Chapter 130. Texas Essential Knowledge and Skills for Career and Technical Education

Subchapter A. Agriculture, Food, and Natural Resources

§130.1. Implementation of Texas Essential Knowledge and Skills for Agriculture, Food, and Natural Resources, Adopted 2015.

§130.2. Principles of Agriculture, Food, and Natural Resources (One Credit), Adopted 2015.

§130.3. Professional Standards in Agribusiness (One-Half Credit), Adopted 2015.

§130.4. Agribusiness Management and Marketing (One Credit), Adopted 2015.

§130.5. Mathematical Applications in Agriculture, Food, and Natural Resources (One Credit), Adopted 2015.

§130.6. Equine Science (One-Half Credit), Adopted 2015.

§130.7. Livestock Production (One Credit), Adopted 2015.

§130.8. Small Animal Management (One-Half Credit), Adopted 2015.

§130.9. Veterinary Medical Applications (One Credit), Adopted 2015.

§130.10. Advanced Animal Science (One Credit), Adopted 2015.

§130.11. Energy and Natural Resource Technology (One Credit), Adopted 2015.


§130.13. Food Technology and Safety (One Credit), Adopted 2015.

§130.14. Food Processing (One Credit), Adopted 2015.

§130.15. Wildlife, Fisheries, and Ecology Management (One Credit), Adopted 2015.

§130.16. Forestry and Woodland Ecosystems (One Credit), Adopted 2015.

§130.17. Range Ecology and Management (One Credit), Adopted 2015.

§130.18. Floral Design (One Credit), Adopted 2015.

§130.19. Landscape Design and Management (One-Half Credit), Adopted 2015.

§130.20. Turf Grass Management (One-Half Credit), Adopted 2015.

§130.21. Horticultural Science (One Credit), Adopted 2015.

§130.22. Greenhouse Operation and Production (One Credit), Adopted 2015.

§130.23. Advanced Plant and Soil Science (One Credit), Adopted 2015.


§130.25. Agricultural Structures Design and Fabrication (One Credit), Adopted 2015.


§130.27. Agricultural Power Systems (Two Credits), Adopted 2015.

§130.28. Agricultural Laboratory and Field Experience (One Credit), Adopted 2015.

§130.29. Practicum in Agriculture, Food, and Natural Resources (Two Credits), Adopted 2015.

§130.30. Extended Practicum in Agriculture, Food, and Natural Resources (One Credit), Adopted 2015.

Subchapter B. Architecture and Construction

§130.42. Principles of Architecture (One Credit), Adopted 2015.

§130.43. Principles of Construction (One Credit), Adopted 2015.

§130.44. Building Maintenance Technology I (Two Credits), Adopted 2015.

§130.45. Building Maintenance Technology II (Two Credits), Adopted 2015.

§130.46. Construction Management I (Two Credits), Adopted 2015.

§130.47. Construction Management II (Two Credits), Adopted 2015.

§130.48. Construction Technology I (Two Credits), Adopted 2015.

§130.49. Construction Technology II (Two Credits), Adopted 2015.

§130.50. Mill and Cabinetmaking Technology (Two Credits), Adopted 2015.

§130.51. Masonry Technology I (Two Credits), Adopted 2015.

§130.52. Masonry Technology II (Two Credits), Adopted 2015.

§130.53. Architectural Design I (One Credit), Adopted 2015.

§130.54. Architectural Design II (Two Credits), Adopted 2015.

§130.55. Interior Design I (One Credit), Adopted 2015.

§130.56. Interior Design II (Two Credits), Adopted 2015.

§130.57. Electrical Technology I (One Credit), Adopted 2015.

§130.58. Electrical Technology II (Two Credits), Adopted 2015.

§130.59. Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I (One Credit), Adopted 2015.

§130.60. Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II (Two Credits), Adopted 2015.

§130.61. Plumbing Technology I (One Credit), Adopted 2015.

