



Core Academic/Elective Career and Technical Education (CTE) Courses 19-20

Updated 10/1/19

	Course		Credit Satisfied	Service code	Required TEA training	Certification Chapter 231
1	Business English*	TEKS	English IV	13011600	N/A; see note	Certification Link
2	Digital Electronics	TEKS	Mathematics	13037600	Yes	Certification Link
3	Accounting II	TEKS	Mathematics	13016700	Yes	Certification Link
4	Applied Mathematics for Technical Professionals	TEKS	Mathematics	12701410	Yes	Certification Link
5	Financial Mathematics	TEKS	Mathematics	13018000	Yes	Certification Link
6	Manufacturing Engineering Technology II	TEKS	Mathematics	13032950	Yes	Certification Link
7	Mathematical Applications in Agriculture, Food, and Natural Resources	TEKS	Mathematics	13001000	Yes	Certification Link
8	Robotics II	TEKS	Mathematics	13037050	Yes	Certification Link
9	Engineering Mathematics (pre-req Alg II)	TEKS	Mathematics	13036700	Yes	Certification Link
10	Statistics and Business Decision Making (pre-req Alg II)	TEKS	Mathematics	13016900	Yes	Certification Link
11	Mathematics for Medical Professionals (pre-req Alg II)	TEKS	Mathematics	13020970	Yes	Certification Link
12	Advanced Animal Science	TEKS	Science	13000700	Yes	Certification Link
13	Advanced Plant & Soil Science	TEKS	Science	13002100	Yes	Certification Link
14	Anatomy and Physiology	TEKS	Science	13020600	Yes	Certification Link
15	Biotechnology I	TEKS	Science	13036400	Yes	Certification Link
16	Biotechnology II (new course)	TEKS	Science	13036450	Yes	Certification Link
17	Engineering Design and Problem Solving	TEKS	Science	13037300	Yes	Certification Link
18	Engineering Science	TEKS	Science	13037500	Yes	Certification Link
19	Food Science	TEKS	Science	13023000	Yes	Certification Link
20	Forensic Science	TEKS	Science	13029500	Yes	Certification Link
21	Medical Microbiology	TEKS	Science	13020700	Yes	Certification Link
22	Pathophysiology	TEKS	Science	13020800	Yes	Certification Link
23	Principles of Technology	TEKS	Science	13037100	Yes	Certification Link
24	Scientific Research and Design (I,II & III)	TEKS	Science	13037200 (I) 13037210 (II) 13037220 (III)	Yes	Certification Link

Elective/CTE credits Non-CORE		Credit Satisfied	Service Code	Certification Chapter 231	SPECIAL NOTES
Professional Communications	TEKS	Speech (.5 credit)	13009900	Certification Link	
Floral Design	TEKS	Fine Arts (1 credit)	13001800	Certification Link	Elective/CTE credit can be used in 74.12 to satisfy the fine arts credit not yet found in 74.13 endorsements
General Employability Skills <i>(Special Note: Must have local school board approval as this is an innovative class)</i>	Course Description	CTE Credit (consider SPED)	N1270153	Teacher qualifications held in the TEKS for innovative classes, held by TEA. TEKS obtained by request all innovative classes must have school board approval	Consider for Life Skills 9-12. Can be taught by the Any CTE certified teacher or Teacher of Students with Visual Impairments, Grades EC-12, Supplemental Certification; or Special Education, Grades EC-12

TEA Gateway Training Links:

CTE 101 recommended but not required for: *Business English (13011600); other CTE courses

Science Safety Training for High School (required for CTE Science classes)

For Math Core Credit:

For Science Core Credit:

Note: Floral Design – a certified ART teacher can teach the course, see link for certificate information.
This was just approved and effective as of October 20, 2019.

[CTE 101: Career and Technical Education in Texas](#)

[TEA Science Safety Training for High School](#)

[Introduction to Integrating Math into CTE Classrooms, Part 1 & 2](#)

[Introduction to Integrating Science into CTE Classrooms, Part 1 & 2](#)