

## 19 TAC Chapter 127. Texas Essential Knowledge and Skills for Career Development and Career and Technical Education

### *State Board of Education Rules*

#### Subchapter A. Middle School

§127.2. Career and College Exploration.

#### Subchapter B. High School

§127.13. Applied Mathematics for Technical Professionals (One Credit), Adopted 2015.

§127.17. Career and Technical Education Standards in Occupational Safety and Health, Adopted 2023.

§127.19. Career and Technical Education Project-Based Capstone (One Credit), Adopted 2023.

§127.20. Career Preparation General (Two Credits), Adopted 2023.

§127.21. Career Preparation for Programs of Study (Two Credits), Adopted 2023.

§127.22. Extended Career Preparation (One Credit), Adopted 2023.

#### Subchapter C. Agriculture, Food, and Natural Resources

§127.30. Principles of Agriculture, Food, and Natural Resources (One Credit), Adopted 2024.

§127.45. Professional Standards and Communication in Agribusiness (One Credit), Adopted 2024.

§127.46. Agribusiness Management and Marketing (One Credit), Adopted 2024.

§127.47. Agricultural Leadership, Research, and Communications (One Credit), Adopted 2024.

§127.48. Equine Science (One-Half Credit), Adopted 2024.

§127.49. Livestock and Poultry Production (One Credit), Adopted 2024.

§127.50. Small Animal Management (One-Half Credit), Adopted 2024.

§127.51. Veterinary Science (One Credit), Adopted 2024.

§127.52. Advanced Animal Science (One Credit), Adopted 2024.

§127.53. Floral Design (One Credit), Adopted 2024.

§127.54. Horticultural Science (One Credit), Adopted 2024.

§127.55. Greenhouse Operation and Production (One Credit), Adopted 2024.

§127.56. Viticulture (One Credit), Adopted 2024.

§127.57. Advanced Floral Design (One Credit), Adopted 2024.

§127.58. Advanced Plant and Soil Science (One Credit), Adopted 2024.

§127.86. Practicum in Agriculture, Food, and Natural Resources (Two Credits), Adopted 2024.

§127.87. Extended Practicum in Agriculture, Food, and Natural Resources (One Credit), Adopted 2024.

## Subchapter F. Business, Marketing, and Finance

- §127.275. Entrepreneurship I (One Credit), Adopted 2023.
- §127.276. Entrepreneurship II (One Credit), Adopted 2023.
- §127.277. Practicum in Entrepreneurship (Two Credits), Adopted 2023.
- §127.278. Extended Practicum in Entrepreneurship (One Credit), Adopted 2023.

## Subchapter G. Education and Training

- §127.314. Extended Practicum in Education and Training (One Credit), Adopted 2015.
- §127.316. Principles of Education and Training (One Credit), Adopted 2021.
- §127.317. Child Development (One Credit), Adopted 2021.
- §127.318. Child Guidance (Two Credits), Adopted 2021.
- §127.319. Child Development Associate Foundations (One Credit), Adopted 2021.
- §127.320. Practicum in Early Learning (Two Credits), Adopted 2021.
- §127.321. Extended Practicum in Early Learning (One Credit), Adopted 2021.
- §127.323. Human Growth and Development (One Credit), Adopted 2021.
- §127.324. Communication and Technology in Education (One Credit), Adopted 2021.
- §127.325. Instructional Practices (Two Credits), Adopted 2021.
- §127.326. Practicum in Education and Training (Two Credits), Adopted 2021.