§130.62. Plumbing Technology II (Two Credits), Adopted 2015.

§130.63. Practicum in Construction Management (Two Credits), Adopted 2015.

§130.64. Practicum in Construction Technology (Two Credits), Adopted 2015.

§130.65. Practicum in Masonry Technology (Two Credits), Adopted 2015.

§130.66. Practicum in Architectural Design (Two Credits), Adopted 2015.

§130.67. Practicum in Interior Design (Two Credits), Adopted 2015.

§130.68. Extended Practicum in Construction Management (One Credit), Adopted 2015.

§130.69. Extended Practicum in Construction Technology (One Credit), Adopted 2015.

§130.70. Extended Practicum in Masonry Technology (One Credit), Adopted 2015.

§130.71. Extended Practicum in Architectural Design (One Credit), Adopted 2015.

§130.72. Extended Practicum in Interior Design (One Credit), Adopted 2015.

Subchapter C. Arts, Audio/Video Technology, and Communications

§130.81. Implementation of Texas Essential Knowledge and Skills for Arts, Audio/Video Technology, and Communications, Adopted 2015.
§130.82. Principles of Arts, Audio/Video Technology, and Communications (One Credit), Adopted 2015.
§130.83. Animation I (One Credit), Adopted 2015.
§130.84. Animation I Lab (One Credit), Adopted 2015.
§130.85. Animation II (One Credit), Adopted 2015.
§130.86. Animation II Lab (One Credit), Adopted 2015.
§130.87. Audio/Video Production I (One Credit), Adopted 2015.
§130.88. Audio/Video Production I Lab (One Credit), Adopted 2015.
§130.89. Audio/Video Production II (One Credit), Adopted 2015.
§130.90. Audio/Video Production II Lab (One Credit), Adopted 2015.
§130.91. Digital Audio Technology I (One Credit), Adopted 2015.
§130.92. Digital Audio Technology II (One Credit), Adopted 2015.
§130.93. Video Game Design (One Credit), Adopted 2015.
§130.94. Printing and Imaging Technology I (One Credit), Adopted 2015.
§130.95. Printing and Imaging Technology I Lab (One Credit), Adopted 2015.
§130.96. Printing and Imaging Technology II (One Credit), Adopted 2015.
§130.97. Printing and Imaging Technology II Lab (One Credit), Adopted 2015.
§130.98. Commercial Photography I (One Credit), Adopted 2015.
§130.99. Commercial Photography I Lab (One Credit), Adopted 2015.
§130.100. Commercial Photography II (One Credit), Adopted 2015.
§130.101. Commercial Photography II Lab (One Credit), Adopted 2015.
§130.102. Fashion Design I (One Credit), Adopted 2015.
§130.103. Fashion Design I Lab (One Credit), Adopted 2015.
§130.104. Fashion Design II (One Credit), Adopted 2015.
§130.105. Fashion Design II Lab (One Credit), Adopted 2015.
§130.106. Graphic Design and Illustration I (One Credit), Adopted 2015.
§130.107. Graphic Design and Illustration I Lab (One Credit), Adopted 2015.
§130.108. Graphic Design and Illustration II (One Credit), Adopted 2015.
§130.109. Graphic Design and Illustration II Lab (One Credit), Adopted 2015.
§130.110. Professional Communications (One-Half Credit), Adopted 2015.
§130.111. Practicum in Animation (Two Credits), Adopted 2015.
§130.112. Practicum in Audio/Video Production (Two Credits), Adopted 2015.
§130.113. Practicum in Printing and Imaging Technology (Two Credits), Adopted 2015.
§130.114. Practicum in Commercial Photography (Two Credits), Adopted 2015.
§130.115. Practicum in Fashion Design (Two Credits), Adopted 2015.
§130.116. Practicum in Graphic Design and Illustration (Two Credits), Adopted 2015.
§130.117. Extended Practicum in Animation (One Credit), Adopted 2015.
§130.118. Extended Practicum in Audio/Video Production (One Credit), Adopted 2015.
§130.119. Extended Practicum in Printing and Imaging Technology (One Credit), Adopted 2015.
§130.120. Extended Practicum in Commercial Photography (One Credit), Adopted 2015.
§130.121. Extended Practicum in Fashion Design (One Credit), Adopted 2015.
§130.122. Extended Practicum in Graphic Design and Illustration (One Credit), Adopted 2015.
§130.123. Digital Design and Media Production (One Credit).
§130.124. Digital Art and Animation (One Credit).
§130.125. 3-D Modeling and Animation (One Credit)
§130.126. Digital Communications in the 21st Century (One Credit).
§130.127. Web Game Development (One Credit).

