

Alief Advanced Coursework to Satisfy Foundation Plan

ELA

- Shakespeare Studies
- Journalism III
- Debate III
- Debate IV
- Humanities
- Advanced Media Studies
- Broadcast Journalism III
- English IV / English IV Honors
- Advanced Placement (AP) English Literature and Composition
- Advanced Placement (AP) International English Language
- Visual Media Analysis and Production
- Contemporary Media
- Creative Writing
- Research and Technical Writing
- Advanced Broadcast Journalism III
- Advanced Journalism: Newspaper III
- Theatre and Media Communications II
- Photojournalism
- Advanced Journalism Yearbook III
- Public Speaking III
- Oral Interpretation III
- Literary Genres
- Advanced Practical Writing Skills
- Independent Study in English
- Independent Study in Speech
- Dual Credit English in cooperation with an Institute of Higher Education

Independent study in English:
Topics:

- Shakespeare
- World Literature
- Writing for Post-secondary Preparedness

Currently Approved Innovative Courses:

- Research Methods in the Humanities
- Playwriting

Proposed Courses for Innovative Process Consideration:

- College Prep for Post-secondary Readiness in English Language Arts
- Film as Literature
- Advanced Writing Workshop
- 20th Century American Literature
- Modern Rhetoric and Persuasion
- New Media Studies
- Technical Writing for STEM
- Technical Writing for Business/industry
- Technical Writing for Human Services

Math

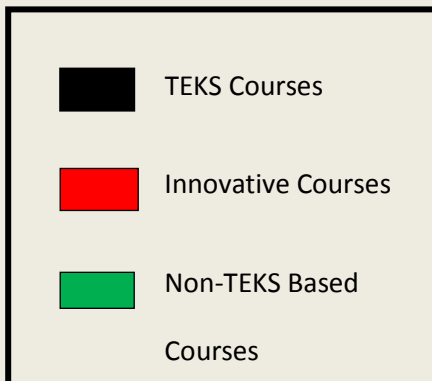
- Mathematical Applications in Agriculture, Food, and Natural Resources (CTE)
- Engineering Mathematics (CTE)
- Algebra II
- Mathematical Models
- Pre-Calculus
- Independent Study in Mathematics
- Advanced Quantitative Reasoning
- Statistics
- AP Statistics
- Calculus
- AP Calculus (AB)
- AP Calculus (BC)
- AP Computer Science
- IB Math Studies Standard
- IB Math Standards
- IB Math High Standards
- IB Further Math standards
- Statistics and Risk Management (CTE)
- Dual Credit Mathematics in cooperation with an Institute of Higher Education
- Accounting I, II

Currently Approved Innovative Courses:

- Strategic Learning for High School Math
- History of Math

Proposed Courses for Innovative Process Consideration :

- Applied Algebra II
- College Prep for Post-secondary Readiness in Math
- Financial Literacy
- Architectural Applications in Mathematics
- Art Design and Mathematics



Science

- Advanced Animal Science (CTE)
- Advanced Plant and Soil Science (CTE)
- Anatomy and Physiology (CTE)
- Medical Microbiology/ Pathophysiology (CTE)
- Forensic Science (CTE)
- Engineering Design and Problem Solving (CTE)
- Chemistry
- AP Chemistry
- Physics
- Principles of Technology
- AP Physics
- Aquatic Science
- Astronomy
- Earth and Space Science
- Environmental Systems
- AP Environmental Science
- Scientific Research and Design (CTE)
- Food Science (CTE)
- AP Biology
- AP Chemistry II
- Advanced Biotechnology (CTE)
- Pre-AP Chemistry I
- Pre-AP Physics I
- AP Physics B
- AP Physics C
- IB Bio., Chem., Physics and Env. Systems ,
- Articulated Principles of Technology (CTE)
- Practicum in Health Science: Pharmacy Tech (CTE)
- Practicum in Health Science: CNA (CTE)
- Dual Credit Science in cooperation with an Institute of Higher Education

Innovative courses:

- Planet Earth
- Organic Chemistry

Proposed Courses for Innovative Process Consideration:

- Problem-based Learning through STEM
- The Chemistry of Color and Artistic Design
- Science of Cosmetology
- Science and Industry
- Science of Musical Sound

