

# Architecture & Construction

Every home, every business, and every structure is the product of skilled construction professionals. If you enjoy working with your hands and seeing the results of your work, this area may be for you. You'll learn carpentry skills and remodeling techniques. You'll have the chance to master a wide range of hand tools and power tools, read blueprints and building plans. For electrical you will learn about branch and feeder circuits, conductor installations, circuit breakers and commercial electrical services.



**Career Opportunities:**

Carpenter, Electrician, Mason, Construction Manager, Civil Engineer, Operating Engineers

**2 Pathways - Electrical and Construction (A.K. Smith)**

**Potential to Earn:** 🏆 1-2 Industry Certifications 🎓 \*Up to 31 College Credits

## Course Work in this Career Pathway

<b>Recommended Intro-Level Courses</b>	<b>Intro to Construction</b> Grades 9-12	<b>Intro to Manufacturing</b> Grades 9-10	
<b>Required Specialized Courses - Construction</b>	<b>Principles of Construction Trades DC</b> Grades 11-12	<b>Construction Trades: General Carpentry</b> Grades 11-12	<b>Construction Trades: Framing and Finishing</b> Grades 11-12
<b>Required Specialized Courses - Electrical</b> (Energy Academy)	<b>Principles of Construction Trades DC</b> Grades 11-12	<b>Electrical Fundamentals</b> Grades 11-12	<b>Advanced Electrical</b> Grades 11-12
<b>Capstone Courses</b>	<b>Construction Trades Capstone</b> Grades 12	<b>Construction Trades Electrical Capstone</b> Grades 12	
<b>Additional Recommended Courses for 4-Year Programs</b>	<b>Intro to Lit, Eng Comp, Finite Math, Pre-Calc, Quant Reasoning</b>		

AP - Advanced Placement

DC- Dual Credit

\*- Refer to Dual Credit/Certifications Page for DC and Prereqs

# Arts, A/V Technology & Communication

**D**igital Design at MCHS allows our students to learn the principles of graphic design and typography. Students will utilize professional grade software (the Adobe Creative Suite) to create logos, banners, posters, magazine layouts and more. No prior design or art background required to enter the Digital Design pathway.



## Career Opportunities:

Digital Animation Artist, Digital Product Designer, Social Media Designer, Digital Graphic Designer

**2 Pathways - Digital Design - High School**  
**Fashion Textiles & Design - High School**

## Course Work in this Career Pathway

<b>Recommended Intro-Level Courses</b>	<b>Intro to Business</b> Grades 9-10	<b>Digital Applications &amp; Responsibility</b> Grades 9-12	
<b>Required Specialized Courses - Digital Design</b>	<b>Principles of Digital Design</b> Grades 9-10	<b>Digital Design Graphics</b> Grades 10-12	<b>Interactive Media Design (25-26)</b> Grades 10-12
<b>Capstone Courses - Digital Design</b>	<b>Digital Design Capstone (25-26)</b> Grades 11-12		
<b>Additional Recommended Courses for 4-Year Programs</b>	<b>Business Law &amp; Ethics, Business Math, Personal Financial Responsibility, Eng Pre-Calc, Quant. Reasoning, Adv Speech, US Gov</b>		

**AP** - Advanced Placement

**DC**- Dual Credit

# Automotive Technology

Do you enjoy working on machines? Use the latest equipment and tools to diagnose and repair engines, as well as brakes, electrical systems and suspension. Auto tech students are trained on engine performance and rebuilding, heating/air, transmissions, electrical and braking systems, and much more. In this pathway you have the opportunity to earn ASE certifications that will provide a foundation to begin a career in the automotive industry.



## Career Opportunities:

Automotive Service Technician or Mechanic, Automotive Engineer, Auto Parts Salesperson, Automotive Specialty Technician

## Automotive Services Technology - A.K. Smith

**Potential to Earn:** 🏆 3 Industry Certifications 🎓 \* Up to 21 College Credits

## Course Work in this Career Pathway

**Recommended  
Intro-Level  
Course**

**Intro to Engineering DC**  
Grades 9-12

**Required Specialized  
Courses**

**Principles of  
Automotive Services  
DC**  
Grades 11-12

**Brake Systems DC**  
Grades 11-12

**Steering and  
Suspensions DC**  
Grades 11-12

**Capstone  
Courses**

**Automotive Services  
Capstone DC**  
Grades 12

**Additional  
Recommended Courses**

**Personal and Financial Responsibilities, Speech**

**AP** - Advanced Placement

**DC**- Dual Credit

**\*** - Refer to Dual Credit/Certifications Page for DC and Prereqs

# Business Management & Administration

What goes into running a business? In the Business Administration courses you will learn about the legal, human resources, finance, and management parts of working in a business.