## Subchapter I. Health Science

- §127.403. Principles of Health Science (One Credit), Adopted 2015.
- §127.410. Mathematics for Medical Professionals (One Credit), Adopted 2015.
- §127.413. Health Science Clinical (One Credit), Adopted 2015.
- §127.414. Practicum in Health Science (Two Credits), Adopted 2015.
- §127.415. Extended Practicum in Health Science (One Credit), Adopted 2015.
- §127.417. Medical Terminology (One Credit), Adopted 2021.
- §127.418. Health Informatics (One Credit), Adopted 2021.
- §127.419. Healthcare Administration and Management (One Credit), Adopted 2021.
- §127.420. World Health and Emerging Technologies (One Credit), Adopted 2021.
- §127.421. Medical Billing and Coding (One Credit), Adopted 2021.
- §127.422. Health Science Theory (One Credit), Adopted 2021.
- §127.423. Anatomy and Physiology (One Credit), Adopted 2021.
- §127.424. Pathophysiology (One Credit), Adopted 2021.
- §127.425. Pharmacy I (One Credit), Adopted 2021.

- §127.426. Pharmacy II (Two Credits), Adopted 2021.
- §127.427. Medical Assistant (One Credit), Adopted 2021.
- §127.428. Pharmacology (One Credit), Adopted 2021.
- §127.429. Respiratory Therapy I (One Credit), Adopted 2021.
- §127.430. Respiratory Therapy II (One Credit), Adopted 2021.
- §127.431. Leadership and Management in Nursing (One Credit), Adopted 2021.
- §127.432. Practicum in Nursing (Two Credits), Adopted 2021.
- §127.433. Medical Microbiology (One Credit), Adopted 2021.

### Subchapter J. Hospitality and Tourism

- §127.469. Principles of Hospitality and Tourism (One Credit), Adopted 2015.
- §127.470. Introduction to Culinary Arts (One Credit), Adopted 2015.
- §127.471. Culinary Arts (Two Credits), Adopted 2015.
- §127.472. Advanced Culinary Arts (Two Credits), Adopted 2015.
- §127.474. Practicum in Culinary Arts (Two Credits), Adopted 2015.
- §127.475. Travel and Tourism Management (One Credit), Adopted 2015.
- §127.476. Hotel Management (One Credit), Adopted 2015.
- §127.477. Hospitality Services (Two Credits), Adopted 2015.
- §127.478. Practicum in Hospitality Services (Two Credits), Adopted 2015.
- §127.479. Extended Practicum in Culinary Arts (One Credit), Adopted 2015.
- §127.480. Extended Practicum in Hospitality Services (One Credit), Adopted 2015.
- §127.482. Food Science (One Credit), Adopted 2021.

### Subchapter M. Law and Public Service

- §127.625. Implementation of Texas Essential Knowledge and Skills for Law, Public Safety, Corrections, and Security, Adopted 2015.
- §127.626. Principles of Law, Public Safety, Corrections, and Security (One Credit), Adopted 2015.
- §127.627. Correctional Services (One Credit), Adopted 2015.
- §127.628. Firefighter I (Two Credits), Adopted 2015.
- §127.629. Firefighter II (Three Credits), Adopted 2015.
- §127.630. Law Enforcement I (One Credit), Adopted 2015.
- §127.631. Law Enforcement II (One Credit), Adopted 2015.
- §127.632. Criminal Investigation (One Credit), Adopted 2015.
- §127.634. Court Systems and Practices (One Credit), Adopted 2015.
- §127.635. Federal Law Enforcement and Protective Services (One Credit), Adopted 2015.

- §127.636. Practicum in Law, Public Safety, Corrections, and Security (Two Credits), Adopted 2015.
- §127.637. Extended Practicum in Law, Public Safety, Corrections, and Security (One Credit), Adopted 2015.
- §127.638. Implementation of Texas Essential Knowledge and Skills for Government and Public Administration, Adopted 2015.
- §127.639. Principles of Government and Public Administration (One Credit), Adopted 2015.
- §127.640. Political Science I (One Credit), Adopted 2015.
- §127.641. Political Science II (One Credit), Adopted 2015.
- §127.642. Foreign Service and Diplomacy (One Credit), Adopted 2015.
- §127.643. Planning and Governance (One Credit), Adopted 2015.
- §127.644. National Security (One Credit), Adopted 2015.
- §127.645. Public Management and Administration (One Credit), Adopted 2015.
- §127.646. Revenue, Taxation, and Regulation (One Credit), Adopted 2015.
- §127.647. Practicum in Local, State, and Federal Government (Two Credits), Adopted 2015.
- §127.648. Extended Practicum in Local, State, and Federal Government (One Credit), Adopted 2015.
- §127.652. Forensic Science (One Credit), Adopted 2021.

