

New High School Course Offerings 2026-2027

Math 1316 Dual Credit College Plane Trigonometry

03102500

Grade Placement: 11 - 12 | Prerequisite: Math 1314 College Algebra | Credit: .5

This course is an in-depth study and applications of trigonometry including the study of trigonometric functions, solutions of triangles, trigonometric identities and equations, inverse trigonometric functions, and vectors. Emphasis is placed on acquiring and evaluating information based on the trigonometric functions. Exercises are designed to allow students to demonstrate their reasoning ability to solve problems using trigonometry. Three hours lecture per week. (Weatherford College - Plane Trigonometry)

Math 2412 Dual Credit College Pre-Calculus

03101100

Grade Placement: 11, 12 | Prerequisite: Math 1314 College Algebra | Credit: 1.0

This course includes the applications of algebra and trigonometry to the study of elementary functions and their graphs including polynomial, rational, exponential, logarithmic, and trigonometric functions. This course is designed to assist students to prepare for their study of the calculus sequence, and it includes five contact hours per week. (Weatherford College - Pre-Calculus)

Internetworking I

N1302803

Grade Placement: 10- 12 | Prerequisite: Networking Lab | Credit: 1.0

Introduces fundamental concepts for connecting computer networks, focusing on technologies, protocols, and architectures like TCP/IP. It covers the design principles of the internet, layering models (like the OSI model), and common protocols such as HTTP and FTP. Many introductory internetworking courses also include hands-on experience with building simple networks and performing basic configurations on routers and switches.

Cybersecurity Capstone

03580855

Grade Placement: 12 | Prerequisite: Algebra I, Geometry and 2 STEM Credits | Credit: 2.0

A culminating academic project that requires students to apply the knowledge and skills gained throughout their studies to a real-world scenario, often involving a hands-on project to design, implement, and test cybersecurity solutions. These courses integrate concepts like risk management, threat analysis, security policies, and legal issues, with a strong focus on practical application, preparation for certifications, and developing skills for professional success.