

**Health Science  
Public Service Endorsement**



**Purpose:**

Within the Health Science tract students will be provided the opportunity to develop a greater understanding and gain certification(s) in the science of health care. The knowledge gained from this tract will create a positive foundation for any student interested in pursuing a career in the Health field.

**Available Certifications:**

EMT (Emergency Medical Technician)  
CNA (Certified Nurses Aide)  
Medical Coding and Billing

**Possible Career Fields:**

Nurse, Pharmacist, Doctor, Medical Transcriptionist, X-Ray technician, Paramedic, Physical Therapist

**Four Year Graduation Plan:**

9th Grade	10th Grade	11th Grade	12th Grade
Biology	Chemistry	Anatomy & Physiology	Medical Microbiology
Algebra I or Geometry	Geometry or Algebra II	Algebra II or Advanced Math	Advanced Math
ELA I	ELA II	ELA III	ELA IV
World Geography	Fine Art	US History	Govt/Economics
Spanish I	Spanish II	Health Science	CNA/EMT or Medical Transcription/Billing
PE (Ath, Band, PE)	Prin. of Health Science/ Medical Terminology	Elective	CNA/EMT or Medical Transcription/Billing
Principles in Technology/ Prof. Communications	Elective	Elective	Elective
Elective	Elective	Elective	Elective

# LVN Public Service Endorsement



**Purpose:**

Within the LVN tract students will be placed on an advanced path where he/she will be afforded the ability to gain an LVN certification upon graduation of high school. Due to the high demand of this tract students will be required to take college and summer courses to complete requirements.

**Available Certifications:**

- LVN (Licensed Vocational Nurse)
- EMT (Emergency Medical Technician)
- CNA (Certified Nurses Aide)

**Possible Career Fields:**

Nurse, Pharmacist, Doctor, Medical Transcriptionist, X-Ray technician, Paramedic, Physical Therapist

**Four Year Graduation Plan:**

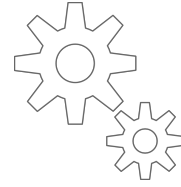
- *Must meet College Enrollment Requirements to complete the program*
  - *3.0 GPA and pass TSI exam before end of Sophomore year*

**summer requirements:**

- \* Dosage Calculations (taken summer prior to 11th grade)
- \* English 1301-1302 and A&P 2404 (taken summer prior to 12th grade)

9th Grade	10th Grade	11th Grade	12th Grade
Biology	Chemistry	Anatomy & Physiology	LVN Program
Algebra I	Geometry	Advanced Math	LVN Program
ELA I	Algebra II	ELA III	LVN Program
World Geography	ELA II	US History	LVN Program
Spanish I	Fine Art	Govt/Economics	LVN Program
PE (Ath, Band, PE)	Spanish II	CNA/EMT	LVN Program
Prin. of Health Science/ Medical Terminology	Health Science	CNA/EMT	LVN Program
Elective	Elective	Medical Microbiology	LVN Program

## **Engineering STEM Endorsement**



### **Purpose:**

Within the Engineering tract students will be provided the opportunity to develop a greater understanding of and receive hands on experience in robotic engineering. The knowledge gained from this tract will create a positive foundation for any student interested in pursuing a career the fields of Science, Technology, Engineering, and Mathematics.

### **Available Certifications:**

### **Possible Career Fields:**

Computer Programmer, Engineer, Mathematician, Computer Technician

### **Four Year Graduation Plan:**

<b>9th Grade</b>	<b>10th Grade</b>	<b>11th Grade</b>	<b>12th Grade</b>
Biology	Chemistry	Physics	Engineering and Design
Algebra I	Geometry or Alg II	Algebra II or PreCal	Advanced Math
ELA I	ELA II	ELA III	ELA IV
World Geography	Fine Art	US History	Govt/Economics
Spanish I	Spanish II	Principles of Engineering	Elective
PE (Ath, Band, PE)	Robotics	Elective	Elective
Concepts of Engineering/ Prof. Communications	Elective	Elective	Elective
Elective	Elective	Elective	Elective

## ***Multidisciplinary Endorsement***

### **Purpose:**

Similar to a general studies degree in college, students will have the ability to experience classes within other endorsements while completing a comprehensive set of courses geared toward college preparation.

### **Available Certifications:**

Depending upon students course of action

### **Possible Career Fields:**

Multiple Career Fields

### **Four Year Graduation Plan:**

<b>9th Grade</b>	<b>10th Grade</b>	<b>11th Grade</b>	<b>12th Grade</b>
IPC	Biology	Chem or Physics	Advanced Science
Algebra I or Geometry	Geometry or Algebra II	Algebra II or Advanced math	Advanced Math or Algebra II
ELA I	ELA II	ELA III	ELA IV
World Geography	World History	US History	Govt/Economics
Spanish I	Spanish II	Elective	Elective
PE (Ath, Band, PE)	Fine Art	Elective	Elective
Principles in Technology/ Prof. Communications	Elective	Elective	Elective
Elective	Elective	Elective	Elective

## **Information Technology Business & Industry Endorsement**



### **Purpose:**

IT careers involve the design, development, support and management of hardware, software, and multimedia. The IT industry is a dynamic working environment that has careers in every sector of the economy - from financial to medical services, from business to engineering. This tract has been developed to give students a strong foundation to pursue a career in the technology field.

