

Advanced Coursework to Satisfy Core Foundation and Endorsement/Major Plan

| ELA | Math | Science |
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| <ul style="list-style-type: none"> • English IV • Advanced Placement (AP) English Literature and Composition • International Baccalaureate (IB) Language Studies • Creative Writing (1 credit) • Advanced Journalism: Newspaper III • Concurrent Enrollment in College Courses • Dual Credit English | <ul style="list-style-type: none"> • Algebra II • Engineering Mathematics (CTE) • Mathematical Models • Pre-Calculus • Independent Study in Mathematics • Advanced Quantitative Reasoning • AP Statistics • AP Calculus (AB) • AP Calculus (BC) • AP Computer Science • IB Mathematical Studies – Standard Level • IB Mathematics – Standard Level • IB Mathematics – Higher Level • Concurrent Enrollment in College • Dual Credit Mathematics | <ul style="list-style-type: none"> • Advanced Animal Science (CTE) • Anatomy and Physiology (CTE) • Forensic Science (CTE) • Engineering Design and Problem Solving (CTE) • AP Chemistry • AP Biology • IB Biology • AP Physics • Aquatic Science • Environmental Systems • AP Environmental Science • IB Environmental Systems and Societies • Scientific Research and Design (CTE) • Food Science (CTE) • Concurrent Enrollment in College • Dual Credit Science |

Advanced Coursework to Satisfy Endorsements/Majors

Career and Technology Education

Business and Industry

Agriculture, Food, and Natural Resources

- Advanced Animal Science
- Agribusiness Management and Marketing
- Range Ecology and Management
- Landscape Design and Turf Grass Management
- Agricultural Facilities Design and Fabrication
- Agricultural Power Systems

Architecture & Construction

- Architecture and Construction Cluster
- Advanced Interior Design
- Advanced Architectural Design
- Practicum in Architectural Design

Arts, A/V Technology, and Communications

- Animation
- Advanced Animation
- Advanced Audio Video Production
- Advanced Graphic Design and Illustration
- Commercial Photography
- Advanced Commercial Photography
- Advanced Fashion Design

Business Management and Administration

- Business Information Management I
- Business Information Management II
- Business Law
- Business Management

Finance

- Accounting II

Hospitality and Tourism

- Culinary Arts
- Practicum in Culinary Arts
- Hospitality Services
- Practicum in Hospitality and Tourism
- Food Science
- Human Services

Information Technology

- Computer Technician
- Internetworking Technologies I
- Internetworking Technologies II (Cisco)

Manufacturing

- Advanced Welding
- Advanced Precision Metal Manufacturing

Marketing, Sales and Services

- Marketing Dynamics
- Practicum in Marketing Dynamics

Transportation, Distribution, and Logistics

- Aircraft Technology
- Advanced Aircraft Technology
- Automotive Technology
- Advanced Automotive Technology
- Transportation Systems Management
- Logistics, Planning and Management Systems
- Practicum in Transportation, Distribution, Logistics

Public Service

Education and Training

- Instructional Practices in Education and Training
- Practicum in Education and Training

Government and Public Administration

- National Security
- Practicum in Local, State, and Federal Government

Human Services

- Counseling and Mental Health
- Child Guidance
- Cosmetology I
- Cosmetology II

Law, Public Safety, Corrections, and Security

- Law Enforcement II
- Forensic Science
- Court Systems and Practices
- Correctional Services
- Practicum in Law, Public Safety, Corrections, & Security

STEM

Health Science

- Medical Terminology
- Practicum in Health Science
- Anatomy and Physiology

Science, Technology, Engineering, & Mathematics

- Engineering Mathematics
- Advanced Electronics
- Scientific Research and Design
- Civil engineering and Architecture
- Computer Integrated Manufacturing
- Engineering Design and Development