

# East Central High School Endorsement Plans 2015-16

\* = Advanced CTE Course

## Business and Industry Endorsement

### ***Agricultural Leadership Systems Program of Study***

Principles of Agriculture, Food, and Natural Resources (1)  
Agricultural Leadership Development I (1)  
\*Agricultural Leadership Development II (1)  
Agricultural Leadership Development III (1)

### ***Animal Systems Program of Study*** (at least 4 credits from the following)

Principles of Agriculture, Food, and Natural Resources (1)  
Horse Management (.5)  
Livestock Production (.5)  
Small Animal Management (.5)  
Wildlife and Ecology Management (1)  
\*Veterinary Medical Applications (1)  
\*Advanced Animal Science (1)  
Biotechnology (1)

### ***Floriculture and Plant Production Systems Program of Study***

Principles of Agriculture, Food, and Natural Resources (1)  
Greenhouse Management (.5)  
Landscape Design and Maintenance (.5)  
Floral Design (1)  
\*Advanced Plant and Soil Science (1)

### ***Power, Structural, and Technical Systems Program of Study*** (at least 4 credits from the following)

Principles of Agriculture, Food, and Natural Resources (1)  
Introduction to Metal Working (1)  
\*Woodworking (1)  
\*Power Systems (1)  
\*Advanced Welding (2)  
\*Advanced Welding II (2)

### ***Food Product Processing Systems Program of Study*** (at least 4 credits from the following)

Principles of Agriculture, Food, and Natural Resources (1)  
Food Technology and Safety (.5)  
\*Meat Processing I (2)  
\*Meat Processing II (2)

### ***Construction Program of Study***

Principles of Architecture and Construction (.5)  
Construction Technology (1)  
\*Millwork and Cabinetmaking Technology (2)  
Additional 0.5 credit in CTE Cluster

### ***Architecture Program of Study***

Principles of Architecture and Construction (.5)  
Interior Design (.5)  
Architectural Design (1)  
\*Advanced Architectural Design (2)

### ***A/V Technology and Communication Program of Study*** (at least 4 credits from the following)

Principles of Arts, A/V Technology, and Communication (.5)  
Introduction to Audio/Video Production (1)  
\*Audio/Video Production I (2)  
\*Audio/Video Production II (2)

***Animation Program of Study*** (at least 4 credits from the following)

Principles of Arts, A/V Technology, and Communication (.5)

Graphic and Design Illustration (1)

Digital Photography (1)

\*Animation (1)

\*Advanced Animation (2)

\*Animation III (2)

***Communications Program of Study*** (4 English elective credits – including 3 years in one of these areas)

Debate, Public Speaking, Newspaper, or Yearbook

***Business Management and Technology Program of Study*** (at least 4 credits from the following)

Principles of Business, Marketing, and Finance (.5)

\*Business Management (1)

\*Business Law (.5)

Human Resources Management (.5)

\*Business Information Management I (1)

\*Business Information Management II (1)

***Business Financial Management Program of Study***

Principles of Business, Marketing, and Finance (.5)

Banking and Financial Services (.5)

\*Business Information Management (1)

\*Accounting (1)

\*Advanced Accounting (1)

***Computer Application Specialist Program of Study***

\*Computer Application Specialist Level I Certificate Year 1 (1)

\*Computer Application Specialist Level I Certificate Year 2 (2)

Additional 1.0 credit in CTE Cluster

***Hospitality and Tourism Program of Study***

Principles of Hospitality and Tourism (.5)

Hotel Management (.5)

\*Hospitality Services (1)

\*Hospitality Practicum (2)

***Culinary Arts Program of Study*** (at least 4 credits from the following)

Principles of Hospitality and Tourism (.5)

Restaurant Management (.5)

Food Technology and Safety (.5)

\*Food Science (1)

\*Culinary Arts I (1)

\*Culinary Arts I (2)

***Information Technology Program of Study*** (at least 4 credits from the following)

Principles of Information Technology (.5)

Digital and Interactive Media (1)

