Sciences (3) KSC 5	Free Elective (3) KSC 7	Free Elective (3) [†] KSC 7
Written Communication KSC 1 ENGL 100 (3)	Written Communication KSC 1 ENGL 200 (3) OR ENGL 210 (3) Pre: ENGL 100	Oral Communication KSC 2 COMM 106 (3) OR COMM 109 (3) OR COMM 322 (3)	ME 512 (3) Dynamics Pre: CE 333 Conc: MATH 340	CE 351 (3) Incompr Fluid Mech Pre: CE 530 ^c or ME 512 ^c	ENGL 415 (3) Writ Comm for Engg Pre: Junior Standing; B or better in ENGL 100 or ENGL 200	CE Track Elect (3)	CE Track Elect (0 or 2 or 3) [†]
CE 015 (0) CE Assembly	CE 015 (0) CE Assembly	CE 015 (0) CE Assembly	CE 015 (0) CE Assembly	CE 015 (0) CE Assembly	CE 015 (0) CE Assembly	CE 015 (0) CE Assembly	CE 015 (0) CE Assembly

KSC = K-State Core Course

Pre = Prerequisite Course

Conc = Prerequisite or Concurrent Course

^c = Grade of "C" or better is required

Math / Science (KSC 3 & 4)

Program of Study

Basic Skills (KSC 1 & 2)

Art/Humanity or Social/Behavioral Science or free elect. (KSC 5,6,7)

CE Design Electives (2.25 GPA required for these 12 hours)

Track Electives

Fall Design Electives are CE 528, CE 544, and CE 572.

Spring Design Electives are CE 441, CE 542, CE 552, and CE 565.

Extra credits in PHYS 214 and PHILO 185 can be counted for track or free elective.

Design areas: Environmental, Geotechnical, Structural, Transportation/Materials, & Water Resources

Fall Only Offering

Spring Only Offering

Available in Summer

Design electives selected should cover at least four different design areas^a