

MILBY STEM INSTITUTE (MSI) MAGNET PROGRAM * Petroleum Exploration and Engineering Strand

9th Grade	10th Grade	11th Grade	12th Grade
Environmental Systems	PETRO-CHEM EXPLORATIONS (Concepts of Engineering)	PETRO-CHEM EXPLORATIONS (Engineering Design & Presentation)	Engineering Design & Problem Solving
BIOLOGY PreAP	CHEMISTRY PreAP	PHYSICS PreAP	AP SCIENCE ELECTIVE: BIOLOGY, CHEMISTRY, PHYSICS, ENVIRONMENTAL SCIENCE
ALGEBRA I Magnet/PreAP or GEOMETRY PreAP	GEOMETRY Magnet/PreAP or ALGEBRA II PreAP	ALGEBRA II PreAP or PRE-CALCULUS	PRE-CALCULUS, AP CALCULUS or AP STATISTICS
ENGLISH I Magnet/PreAP	ENGLISH II Magnet/PreAP	ENGLISH III or AP ENGLISH LANGUAGE	ENGLISH IV or AP ENGLISH LITERATURE
WORLD GEOGRAPHY Magnet/PreAP	WORLD HISTORY Magnet or AP	U.S. HISTORY Magnet or AP	U.S. GOVERNMENT AND ECONOMICS (AP)
SPANISH OR FRENCH I	SPANISH OR FRENCH II (PreAP)	SPANISH OR FRENCH III (PreAP) AP Spanish	AP Spanish Lit. ACADEMIC ELECTIVE
PHYSICAL EDUCATION AND COMMUNICATIONS APPLICATION	Health and Physical Education	FINE ART	Technology Applications
ELECTIVE	Elective	ELECTIVE	Elective

* The courses above represent the typical MSI four year plan. With counselor assistance, students may individualize their choices with Advanced Placement or elective courses where appropriate. JROTC, Athletics, Theater, Music, Dance, Technology are just a few additional options.