

# **AISD/ HB 5 Graduation Requirements (11-19-2014)**

## **Foundation High School Program (FHSP) = 22 credits**

### **English Language Arts- 4 credits**

English I

English II

English III

\*Advanced English

### **Mathematics- 3 credits**

Algebra I

Geometry

\*Advanced Math

### **Science- 3 credits**

Biology

\*2<sup>nd</sup> Science

\*Advanced Science

### **Social Studies- 3 credits**

World History or World Geography

U.S. History

Economics/Government

### **Foreign Language- 2 credits**

Year 1

Year 2

### **Fine Arts- 1 credit**

### **Physical Education- 1 credit**

### **Elective- 5 credits**

1. Health/Professional Communications
2. Computer class (Options offered at AHS: BIM or PAVTC)
3. World Geography or World History

- 4. Elective 1
- 5. Elective 2

**Endorsement= an additional 4.0 credits**

Advanced Math  
Advanced Science  
Elective 3  
Elective 4

**FHSP + Endorsement= 26 credits**

**\*Advanced English Courses:**

English IV; AP Lit; AP Lang; DC English; College Prep ELA (in process)

**\*Advanced Math Courses:**

Math Models **OR**  
Algebra 2; Pre-calculus; Algebra 3; AP Calculus AB; DC Math; Algebraic Reasoning (in process); Statistics (in process); College Prep Math (in process)

**\*2<sup>nd</sup> Science:**

Integrated Physics & Chemistry (IPC); Chemistry

**\*Advanced Science:**

Chemistry; Physics; Environmental Systems; AP Biology; AP Chemistry;  
Anatomy & Physiology; Medical Microbiology/Pathophysiology;  
Forensic Science (Denton ATC)

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**ENDORSEMENTS**

**I. ARTS & HUMANITIES - 7 Options**

**Option 1: FHSP + Arts & Humanities- Social Studies (FPAHSS)**

5 Social Studies Credits  
World History  
World Geography  
U.S. History  
Economics/Government  
AP Macroeconomics/AP Microeconomics **or** Psychology/Sociology

**Option 2: FHSP + Arts & Humanities- LOTE (FPAHLOTE)**

Four Levels of the same LOTE

Spanish I  
Spanish II  
Spanish III  
Spanish IV

**A. FHSP + Arts & Humanities- Fine Arts**

Four credits from one or two categories or disciplines of Fine Arts

**Option 3: FHSP + Arts & Humanities Performing Arts –Theatre (FPAHPEARTH)**

Theatre Arts I  
Theatre Arts II  
Theatre Arts III  
Theatre Arts IV

**Option 4: FHSP + Arts & Humanities Performing Arts- Instrumental (FPAHPEARTI)**

Band I  
Band II  
Band III  
Band IV

**Option 5: FHSP + Arts & Humanities- Visual Art (FPAHVISART)**

Art I  
Art II  
Art III  
Art IV

**Option 6: FHSP + Arts & Humanities -Technical Theatre (FPAHTECHTH)**

Technical Theatre Arts I  
Technical Theatre Arts II  
Technical Theatre Arts III  
Technical Theatre Arts IV

### **Option 7: FHSP + Arts & Humanities- Combination (FPAHCOMB)**

A combination of four credits from only two categories of Fine Arts

Example: Art I, Art II, Theatre Arts I, Theatre Arts II

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## **I. BUSINESS & INDUSTRY- 17 Options**

### **FHSP + Business & Industry- Agriculture, Food and Natural Resources**

A coherent sequence of courses for 4 or more credits that consists of at least two courses in the same career cluster, including at least one advanced CTE course, which includes any course that is the third or higher in a sequence. The final course in the sequence must be obtained from the Agriculture, Food and Natural Resources career cluster.

### **Option 1: FHSP + Business & Industry- Agriculture-Animal Systems (FPBIAGANSY)**

Principles of Agriculture, Food, and Natural Resources

A Computer class (Options offered at AHS: BIM or PAVTC)

Financial Literacy Course (Options: Money Matters or Dollars & Sense)

Livestock Production

Small Animal Management

Equine Science

Wildlife, Fisheries and Ecology Management

### **Option 2: FHSP + Business & Industry -Agriculture- Mechanics (FPBIAGMECH)**

Principles of Agriculture, Food, and Natural Resources

A Computer Class (Options offered at AHS: BIM or PAVTC)

Financial Literacy Course (Options: Money Matters or Dollars & Sense)

Agricultural Mechanics and Metal Technologies

Welding

Agricultural Facilities Design and Fabrication

Agricultural Power Systems

### **FHSP + Business & Industry-Arts, Audio/Video Technology and Communications**

A coherent sequence of courses for 4 or more credits that consists of at least two courses in the same career cluster, including at least one advanced CTE course, which includes any course that is the third or higher in a sequence. The final course in the sequence must be obtained from the Arts, Audio/Video Technology and Communications career cluster.