Subchapter D. Business Management and Administration

§130.131. Implementation of Texas Essential Knowledge and Skills for Business Management and Administration, Adopted 2015.
§130.133. Touch System Data Entry (One-Half Credit), Adopted 2015.
§130.135. Business English (One Credit), Adopted 2015.
§130.136. Business Information Management I (One Credit), Adopted 2015.
§130.137. Business Information Management II (One Credit), Adopted 2015.
§130.138. Business Lab (One Credit), Adopted 2015.
§130.139. Business Management (One Credit), Adopted 2015.
§130.140. Global Business (One-Half Credit), Adopted 2015.
§130.141. Virtual Business (One-Half Credit), Adopted 2015.
§130.142. Human Resources Management (One-Half Credit), Adopted 2015.
§130.143. Practicum in Business Management (Two Credits), Adopted 2015.
§130.144. Extended Practicum in Business Management (One Credit), Adopted 2015.

Subchapter E. Education and Training

§130.163. Human Growth and Development (One Credit), Adopted 2015.
§130.164. Instructional Practices (Two Credits), Adopted 2015.
§130.165. Practicum in Education and Training (Two Credits), Adopted 2015.
§130.166. Extended Practicum in Education and Training (One Credit), Adopted 2015.

Subchapter F. Finance

§130.182. Money Matters (One Credit), Adopted 2015.
§130.184. Securities and Investments (One Credit), Adopted 2015.
§130.185. Insurance Operations (One Credit), Adopted 2015.
§130.186. Banking and Financial Services (One-Half Credit), Adopted 2015.
§130.187. Accounting I (One Credit), Adopted 2015.
§130.188. Accounting II (One Credit), Adopted 2015.
§130.190. Statistics and Business Decision Making (One Credit), Adopted 2015.

Subchapter G. Government and Public Administration

§130.201. Implementation of Texas Essential Knowledge and Skills for Government and Public Administration, Adopted 2015.
§130.203. Political Science I (One Credit), Adopted 2015.
§130.204. Political Science II (One Credit), Adopted 2015.
§130.205. Foreign Service and Diplomacy (One Credit), Adopted 2015.
§130.206. Planning and Governance (One Credit), Adopted 2015.
§130.207. National Security (One Credit), Adopted 2015.
§130.208. Public Management and Administration (One Credit), Adopted 2015.
§130.209. Revenue, Taxation, and Regulation (One Credit), Adopted 2015.
§130.211. Extended Practicum in Local, State, and Federal Government (One Credit), Adopted 2015.

Subchapter H. Health Science

§130.221. Implementation of Texas Essential Knowledge and Skills for Health Science, Adopted 2015.
§130.222. Principles of Health Science (One Credit), Adopted 2015.
§130.223. Medical Terminology (One Credit), Adopted 2015.
§130.224. Anatomy and Physiology (One Credit), Adopted 2015.
§130.225. Medical Microbiology (One Credit), Adopted 2015.
§130.226. World Health Research (One Credit), Adopted 2015.
§130.227. Pathophysiology (One Credit), Adopted 2015.
§130.228. Health Informatics (One Credit), Adopted 2015.
§130.229. Mathematics for Medical Professionals (One Credit), Adopted 2015.
§130.230. Pharmacology (One Credit), Adopted 2015.
§130.231. Health Science Theory (One Credit), Adopted 2015.
§130.232. Health Science Clinical (One Credit), Adopted 2015.
§130.233. Practicum in Health Science (Two Credits), Adopted 2015.
§130.234. Extended Practicum in Health Science (One Credit), Adopted 2015.

