Mesquite ISD Career and Technical Education
2022-2023 Vanguard Course Offerings

Architecture & Construction

Principles of Architecture (9)*
Principles of Construction (9)
Architectural Design I (10)*
Architectural Design II (11-12)
Construction Technology I (10)
Construction Technology II (11-12)
Practicum in Architectural Design (12)
Practicum in Construction Technology (12)

Arts, A/V Technology & Communications

Principles of Arts, A/V Technology & Comm (9-10)*
Graphic Design and Illustration I (10)*
Graphic Design and Illustration II + Lab (11-12)
Practicum in Graphic Design & Illustration (12)

Business Management & Administration

Business Information Management I (9-12)*
Business Information Management II (10-12)
Business Law (11-12)
Business Management (11-12)
Principles of Business, Marketing & Finance (9-11)

Finance

Accounting I (10-12)
Accounting II (H) (11-12)
Money Matters (9-12)

Health Science

Principles of Health Science (9-10)
Medical Terminology (9-12)
Health Informatics (11-12)
Pathophysiology (11-12)
Pharmacology (11-12)
Physical Therapy I (11-12)
Anatomy & Physiology (H) (11-12)
Health Science Theory (10)
Practicum in Health Science (H) (11-12)

Human Services

Dollars and Sense (9-12)

Marketing

Entrepreneurship (10-12)

Law, Public Safety, Corrections & Security

Princ of Law, Public Safety, Corrections & Sec Serv - Fire (9)
Disaster Response (10)
Firefighter I (10)
Practicum in Law, Public Safety, Corrections & Sec – Fire (11)

Science, Technology, Engineering & Mathematics

Fundamentals of Computer Science (9)*
Principles of Applied Engineering (9)*
Engineering Design & Presentation I (10)*
Engineering Design & Presentation II (11-12)
Engineering Mathematics (12)
Engineering Design & Problem Solving (12)
Principles of Technology (10-12)
Computer Science I (10)*
Computer Science II (H) (11-12)
AP Computer Science Principles (9-12)
Robotics I (10)
Robotics II (11-12)
Practicum in STEM – Engineering (12)

Transportation, Distribution & Logistics

Principles of Distribution & Logistics (9-10)
Mangement of Transportation Systems (10-11)
Automotive Basics (9)
Automotive Technology I (10)
Automotive Technology II (11-12)
Collision Repair (10)
Paint & Refinishing (11-12)
Practicum in Transportation Systems – Auto Tech (12)

*These courses count for the technology education requirement.