#### **Option 3: FHSP + Business & Industry-AAVTC-Animation (FPBIATANIM)**

Lifetime Nutrition and Wellness

PAVTC (Principles of Arts, Audio/Video Tech & Communications)  
or a computer class

Financial Literacy Course (Options: Money Matters or Dollars & Sense)

Animation (Denton ATC)

Advanced Animation (Denton ATC)

#### **Option 4: FHSP + Business & Industry- AAVTC-Audio/Video Production (FPBIATAVP)**

Lifetime Nutrition and Wellness

PAVTC or a computer class

Financial Literacy Course (Options: Money Matters or Dollars & Sense)

Audio/Video Production (AHS or Denton ATC)

Advanced Audio/Video Production (Denton ATC)

#### **Option 5: FHSP + Business & Industry- AAVTC-Graphic Design (FPBIATGRAP)**

Lifetime Nutrition and Wellness

PAVTC or a computer class

Financial Literacy Course (Options: Money Matters or Dollars & Sense)

Graphic Design and Illustration (Denton ATC)

Advanced Graphic Design and Illustration (Denton ATC)

**Option 6: FHSP + Business & Industry-AAVTC- Commercial Photography (FPBIATCOPH)**

Lifetime Nutrition and Wellness

PAVTC or a computer class

Financial Literacy Course (Options: Money Matters or Dollars & Sense)

Commercial Photography (Denton ATC)

Advanced Commercial Photography (Denton ATC)

**FHSP + Business & Industry-Finance**

A coherent sequence of courses for 4 or more credits that consists of at least two courses in the same career cluster, including at least one advanced CTE course, which includes any course that is the third or higher in a sequence. The Final course in the sequence must be obtained from the Finance career cluster.

**Option 7: FHSP + Business & Industry-Finance-Accounting (FPBIFINACC)**

Lifetime Nutrition and Wellness

BIM or a computer class

Financial Literacy class (Options: Money Matters or Dollars & Sense)

Accounting I

Accounting II

**FHSP + Business & Industry-Hospitality and Tourism**

A coherent sequence of courses for 4 or more credits that consists of at least two courses in the same career cluster, including at least one advanced CTE course, which includes any course that is the third or higher in a sequence. The final course must be obtained from the Hospitality and Tourism career cluster.

**Option 8: FHSP + Business & Industry-H&T-Culinary Arts (FPBIHTCUL)**

Lifetime Nutrition and Wellness

A Computer class (Options offered at AHS: BIM or PAVTC)

Financial Literacy Course (Options: Money Matters or Dollars & Sense)

Culinary Arts (Denton ATC)  
Restaurant Management (Denton ATC)  
Practicum in Culinary Arts (Denton ATC)

**Option 9: FHSP + Business & Industry- H&T-Hospitality Services  
(FPBIHTHOSP)**

Lifetime Nutrition and Wellness  
A Computer class (Options offered at AHS: BIM or PAVTC)  
Financial Literacy Course (Options: Money Matters or Dollars & Sense)  
Hospitality Services (Denton ATC)  
Practicum in Hospitality Services (Denton ATC)

**FHSP + Business & Industry- Information Technology**

A coherent sequence of courses for 4 or more credits that consists of at least two courses in the same career cluster, including at least one advanced CTE course, which includes any course that is the third or higher in a sequence. The final course must be obtained from the Information Technology career cluster.

**Option 10: FHSP + Business & Industry- Info Tech-Computer Programming  
(FPBIITCOPR)**

Lifetime Nutrition and Wellness  
BIM or a computer class  
Financial Literacy course (Options: Money Matters or Dollars & Sense)  
Computer Programming  
Advanced Computer Programming

**Option 11: FHSP + Business & Industry-Info Tech- Internetworking  
(FPBIITNEWK)**

Lifetime Nutrition and Wellness  
BIM or a computer class  
Financial Literacy Course (Options: Money Matters or Dollars & Sense)  
Internetworking Technologies I (Cisco) (Denton ATC)  
Internetworking Technologies II (Cisco) (Denton ATC)

**Option 12: FHSP + Business & Industry-Info Tech- Computer Tech (FPBIITCOTE)**

Lifetime Nutrition and Wellness

BIM or a computer class

Financial Literacy Course (Options: Money Matters or Dollars & Sense)

Computer Maintenance (Denton ATC)

Computer Technician (Denton ATC)

**FHSP + Business & Industry- Manufacturing**

A coherent sequence of courses for 4 or more credits that consists of at least two courses in the same career cluster, including at least one advanced CTE course, which includes any course that is the third or higher in a sequence. The final course in the sequence must be obtained from the Manufacturing career cluster.