## Career Opportunities:

Business Owner, HR Specialist, Accountant, Operations Manager, General Manager, Customer Service Specialist

## Business Administration - High School

### Course Work in this Career Pathway

**Recommended Intro-Level Courses**

**Intro to Business**  
Grades 9-10

**Digital Applications & Responsibility**  
Grades 9-12

**Intro to Entrepreneurship**  
Grades 9-10

**Required Specialized Courses**

**Principles of Business Management**  
Grades 10-12

**Management Fundamentals**  
Grades 10-12

**Accounting Fundamentals**  
Grades 10-12

**Capstone Courses**

**Business Administration Capstone**  
Grades 11-12

**Additional Recommended Courses for 4-Year Programs**

**Business Law & Ethics, Business Math, Personal Financial Responsibility, Pre-Calculus, AP Calc AB**

**AP** - Advanced Placement

**DC**- Dual Credit

# Cosmetology

Although the styles will change, a cosmetologist's task will always remain the same...to help both men and women look attractive! The two year program is designed to build the skills and knowledge necessary to perform beauty treatments, including the care and beautification of the hair, complexion, and hands. At the A.K. Scissory School students will complete the services such as shampooing, cutting, styling, perming and coloring hair. You'll also be giving manicures, pedicures, and providing scalp and facial treatments, and applying makeup. Upon completion students are prepared to test for state certification.



## Career Opportunities:

Cosmetologist/Hair Stylist, Barber, Makeup Artist-Professional/Performance, Nail Technician, Spa Manager, Skin Care Specialist

## Cosmetology - A.K. Smith

**Potential to Earn:** 🏆 1 Industry Certifications 🎓 \* Up to 28 College Credits

## Course Work in this Career Pathway

**Recommended Intro-Level Course**

**Intro to Business**  
Grades 9-10

**Required Specialized Courses**

**Principles of Barbering and Cosmetology DC**  
Grades 11-12

**Barbering and Cosmetology Fundamentals DC**  
Grades 11-12

**Advanced Cosmetology DC**  
Grades 11-12

**Capstone Courses**

**Barbering and Cosmetology Capstone DC**  
Grade 12

**Additional Recommended Courses**

**Speech**

**AP** - Advanced Placement

**DC**- Dual Credit

\* - Refer to Dual Credit/Certifications Page for DC and Prereqs

# Education & Training

Inspiring young people is what this area is all about, as you get the opportunity to learn and work with kids. Students learn about child development, prepare lessons for young children, and take part in internships at community day care centers, preschools and elementary schools. This foundation prepares you to continue your education if you'd like to be a primary teacher at any grade level.



## Career Opportunities:

Child Care Teacher, Paraprofessional, Teacher, School Principal, Coach, Counselor

## 2 Pathways - Education Careers and (A.K. Smith) Early Childhood (High School)

**Potential to Earn:** 🏆 2 Industry Certifications 🎓 \*Up to 14 College Credits

### Course Work in this Career Pathway

<b>Recommended Intro-Level Courses</b>	<b>Interpersonal Relationships</b> Grades 9-12	<b>Adult Roles &amp; Responsibilities</b> Grades 10-12	<b>Child Development</b> Grades 9-12	<b>Advanced Child Development</b> Grades 9-12
<b>Required Specialized Courses - Education Careers</b>	<b>Principles of Teaching DC</b> Grades 11-12	<b>Child and Adolescent Development DC</b> Grades 11-12	<b>Teaching and Learning DC</b> Grades 11-12	
<b>Required Specialized Courses - Early Childhood</b>	<b>Principles of Early Childhood Education</b> Grades 11-12	<b>Early Childhood Education Curriculum</b> Grades 11-12	<b>Early Childhood Education Guidance</b> Grades 11-12	
<b>Capstone Courses</b>	<b>Education Professions Capstone DC</b> Grade 12 <i>*Paraprofessional Certification</i>		<b>Early Childhood Education Capstone</b> Grade 12 <i>*CDA Certification</i>	
<b>Additional Recommended Courses for 4-Year Programs</b>	Psychology, Sociology, AP Psychology, Eng Comp, Advanced Speech			

AP - Advanced Placement

DC- Dual Credit

\* - Refer to Dual Credit/Certifications Page for DC and Prereqs

# Finance

**F**inance relates to the services involved in financial and investment planning, banking, insurance, and business financial management. The finance and insurance industry is all about managing money and making financial transactions—from a child’s first savings account to multimillion-dollar corporate loans.