Subchapter I. Hospitality and Tourism
§130.251. Implementation of Texas Essential Knowledge and Skills for Hospitality and Tourism, Adopted 2015.
§130.252. Principles of Hospitality and Tourism (One Credit), Adopted 2015.
§130.253. Introduction to Culinary Arts (One Credit), Adopted 2015.
§130.254. Culinary Arts (Two Credits), Adopted 2015.
§130.255. Advanced Culinary Arts (Two Credits), Adopted 2015.
§130.256. Food Science (One Credit), Adopted 2015.
§130.257. Practicum in Culinary Arts (Two Credits), Adopted 2015.
§130.258. Travel and Tourism Management (One Credit), Adopted 2015.
§130.259. Hotel Management (One Credit), Adopted 2015.
§130.260. Hospitality Services (Two Credits), Adopted 2015.
§130.261. Practicum in Hospitality Services (Two Credits), Adopted 2015.
§130.262. Extended Practicum in Culinary Arts (One Credit), Adopted 2015.
§130.263. Extended Practicum in Hospitality Services (One Credit), Adopted 2015.

Subchapter J. Human Services

§130.271. Implementation of Texas Essential Knowledge and Skills for Human Services, Adopted 2015.
§130.272. Principles of Human Services (One Credit), Adopted 2015.
§130.273. Dollars and Sense (One-Half Credit), Adopted 2015.
§130.274. Lifetime Nutrition and Wellness (One-Half Credit), Adopted 2015.
§130.275. Interpersonal Studies (One-Half Credit), Adopted 2015.
§130.276. Counseling and Mental Health (One Credit), Adopted 2015.
§130.277. Child Development (One Credit), Adopted 2015.
§130.278. Child Guidance (Two Credits), Adopted 2015.
§130.279. Family and Community Services (One Credit), Adopted 2015.
§130.280. Practicum in Human Services (Two Credits), Adopted 2015.
§130.281. Principles of Cosmetology Design and Color Theory (One Credit), Adopted 2015.
§130.282. Introduction to Cosmetology (One Credit), Adopted 2015.
§130.283. Cosmetology I (Two Credits), Adopted 2015.
§130.284. Cosmetology II (Two Credits), Adopted 2015.
§130.285. Extended Practicum in Human Services (One Credit), Adopted 2015.
§130.286. Cosmetology I Lab (One Credit), Adopted 2018.
§130.287. Cosmetology II Lab (One Credit), Adopted 2018.

Subchapter K. Information Technology

§130.301. Implementation of Texas Essential Knowledge and Skills for Information Technology, Adopted 2015.
§130.302. Principles of Information Technology (One Credit), Adopted 2015.
§130.303. Computer Maintenance (One Credit), Adopted 2015.
§130.304. Computer Maintenance Lab (One Credit), Adopted 2015.
§130.305. Networking (One Credit), Adopted 2015.
§130.306. Networking Lab (One Credit), Adopted 2015.
§130.307. Digital Media (One Credit), Adopted 2015.
§130.311. Computer Technician Practicum (Two Credits), Adopted 2015.
§130.312. Practicum in Information Technology (Two Credits), Adopted 2015.
§130.313. Extended Computer Technician Practicum (One Credit), Adopted 2015.
§130.314. Extended Practicum in Information Technology (One Credit), Adopted 2015.
§130.315. Web Communications (One-Half Credit).
§130.316. Web Design (One Credit).
§130.317. Independent Study in Technology Applications (One Credit), Beginning with School Year 2012-2013.
§130.318. Independent Study in Evolving/Emerging Technologies (One Credit).