**Option 13: FHSP+ Business & Industry-Manufacturing- Welding (FPBIMANWEL)**

Lifetime Nutrition and Wellness

BIM or a computer class

Financial Literacy Course (Options: Money Matters or Dollars & Sense)

Welding (AHS or Denton ATC)

Advanced Welding (Denton ATC)

**Option 14: FHSP+ Business & Industry- Manufacturing- Precision Metal (FPBIMANPM)**

Lifetime Nutrition and Wellness

BIM or a computer class

Financial Literacy Course (Options: Money Matters or Dollars & Sense)

Precision Metal Manufacturing (Denton ATC)

Advanced Precision Metal Manufacturing (Denton ATC)



## **FHSP+ Business & Industry- Transportation, Distribution, and Logistics**

A coherent sequence of courses for 4 or more credits that consists of at least two courses in the same career cluster, including at least one advanced CTE course, which includes any course that is the third or higher in a sequence. The final course in the sequence must be obtained from the Transportation, Distribution, and Logistics career cluster.

### **Option 15: FHSP + Business & Industry-TDL-Aircraft (FPBITDLAIR)**

Lifetime Nutrition and Wellness

BIM or a computer class

Financial Literacy Course (Options: Money Matters or Dollars & Sense)

Aircraft Technology (Denton ATC)

Advanced Aircraft Technology (Denton ATC)

### **Option 16: FHSP + Business & Industry- TDL-Automotive (FPBITDLAUT)**

Lifetime Nutrition and Wellness

BIM or a computer class

Financial Literacy Course (Options: Money Matters or Dollars & Sense)

Automotive Technology (Denton ATC)

Advanced Automotive Technology (Denton ATC)

### **Option 17: FHSP + Business & Industry- TDL-Logistics (FPBITDLLOG)**

Lifetime Nutrition and Wellness

BIM or a computer class

Financial Literacy Course (Options: Money Matters or Dollars & Sense)

Logistics, Planning and Management Systems (Denton ATC)

Practicum in Transportation, Distribution & Logistics (Denton ATC)

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## **II. MULTIDISCIPLINARY STUDIES- 3 Options**

### **Option 1: FSHP + Multidisciplinary- Four Advanced Courses (FPMULTFRAD)**

Four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in a coherent sequence.

### **Option 2: FHSP + Multidisciplinary-Four Credits in each 4 Core Areas (FPMULTFRCA)**

Four credits in each of the four foundation subject areas to include English IV and Chemistry and/or Physics.

English I, II, III, IV (Must include English IV)

Math I, II, III, IV

Science I, II, III, IV (Must include Chemistry and/or Physics)

Social Studies I, II, III, IV

### **Option 3: FHSP Multidisciplinary-4 credits in AP and/or DC (FPMULTAPDC)**

Four credits in AP and/or DC selected from English, Math, Science, Social Studies, Economics, LOTE or Fine Arts.

DC-Composition I/Composition II (1.0 credit)

AP-Language and Composition (1.0 credit)

AP-Literature and Composition (1.0 credit)

DC-College Algebra/Elementary Statistics (1.0 credit)

AP Calculus AB (1.0 credit)

DC-U.S. History to 1865/U.S. History from 1865 (1.0 credit)

DC-Macroeconomics/American National Government (1.0 credit)

AP- Macroeconomics/Microeconomics (1.0 credit)

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### **III. PUBLIC SERVICES- 6 Options**

A coherent sequence of courses for 4 or more credits that consists of at least two courses in the same career cluster, including at least one advanced CTE course, which includes any course that is the third or higher in a sequence.

#### **Option 1: FHSP + Public Services- Education & Training (FPPASED)**

The final course in the sequence must be from the Education & Training career cluster.

A computer class (Options offered at AHS: BIM or PAVTC)  
Financial Literacy class (Options: Money Matters or Dollars & Sense)  
Lifetime Nutrition and Wellness  
Principles of Education & Training/ Human Growth and Development  
Instructional Practices in Education & Training (Denton ATC)  
Practicum in Education & Training (Denton ATC)

#### **Option 2: FHSP + Public Services-Government & Public Administration (FPPSGOVTPA)**

The final course in the sequence must be from the Government & Public Administration career cluster.