#### Subchapter O. Science, Technology, Engineering, and Mathematics

- §127.745. Principles of Technology (One Credit), Adopted 2015.
- §127.746. AC/DC Electronics (One Credit), Adopted 2015.
- §127.747. Solid State Electronics (One Credit), Adopted 2015.
- §127.748. Digital Electronics (One Credit), Adopted 2015.
- §127.749. Robotics I (One Credit), Adopted 2015.
- §127.750. Robotics II (One Credit), Adopted 2015.
- §127.754. Engineering Mathematics (One Credit), Adopted 2015.
- §127.758. Scientific Research and Design (One Credit), Adopted 2015.
- §127.759. Practicum in Science, Technology, Engineering, and Mathematics (Two Credits), Adopted 2015.
- §127.760. Extended Practicum in Science, Technology, Engineering, and Mathematics (One Credit), Adopted 2015.
- §127.766. Discrete Mathematics for Computer Science (One Credit), Beginning with School Year 2012-2013.
- §127.767. Game Programming and Design (One Credit).
- §127.768. Mobile Application Development (One Credit).
- §127.771. Advanced Placement (AP) Computer Science A (Two Credits).
- §127.772. Advanced Placement (AP) Computer Science Principles (One Credit).
- §127.773. International Baccalaureate (IB) Computer Science Standard Level (Two Credits)
- §127.774. International Baccalaureate (IB) Computer Science Higher Level (Two Credits).
- §127.775. International Baccalaureate (IB) Information Technology in a Global Society Standard Level (Two Credits).

- §127.776. International Baccalaureate (IB) Information Technology in a Global Society Higher Level (Two Credits).
- §127.778. Principles of Bioscience (One Credit), Adopted 2021.
- §127.779. Biotechnology I (One Credit), Adopted 2021.
- §127.780. Biotechnology II (One Credit), Adopted 2021.
- §127.781. Principles of Applied Engineering (One Credit), Adopted 2021.
- §127.782. Engineering Science (One Credit), Adopted 2021.
- §127.783. Engineering Design and Presentation I (One Credit), Adopted 2022.
- §127.784. Engineering Design and Presentation II (Two Credits), Adopted 2022.
- §127.785. Engineering Design and Problem Solving (One Credit), Adopted 2021.
- §127.786. Introduction to Computer-Aided Design and Drafting (One Credit), Adopted 2021.
- §127.787. Intermediate Computer-Aided Design and Drafting (One Credit), Adopted 2021.
- §127.788. Fundamentals of Computer Science (One Credit), Adopted 2022.
- §127.789. Computer Science I (One Credit), Adopted 2022.
- §127.790. Computer Science II (One Credit), Adopted 2022.
- §127.791. Computer Science III (One Credit), Adopted 2022.
- §127.792. Foundations of Cybersecurity (One Credit), Adopted 2022.
- §127.793. Digital Forensics (One Credit), Adopted 2022.
- §127.794. Cybersecurity Capstone (One Credit), Adopted 2022.
- §127.795. Physics For Engineering (One Credit), Adopted 2024.
- §127.796. Scientific Research and Design (One Credit), Adopted 2024.

#### Subchapter P. Transportation, Distribution, and Logistics

- §127.887. Introduction to Aircraft Technology (One Credit), Adopted 2024.
- §127.888. Aircraft Airframe Technology (Two Credits), Adopted 2024.
- §127.889. Aircraft Powerplant Technology (Two Credits), Adopted 2024.
- §127.890. Aircraft Maintenance Technology (One Credit), Adopted 2024.
- §127.920. Advanced Transportation Systems Laboratory (One Credit), Adopted 2024.