

Abilene Approval Chart for Curriculum Changes

A = Approve I = Information Item R = Respond In Writing

Course Number: ENGR 272 or Degree Plan(s):

ENGR 272- Surveying and Geomatics

Was: *Prereq* - MATH 185, *Credit Hours*: 3 *Offering*: Fall Odd years

New: *Prereq*-Credit for or concurrent enrollment in MATH 124, *Credit Hours*: 1, *Offering*: Spring

Rationale: The material covered in this course does not require math beyond that in Math 124, additionally was a LLB (2 hours LEC, 3 hours LAB) now a LAB only. Content will decrease drastically to focus on the hands on skills of surveyors. Additionally the lab will be offered each spring.

Old Description:

Introduction to the use of modern surveying equipment, map projections, horizontal and vertical curves, earthwork and mapping for capturing data, data processing, and presentation of field data.

New Description:

Introduction to the use of modern surveying equipment, data processing, presentation of field data relative to engineering surveying. Includes differential leveling, horizontal and vertical curves.

Old Outcomes:

1. Apply fundamental surveying and geomatics concepts to real world applications (Homework, lab, exams)
2. Demonstrate knowledge and ability to use surveying equipment such as levels and total stations. (Homework, lab)
3. Used software tools such as Excel to perform mathematical operations required in geographically referenced data applications. (Homework, lab)
4. Analyze and interpret field survey data (Homework, lab, exam)
5. Demonstrate a knowledge of GPS and GIS and their application to real world engineering problems (Homework, lab, exam)

New Outcomes (All evaluated in lab):

1. Demonstrate knowledge and ability to use surveying equipment such as levels and total stations.
2. Used software tools such as Excel to perform mathematical operations required in geographically referenced data applications.
3. Analyze and interpret field survey data

		De pt./ Sch ool	Coll ege	Dea n	TEC	AU AC/ Gra d	Pro vos t
	Campus-Level Academic Review¹						
	Change to a Course Include signatures from all chairs/program directors for cross-listed courses. ¹						
1.	Title (description unchanged)	A	A	A	I	I	I
2.	Description (not affecting content)	A	A	A	I	I	I
3.	Course term(s)	A	I	A	I	I	I
4.	Content (change of course outcomes)	A	A	A	I	I	A
5.	Number of credit hours	A	A	A	A	A	A
6.	Course number within the hundred	A	A	I	I	I	I
7.	Course number beyond the hundred	A	A	A	A	A	A
8.	Prerequisites	A	A	A	I	I	I
9.	Course restriction (e.g., majors only, junior standing)	A	A	A	A	A	A
10.	Level change (U to G or G to U)	A	A	A	A	A	A
11.	Cross list course	A	A	A	A	A	A
12.	Department of record	A	A	A	A	A	A
13.	Open or close a course	A	A	A	A	A	A
	Change to a Degree Plan						
14.	Educational Program — Revise	A	A	A	A	A	A
15.	Educational Program — Adopt/revise admission requirements	A	A	A	A	A	A
16.	GPA — Revise program-required GPA	A	A	A	A	A	A
17.	Minor — Revise	A	A	A	A	A	A

		De pt. /Sc hol	Col leg e	De an	TE C	AU AC/ Grad	Pro vos t	Ca mp us Fac ult y	Se nio r VP AA	Pre sid ent
	Full Review									
	Change to Catalog Information (for Campus)									
18.	General requirements for Bachelor's and Associate Degrees	-	-	-	-	A	A	A	A	I
19.	Policies governing academic probation and suspension	-	-	-	-	A	A	A	A	I
20.	Requirements for graduating with honors	-	-	-	-	A	A	A	A	I
	Change to a Degree Plan									
21.	Educational Program — Add or Discontinue ²³	A	A	A	A	A	A	A	A	I
22.	Educational Program — Discontinue (Provost-proposed)	R	-	R	A	A	A	A	A	I
23.	Minor — Add or Discontinue	A	A	A	A	A	A	-	A	I
24.	Minor — Discontinue (Provost-proposed)	R	-	R	A	A	A	-	A	I
25.	Degree — Add or Discontinue	A	A	A	A	A	A	A	A	I
26.	Degree — Discontinue (Provost-proposed)	R	-	R	A	A	A	A	A	I

		De pt. /Sch ool	Col leg e	Dea n	TEC	AU AC/ Grad	Pro vos t	Ca mp us Fac ult y	Sen ior VP AA	Pre sid ent
	Change to General Education Requirements for Undergraduates (System)									
27.	Change course outcomes of an included course	A	A	A	A	A	A	-	A	I
28.	Add or drop a required course from the General Education Requirements	A	-	A	-	A	A	A	A	I
29.	Add or drop a course from a menu within the General Education Requirements	A	-	A	-	A	A	-	A	I
30.	Comprehensive revision of General Education Requirements	-	-	-	-	A	A	A	A	I

Notes

² Any change to a cross-listed course requires the signature of both department chairs or program directors overseeing the course to ensure that the courses stay in sync. This includes courses taught at other campuses (e.g. BIBL 101 and BIBO 101).

³ For undergraduate majors, a minimum of 30 hours is required. These programs must have a minimum of 6 elective hours, unless the requirements of external accrediting bodies make it impossible. Master's programs must include a minimum of 30 hours, and doctoral programs must include a minimum of 30 hours beyond the master's.

⁴ When a department/school or dean proposes closing a program, approval routing follows the typical process beginning with the department/school. An administrative proposal by the provost or senior vice president for academic affairs would follow the “provost-proposed” routing on the chart.

Updated 8/1/2023

Department/School(s)



12/1/23

Chair Signature

Date

Chair/Program Director Signature

Date

College Academic Council(s)



3/22/24

Chair Signature

Date

Chair Signature

Date

Dean(s)



3/22/24

Signature

Date

Signature

Date

Teacher Education Council

Signature

Date

**Campus Academic Council:
Abilene Undergraduate or Abilene Graduate**

Signature

Date

Provost

Signature

Date

University General Education Council

Signature

Date

University Faculty

Abilene Faculty Senate Chair signature

Date

Dallas Faculty Council Chair signature

Date

Senior Vice President for Academic Affairs

Signature

Date

President

Signature

Date