\*Web Technologies (1)

Computer Programming (1)

\*Advanced Computer Programming (1)

\*Advanced Web Technologies II (2)

***Information Technology and Security Academy*** (off site)

\*Research in IT Solutions I (3)

\*Research in IT Solutions II (3)

Additional 0.5 credit in CTE Cluster

***Multimedia Specialist Program of Study***

\*Multimedia Specialist Level I Certificate Year 1 (1)

\*Multimedia Specialist Level I Certificate Year 2 (2)

Additional 1.0 credit in CTE Cluster

***Production Program of Study*** (at least 4 credits from the following)

Principles of Manufacturing (.5)

Introduction to Metal Working (1)

\*Advanced Welding (2)

\*Advanced Precision Metal Manufacturing (2)

***Advanced Technology and Manufacturing Academy*** (off site)

\*Manufacturing Engineering (3)

\*Advanced Precision Metal Manufacturing (3)

Additional 0.5 credit in CTE Cluster

***Alamo Area Aerospace Academy*** (off site)

\*Practicum in Transportation, Distribution, and Logistics (3)

\*Advanced Aircraft Technology (3)

Additional 0.5 credit in CTE Cluster

***Auto Tech Program of Study*** (off site)

\*Automotive Technology (2)

\*Advanced Automotive Technology (2)

Additional 0.5 credit in CTE Cluster

***Heavy Equipment Academy*** (off site)

Energy, Power, and Transportation Systems (1)

\*Automotive Technology (1)

\*Business Information Management I (1)

\*Advanced Automotive Technology (2)

\*Transportation Systems Management (1)

## **Public Services Endorsement**

***Education and Training Program of Study***

Principles of Education and Training (.5)

Child Development (1)

\*Teacher Preparation I (2)

\*Teacher Preparation II (2)

***Health Science Program of Study*** (at least 4 credits from the following)

Principles of Health Science (.5)

Health Science Technology I (1)

\*Medical Terminology (.5)

\*Health Science Technology II (2)

\*Anatomy and Physiology (1)

\*Medical Microbiology (.5)

\*Pathophysiology (.5)

***Health Professions Academy*** (off site)

\*Anatomy and Physiology (1)

\*Medical Microbiology (.5)

\*Pathophysiology (.5)

2 additional credits in CTE Cluster

***Human Services Program of Study*** (at least 4 credits from the following)

Principles of Human Services (.5)

Lifetime Nutrition and Wellness (.5)

Child Development (1)

\*Child Guidance (1)

Fashion Design (1)

Interpersonal Studies (.5)

Family and Community Services (1)

***JROTC Program of Study***

JROTC 1-4 (4)

***Law Enforcement Program of Study***

Principals of Law, Public Safety, Corrections, and Securitiy (1)

Law Enforcement I (1)

Law Enforcement II (1)

Forensic Science (1)

## Multi-Disciplinary Endorsement

Four credits in each of the four foundation subject areas to include English IV and chemistry and physics

Or

Four credits in Advanced Placement or Dual Credit courses selected from English, mathematics, science, social studies, economics, languages other than English, or fine arts.

Or

Four advanced courses from more than one endorsement area

## Arts and Humanities Endorsement

Five Social Studies credits

Or

Four levels of the same language in a language other than English

Or

Two levels of the same language in a language other than English and two levels of a different language in a language other than English

Or

Four levels of American Sign Language

Or

Four credits from one or two categories of fine arts

## Science, Technology, Engineering, and Mathematics Endorsement

### *Engineering Program of Study*

Concepts of Engineering and Technology (.5)

Mechanical Engineering (1)

\*Advanced Engineering Design (2)

\*Engineering Math (1)

### **Computer Science**

Computer Science 1

AP Computer Science or Computer Science II

1 additional math or 1 additional science or 1 additional engineering

### **Mathematics**

Algebra I, Geometry, Algebra II + 2 additional mathematics courses for which Alg II is a prerequisite

### **Science**

Biology, Chemistry, Physics, + 2 additional science courses