Subchapter L. Law, Public Safety, Corrections, and Security

§130.333. Correctional Services (One Credit), Adopted 2015.
§130.334. Firefighter I (Two Credits), Adopted 2015.
§130.335. Firefighter II (Three Credits), Adopted 2015.
§130.336. Law Enforcement I (One Credit), Adopted 2015.
§130.337. Law Enforcement II (One Credit), Adopted 2015.
§130.338. Criminal Investigation (One Credit), Adopted 2015.
§130.339. Forensic Science (One Credit), Adopted 2015.
§130.341. Federal Law Enforcement and Protective Services (One Credit), Adopted 2015.
§130.342. Practicum in Law, Public Safety, Corrections, and Security (Two Credits), Adopted 2015.
§130.343. Extended Practicum in Law, Public Safety, Corrections, and Security (One Credit), Adopted 2015.

Subchapter M. Manufacturing

§130.351. Implementation of Texas Essential Knowledge and Skills for Manufacturing, Adopted 2015.
§130.352. Principles of Manufacturing (One Credit), Adopted 2015.
§130.353. Diversified Manufacturing I (One Credit), Adopted 2015.
§130.354. Diversified Manufacturing II (One Credit), Adopted 2015.
§130.355. Manufacturing Engineering Technology I (One Credit), Adopted 2015.
§130.356. Manufacturing Engineering Technology II (One Credit), Adopted 2015.
§130.357. Metal Fabrication and Machining I (Two Credits), Adopted 2015.
§130.358. Metal Fabrication and Machining II (Two Credits), Adopted 2015.
§130.359. Precision Metal Manufacturing I (Two Credits), Adopted 2015.
§130.360. Precision Metal Manufacturing II (Two Credits), Adopted 2015.
§130.361. Precision Metal Manufacturing II Lab (One Credit), Adopted 2015.
§130.362. Introduction to Welding (One Credit), Adopted 2015.
§130.363. Welding I (Two Credits), Adopted 2015.
§130.364. Welding II (Two Credits), Adopted 2015.
§130.365. Welding II Lab (One Credit), Adopted 2015.
§130.366. Practicum in Manufacturing (Two Credits), Adopted 2015.
§130.367. Extended Practicum in Manufacturing (One Credit), Adopted 2015.

Subchapter N. Marketing
§130.381. Implementation of Texas Essential Knowledge and Skills for Marketing, Adopted 2015.
§130.382. Advertising (One-Half Credit), Adopted 2015.
§130.383. Fashion Marketing (One-Half Credit), Adopted 2015.
§130.384. Entrepreneurship (One Credit), Adopted 2015.
§130.385. Social Media Marketing (One-Half Credit), Adopted 2015.
§130.386. Sports and Entertainment Marketing (One-Half Credit), Adopted 2015.
§130.387. Practicum in Marketing (Two Credits), Adopted 2015.
§130.388. Extended Practicum in Marketing (One Credit), Adopted 2015.
§130.389. Advanced Marketing (Two Credits), Adopted 2015.

