

REQUIREMENTS FOR THE DEGREE OF
BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Accredited by the Engineering Accreditation Commission of ABET, <https://www.abet.org>

NOTICE: IN CASE OF DISAGREEMENT THIS ADVISING SHEET DOES NOT SUPERSEDE TAMUK CATALOG REQUIREMENTS CURRICULUM

^ *Creative arts* 3

17

SOPHOMORE YEAR

~CEEN 2113 Surveying Lab (co- CEEN 2212) 1

CIVIL ENGINEERING
DEGREE PLAN TRACKING SHEET

Catalog 2022-2023

Student Name: _____ K#: _____ Advisor: _____

FALL SEMESTER

FRESHMAN YEAR

SPRING SEMESTER

AEEN 1310	_____
ENGL 1301	_____
MATH 2413 (MATH 1348)	_____
PHYS 2325 (co- MATH 2413).....	_____
PHYS 2125 (co- PHYS 2325).....	_____
GEEN 1201	_____

ENGL 1302 (ENGL 1301).....	_____
HIST 1301	_____
MATH 2414 (MATH 2413).....	_____
PHYS 2326 (PHYS 2325/2125; co- MATH 2414)	_____
PHYS 2126 (co- PHYS 2326).....	_____
^Creative arts.....	_____

SOPHOMORE YEAR

~CEEN 2113 (co- CEEN 2212)	_____
~CEEN 2212 (AEEN 1310; co- MATH 2413)	_____
CEEN 2301 (PHYS 2325/2125; co- MATH 2414).....	_____
CHEM 1311 (MATH 1314 & H.S. Chemistry or CHEM 1481)...	_____
CHEM 1111 (co- CHEM 1311)	_____
HIST 1302	_____
POLS 2301.....	_____

CEEN 3311 (MATH 2414 & C or higher in CEEN 2301)	_____
MATH 3320 (MATH 2414).....	_____
MEEN 2302 (C or higher in CEEN 2301).....	_____
Computer Elective ¹	_____
^Communications ²	_____
^Language/Philosophy/Culture.....	_____

JUNIOR YEAR

~CEEN 3143 (co- CEEN 3342)	_____
CEEN 3303 (CEEN 3311)	_____
~CEEN 3342 (CEEN 3311)	_____
~CEEN 3392 (C or higher in CEEN 2301).....	_____
STAT 4303 (MATH 2414).....	_____
Science Elective ³	_____

~CEEN 3145 (co- CEEN 3244)	_____
~CEEN 3167 (CEEN 3392).....	_____
~CEEN 3244 (CEEN 3311).....	_____
~CEEN 3304 (CEEN 3303 & C or higher in CEEN 3311)	_____
~CEEN 3365 (CHEM 1311/1111; CEEN 3392).....	_____
Mathematics or Science Elective ⁵	_____
Special Elective ⁴	_____

SENIOR YEAR

CEEN 3317 (Junior standing in engineering)	_____
~CEEN 4279 (co-CEEN 3342/3143, CEEN 4316, CEEN 4362).....	_____
~CEEN 4316 (CEEN 3303).....	_____
~CEEN 4362 (CEEN 3392 & co- STAT 4303).....	_____
POLS 2302	_____
CEEN 4350 (CEEN 4279 or CEEN 4289).....	_____

~CEEN 4289 (CEEN 4279)	_____
~CEEN 4359 (CEEN 2212/2113 & senior standing in engr.)	_____
Engineering Elective ⁶	_____
Engineering Elective ⁶	_____
^Social/behavioral.....	_____

~ Courses offered once a year

Prerequisite and co-requisite courses are listed in parentheses.

Total Hours Required 130

NOTES:

¹ Computer Elective: MEEN 1320, CSEN 2304, or CEEN 3315. (Note: CEEN 3315 can be applied to degree only once.)

² Strongly recommended: COMS 2374 or ENGL 2374. (Both have ENGL 1302 as prerequisite.)

³ Approved science electives: BIOL 1306, GEOL 1303, GEOL 3305.

⁴ Special Elective: AEEN 3346 or EEEN 3331.

⁵ Mathematics or Science Electives (prerequisites vary):

CHEM 1312 or any approved upper-level biology, chemistry, or physics course.

MATH 3415, MATH 4341, MATH 4372, MATH 4374.

⁶ Engineering electives (prerequisites vary):

AEEN 4310 or CEEN 3315, 3389, 4314, 4326, 4336, 4340, 4364, 4367, 4368, or 4369.

^ For courses listed under Core Curriculum "Components" see "General Requirements for Graduation with a Baccalaureate Degree" in TAMUK undergraduate Catalog. Students may take the class of their choice listed within the Core Curriculum "Components."

Students with ACT scores in MATH below 22 must complete the following before enrolling in Calculus I: MATH 1314 + MATH 1316 + MATH 1348

All students must complete the following two major sequences of prerequisites (which impact preparedness for the senior design sequence):

1) MATH 2413 & PHYS 2325/2125 CEEN 2301 CEEN 3311 CEEN 3303 CEEN 3304 and CEEN 4316

2) MATH 2413 & PHYS 2325/2125 CEEN 2301 CEEN 3392 & STAT 4303 CEEN 3365 and CEEN 4362

Grades of "C" or higher are required in CEEN 2301 and CEEN 3311.

Students majoring in Civil Engineering must receive a grade of C or better in all engineering courses (AEEN, CEEN, EEEN, CSEN, etc.).

Candidates for the B.S. CEEN must also maintain a grade point average of 2.25 or higher in engineering and math/science course work.