### **Available Certifications:**

Mircosoft Office Specialist (MOS)- Word, Excel, PowerPoint

IC3- Internet and Computing Core

Google certifications

### **Possible Career Fields:**

Network Administrator, PC Support Specialist, Technical Writer, Instructional Designer, Web Designer, Graphic Artist

### **Four Year Graduation Plan:**

<b>9th Grade</b>	<b>10th Grade</b>	<b>11th Grade</b>	<b>12th Grade</b>
IPC	Biology	Chem or Physics	Advanced Science
Algebra I or Geometry	Geometry or Algebra II	Algebra II or Stats & Risk Mngmt	Stats & Risk Mngmt or Advanced Math
ELA I	ELA II	ELA III	ELA IV
World Geography	Fine Art	US History	Govt/Economics
Spanish I	Spanish II	Business Management	Commercial Photography (yearbook)
PE (Ath, Band, PE)	Web Technology/ Digital Interactive Media	Elective	Elective
Principles in Technology/ Prof. Communications	Elective	Elective	Elective
Elective	Elective	Elective	Elective

## ***Audio/Video Technology Business & Industry Endorsement***



### **Purpose:**

Careers in A/V Technology require strong backgrounds in computer and electronic-based technology. The A/V Technology tract begins to build these key foundations for students. Students will have to opportunity to experience and practice various skills within this tract, including making videos, design, and presentation via technology.

### **Available Certifications:**

Mircosoft Office Specialist (MOS)- Word, Excel, PowerPoint  
 Adobe Certified Associate  
 IC3- Internet and Computing Core  
 Google certifications

### **Possible Career Fields:**

Graphic Designer, Broadcasting, Engineer, Media Specialist, Retail Manager, Film Producer

### **Four Year Graduation Plan:**

<b>9th Grade</b>	<b>10th Grade</b>	<b>11th Grade</b>	<b>12th Grade</b>
IPC	Biology	Chem or Physics	Advanced Science
Algebra I or Geometry	Geometry or Algebra II	Algebra II or Math Models	Algebra II or Advanced Math
ELA I	ELA II	ELA III	ELA IV
World Geography	Fine Art	US History	Govt/Economics
Spanish I	Spanish II	Graphic Design and Illustration	Advanced A/V Production
PE (Ath, Band, PE)	A/V Production	Elective	Elective
Principles in Technology/ Prin. of A/V Technology	Elective	Elective	Elective
Elective	Elective	Elective	Elective

## ***Ag Mechanics Business & Industry Endorsement***

### **Purpose:**

Within the Ag Mechanics tract students will be provided the opportunity to develop a greater understanding and gain certification(s) in the related to the industrial field. The knowledge gained from this tract will create a positive foundation for any student interested in pursuing a career in industry.

### **Available Certifications:**

Welding Level One  
OSHA

### **Possible Career Fields:**

Welder, Pipeline Construction, Industrial Trade Occupations

### **Four Year Graduation Plan:**

<b>9th Grade</b>	<b>10th Grade</b>	<b>11th Grade</b>	<b>12th Grade</b>
IPC	Biology	Chem or Physics	Advanced Science
Algebra I or Geometry	Geometry or Algebra II	Algebra II or Advanced Math	Algebra II or Advanced Math
ELA I	ELA II	ELA III	ELA IV
World Geography	Fine Art	US History	Govt/Economics
Spanish I	Spanish II	Welding	Advanced Welding
PE (Ath, Band, PE)	Ag Mechanics	Construction Tech or Ag Power Systems	Advanced Welding
Principles of Agriculture	Elective	Elective	Elective
Elective	Elective	Elective	Elective

## **Ag Science Business & Industry Endorsement**

### **Purpose:**

Within the Ag Science tract students will be provided the opportunity to develop a greater understanding and gain certification(s) in the science of health care and wildlife. The knowledge gained from this tract will create a positive foundation for any student interested in pursuing a career in the Ag Science related field.

### **Available Certifications:**

Floral Design Certification  
 Veterinary Assistant  
 Texas Beef Quality Assurance

### **Possible Career Fields:**

Veterinary Medicine, Forestry Industry, Wildlife / Game Warden

### **Four Year Graduation Plan:**

<b>9th Grade</b>	<b>10th Grade</b>	<b>11th Grade</b>	<b>12th Grade</b>
IPC	Biology	Chemistry	Advanced Animal Science
Algebra I or Geometry	Geometry or Algebra II	Algebra II or Advanced Math	Algebra II or Advanced Math
ELA I	ELA II	ELA III	ELA IV
World Geography	Fine Art	US History	Govt/Economics
Spanish I	Spanish II	Welding	Wildlife and Forestry
PE (Ath, Band, PE)	Small Animal Mngmt/ Livestock Production	Veterinary Medicine	Elective
Principles of Agriculture	Elective	Elective	Elective
Elective	Elective	Elective	Elective