

Course Overview	This senior-level Pathophysiology course is designed to prepare students for both college and workforce readiness through advanced study of disease mechanisms, laboratory systems, biotechnology practices, and biomedical problem-solving. During the first portion of the course, students will engage in rigorous preparation for the Biotechnician Assistant Credentialing Exam (BACE) by developing proficiency in laboratory mathematics, biotechnology techniques, safety systems, regulatory practices, molecular biology, and experimental design. Students will then transition into the study of pathophysiology, where they will investigate how diseases disrupt normal body function at the cellular, tissue, organ, and system levels. Through case studies, laboratory applications, data analysis, and real-world biomedical scenarios, students will strengthen critical thinking, scientific communication, and clinical reasoning skills while preparing for future studies and careers in biotechnology, healthcare, biomedical research, and related STEM fields.
Course Standards	Pathophysiology TEKS (One Credit), Adopted 2021

Scope & Sequence

Units/Modules & Instructional Days	Assessments & Scanning Deadlines	Standards
Unit 1: Foundations & Safety 10 Days	TX_CTE_12thPathophysiology_F26_UE1 Scanning Deadline: September 3, 2026	Unit Standards Alignment
Unit 2: Biotech Math 20 Days	TX_CTE_12thPathophysiology_F26_UE2 Scanning Deadline: October 8, 2026	
Unit 3: Lab Skills 13 Days	TX_CTE_12thPathophysiology_F26_UE3 Scanning Deadline: October 29, 2026	
Unit 4: Molecular Biology + Practice 15 Days	TX_CTE_12thPathophysiology_F26_UE4 Scanning Deadline: November 19, 2026	
Unit 5: BACE Diagnostic Cycle 11 Days	No Unit Exam 5 or 6 Exam	
Unit 6: BACE Practice Exam 5 Days		
Unit 7: BACE Certification 22 Days	TX_CTE_12thPathophysiology_S27_UE7 Non-BACE Testers Scanning Deadline: February 18, 2027 BACE Exam Qualifying BACE Test Takers Scanning Deadline: February 5, 2027 <i>*Students who do NOT qualify for BACE will take the UE7 TX_CTE_12thPathophysiology_S27_UE7</i>	
Unit 8: Mechanisms of Disease 10 Days	TX_CTE_12thPathophysiology_S27_UE8 Scanning Deadline: March 4, 2027	
Unit 9: Pathogenesis & Immunity 9 Days	TX_CTE_12thPathophysiology_S27_UE9 Scanning Deadline: March 25, 2027	
Unit 10: Systems + Capstone 19 Days	TX_CTE_12thPathophysiology_S27_UE10 Scanning Deadline: April 22, 2027	

BACE Practice Exam in Lieu of a Semester Exam Window: December 7-18, 2026		
AUS	BACE PRACTICE EXAM <i>*located in Canvas</i> Scanning Deadline: December 17, 2026	
RGV	BACE PRACTICE EXAM <i>*located in Canvas</i> Scanning Deadline: December 17, 2026	
Real BACE Exam for Those Who Qualify Exam Window: February 1 – 5, 2027		
ALL REGIONS	BACE EXAM <i>*Located in Proctor U Platform</i> Scanning Deadline: February 5, 2027	
Real BACE Exam RETESTER for Those Who Qualify Exam Window: February 16 – 18, 2027		
ALL REGIONS	BACE EXAM RE_TEST <i>*Located in Proctor U Platform</i> Scanning Deadline: February 18, 2027	
Final Exam Window: May TBD, 2027		
AUS	TX_CTE_12thPathophysiology_S27_FE Scanning Deadline:	TBD
RGV	TX_CTE_12thPathophysiology_S27_FE Scanning Deadline:	

TEKS Alignment

Instruction in this course is aligned to the Texas Essential Knowledge and Skills (TEKS) as adopted by the State Board of Education and implemented in accordance with Texas Education Code Chapter 28.

Instructional Materials

Primary Texts (if applicable)

Supplemental instructional materials may be used to support instruction. Supplemental materials do not replace board-approved core instructional materials.

Additional information regarding instructional programs, assessments, and parent access to instructional materials is available on the district website.

Instructional Expectations

Instruction is delivered using board-approved instructional materials and aligned to the scope and sequence outlined above. Teachers are expected to ensure all required standards are taught within the course timeframe.

Assessment Overview

Student learning is monitored through formative and summative assessments aligned to course standards. Assessment results are used to inform instruction and student supports. Students participate in required state assessments when applicable.