Subchapter O. Science, Technology, Engineering, and Mathematics
§130.403. Principles of Biosciences (One Credit), Adopted 2015.
§130.404. Principles of Technology (One Credit), Adopted 2015.
§130.405. AC/DC Electronics (One Credit), Adopted 2015.
§130.407. Digital Electronics (One Credit), Adopted 2015.
§130.408. Robotics I (One Credit), Adopted 2015.
§130.409. Robotics II (One Credit), Adopted 2015.
§130.410. Engineering Design and Presentation I (One Credit), Adopted 2015.
§130.411. Engineering Design and Presentation II (Two Credits), Adopted 2015.
§130.412. Engineering Design and Problem Solving (One Credit), Adopted 2015.
§130.413. Engineering Mathematics (One Credit), Adopted 2015.
§130.414. Engineering Science (One Credit), Adopted 2015.
§130.415. Biotechnology I (One Credit), Adopted 2015.
§130.416. Biotechnology II (One Credit), Adopted 2015.
§130.417. Scientific Research and Design (One Credit), Adopted 2015.
§130.418. Practicum in Science, Technology, Engineering, and Mathematics (Two Credits), Adopted 2015.
§130.419. Extended Practicum in Science, Technology, Engineering, and Mathematics (One Credit), Adopted 2015.
§130.420. Fundamentals of Computer Science (One Credit).
§140.421. Computer Science I (One Credit).
§130.422. Computer Science II (One Credit).
§130.423. Computer Science III (One Credit).
§130.424. Digital Forensics (One Credit), Beginning with School Year 2019-2020.
§130.425. Discrete Mathematics for Computer Science (One Credit), Beginning with School Year 2012-2013.
§130.426. Game Programming and Design (One Credit).
§130.427. Mobile Application Development (One Credit).
§130.428. Foundations of Cybersecurity (One Credit).
§130.429. Cybersecurity Capstone (One Credit).
§130.430. Advanced Placement (AP) Computer Science A (Two Credits).
§130.431. Advanced Placement (AP) Computer Science Principles (One Credit).
§130.432. International Baccalaureate (IB) Computer Science Standard Level (Two Credits)
§130.433. International Baccalaureate (IB) Computer Science Higher Level (Two Credits).
§130.434. International Baccalaureate (IB) Information Technology in a Global Society Standard Level (Two Credits).
§130.435. International Baccalaureate (IB) Information Technology in a Global Society Higher Level (Two Credits).

Subchapter P. Transportation, Distribution, and Logistics

§130.442. Principles of Transportation Systems (One Credit), Adopted 2015.
§130.443. Principles of Distribution and Logistics (One Credit), Adopted 2015.
§130.444. Introduction to Transportation Technology (One-Half Credit), Adopted 2015.
§130.445. Small Engine Technology I (One Credit), Adopted 2015.
§130.446. Small Engine Technology II (Two Credits), Adopted 2015.
§130.447. Automotive Basics (One Credit), Adopted 2015.
§130.449. Automotive Technology I: Maintenance and Light Repair (Two Credits), Adopted 2015.
§130.450. Automotive Technology II: Automotive Service (Two Credits), Adopted 2015.
§130.451. Advanced Transportation Systems Laboratory (One Credit), Adopted 2015.
§130.452. Introduction to Aircraft Technology (One Credit), Adopted 2015.
§130.453. Aircraft Airframe Technology (Two Credits), Adopted 2015.
§130.454. Aircraft Powerplant Technology (Two Credits), Adopted 2015.
§130.455. Basic Collision Repair and Refinishing (One Credit), Adopted 2015.
§130.456. Collision Repair (Two Credits), Adopted 2015.
§130.457. Paint and Refinishing (Two Credits), Adopted 2015.
§130.458. Diesel Equipment Technology I (Two Credits), Adopted 2015.
§130.459. Diesel Equipment Technology II (Two Credits), Adopted 2015.
§130.461. Management of Transportation Systems (One Credit), Adopted 2015.
§130.462. Distribution and Logistics (One Credit), Adopted 2015.
§130.463. Practicum in Transportation Systems (Two Credits), Adopted 2015.
§130.464. Practicum in Distribution and Logistics (Two Credits), Adopted 2015.
§130.466. Extended Practicum in Distribution and Logistics (One Credit), Adopted 2015.

Subchapter Q. Energy

§130.485. Oil and Gas Production I (One Credit).
§130.486. Oil and Gas Production II (One Credit).
§130.487. Oil and Gas Production III (One Credit).
§130.488. Oil and Gas Production IV (One Credit).
§130.489. Introduction to Process Technology (One Credit).
§130.490. Foundations of Energy (One Credit).
§130.491. Petrochemical Safety, Health, and Environment (One Credit).