A computer class (Options offered at AHS: BIM or PAVTC)  
Financial Literacy class (Options: Money Matters or Dollars & Sense)  
Lifetime Nutrition and Wellness  
Foreign Service and Diplomacy (Denton ATC)  
National Security (Denton ATC)

#### **Option 3: FHSP + Public Services-Health Science (FPPSHEASCI)**

The final course in the sequence must be from the Health Science career cluster.

Lifetime Nutrition and Wellness  
A computer class (Options offered at AHS: BIM or PAVTC)  
Financial Literacy class (Options: Money Matters or Dollars & Sense)  
Anatomy and Physiology (AHS or Denton ATC)

Medical Microbiology/Pathophysiology  
Health Science (Denton ATC)  
Practicum in Health Science ( all practicum options at Denton ATC)  
Includes 5 options: Job Shadow Internship  
Certified Nurse Assistant (C.N.A.)  
Pharmacy Technical  
Pre-Veterinary Internship  
Pre-Licensed Vocation Nurse (LVN)

**Option 4: FHSP + Public Services-Human Services (FPPSHUMSER)**

The final course in the sequence must be from the Human Services career cluster.

Lifetime Nutrition and Wellness

A computer class (Options offered at AHS: BIM or PAVTC)

Financial Literacy class (Options: Money Matters or Dollars & Sense)

Introduction to Cosmetology/Cosmetology I (Denton ATC)

Cosmetology II/Cosmetology Problems and Solutions (Denton ATC)

**FHSP + Public Services- Law, Public Safety, Corrections & Security**

The final course in the sequence must be from the Law, Public Safety, Corrections, & Security career cluster.

**Option 5: FHSP + Public Services-LPSCS-Court System (FPPSLPSCRT)**

Lifetime Nutrition and Wellness

A computer class (Options offered at AHS: BIM or PAVTC)

Financial Literacy class (Options: Money Matters or Dollars & Sense)

Principles of Law, Public Safety, Corrections, and Security

Court Systems and Practices (Denton ATC)

Practicum in Law, Public Safety, Corrections & Security  
(Denton ATC)

#### **Option 6: FHSP + Public Services-LPSCS-Law Enforcement (FPPSLPSLAE)**

Lifetime Nutrition and Wellness

A computer class (Options offered at AHS: BIM or PAVTC)

Financial Literacy class (Options: Money Matters or Dollars & Sense)

Principles of Law, Public Safety, Corrections, and Security

Law Enforcement I (Denton ATC)

Law Enforcement (Denton ATC)

Correctional Services (Denton ATC)

Forensic Science (Denton ATC)

Disaster Response (Denton ATC)

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#### **IV. STEM- 4 Options**

##### **Option 1: FHSP + STEM- Project Lead the Way (Pre-Engineering) (FPSTEMPLTW)**

A coherent sequence of courses for 4 or more credits that consists of at least two courses in the same career cluster, including at least one advanced CTE course, which includes any course that is the third or higher in a sequence. The final course in the sequence must be from the STEM career cluster.

Students may begin the 3 year program in the 10<sup>th</sup> grade or later, but must take the courses in sequence in order for the training and education to be most effective. The courses are outlined in their proper sequential order.

Year 1: Semester 1 (PLTW)-Introduction to Engineering Design (Denton ATC)

Year 1: Semester 2 (PLTW)-Computer Integrated Manufacturing (Denton ATC)

Year 2: Semester 1 (PLTW)-Principles of Engineering (Denton ATC)

Year 2: Semester 2 (PLTW)-Civil Engineering and Architecture (Denton ATC)

Year 3: Semester 1 (PLTW)-Digital Electronics (Denton ATC)

Year 3: Semester 2 (PLTW)-Engineering Design and Development (Denton ATC)

**Option 2: FHSP + STEM-Mathematics (FPSTEMMATH)**

3 credits in Mathematics by successfully completing Algebra II and 2 additional Math courses for which Algebra II is a prerequisite.

Possible sequence:

Algebra II

Pre-calculus

AP Calculus

Possible sequence:

Algebra II

Pre-calculus

Dual Credit Math

**Option 3: FHSP + STEM-Science (FPSTEMSCI)**

4 credits in Science by successfully completing Chemistry, Physics and 2 additional science courses.

Chemistry, Physics and 2 additional Science courses to earn 4 credits chosen from:

Environmental Systems

AP Biology

AP Chemistry

Anatomy and Physiology (AHS or Denton ATC)

Medical Microbiology/Pathophysiology

Forensic Science (Denton ATC)

**Option 4: FHSP + STEM-Math/Science (FPSTEMMASC)**

In addition to Algebra II, Chemistry, Physics, a coherent sequence of 3 additional credits from no more than 2 of the categories: CTE STEM Courses (see above); Math courses (see above); Science courses (see above)