**Career Opportunities:**

Tellers, Accountants, Auditors, Loan Officers, Tax Preparers, Financial Managers

**Accounting - High School**

## Course Work in this Career Pathway

<b>Recommended Intro-Level Courses</b>	<b>Intro to Business</b> Grades 9-10	<b>Personal Financial Responsibility</b> Grades 10-12	<b>Digital Applications &amp; Responsibility</b> Grades 9-12
<b>Required Specialized Courses</b>	<b>Principles of Business Management</b> Grades 9-11	<b>Accounting Fundamentals</b> Grades 10-12	<b>Advanced Accounting</b> Grades 11-12
<b>Capstone Courses</b>	<b>Accounting Capstone</b> Grades 11-12		
<b>Additional Recommended Courses for 4-Year Programs</b>	<b>AP Statistics</b>		

**AP** - Advanced Placement

**DC**- Dual Credit

# Fine Arts

Creativity and personal expression are at the heart of the Fine Arts. Students can explore a variety of media while in the Visual Art classes or make music in band or choir. The Fine Arts provide students with non-academic benefits such as promoting self-esteem, aesthetic awareness, creativity, improved emotional expression, as well as social harmony and appreciation of the diversity of the world around them.



## 2 Pathways: Music and Visual Art

6 Total Credits required

Minimum C in all pathway classes

## Course Work in this Career Pathway

	Music	Visual Art
<b>Required Core Courses</b> 3 credits minimum <b>Music or Visual Art Pathway:</b> Introduction to Business –or- Principles of Business Management –or- Principles of Teaching	Beginning Concert Band –I & II -or- Beginning Chorus I & II	Introduction to 2D Art -and- Drawing I -or- Ceramics I -or- Fiber Art I -or- Painting I -or- Photography I -or- Sculpture I -or- Visual Communication I
<b>Electives</b> must take level I before II Optional to supplement to 6 credits	Intermediate Chorus I Intermediate Chorus II Intermediate Concert Band I Intermediate Concert Band II Adv Concert Band II Advanced Chorus II Choral Chamber Ensemble/City Singers II Applied Music Electronic Music Instrumental Ensemble Jazz Ensemble Music History and Appreciation Vocal Jazz Musical Theater Music Theory and Composition Piano and Electronic Keyboarding	Drawing I Drawing II Ceramics I Ceramics II Fiber Art I Fiber Art II Painting I Painting II Photography I Photography II Printmaking Sculpture I Sculpture II Visual Communication I Visual Communication II
<b>Required Advanced Courses</b> One credit minimum	Adv Concert Band I -or- Advanced Chorus I -or- Choral Chamber Ensemble/City Singers I -or- AP Music Theory (2 credits/2 semesters)	Advanced 2D Art -or- Photo 3

# Health Sciences

Want to learn the foundations of the healthcare field? You will have the opportunity to learn many skills such as taking vital signs, infection control, medical terminology, and foundational patient care skills that are essential to all healthcare fields. Students may obtain a CNA license while still in high school or may participate in EMS ride-alongs and Emergency room experiences.



## Career Opportunities:

Doctor, Nurse, Paramedic, Medical Lab Technician, Therapist

## 3 Pathways - Pre-Nursing and Emergency Medical Services (AK Smith) Biomedical Sciences and Technology (High School)

**Potential to Earn:** 🏆 2-3 Industry Certifications 🎓 \* Up to 26 College Credits

### Course Work in this Career Pathway: Pre-Nursing & Emergency Medical Services

<b>Recommended Intro-Level Courses</b>	<b>Interpersonal Relationships</b> Grades 9-12	<b>Child Development</b> Grades 9-12	<b>Advanced Child Development</b> Grades 9-12	
<b>Required Specialized Courses - Pre-Nursing</b>	<b>Principles of Healthcare DC</b> Grades 11-12	<b>Medical Terminology DC</b> Grades 11-12	<b>Health Science Tech Skills Dev</b> Grades 11-12 *CPR/First Aid/AED Certification	<b>Healthcare Specialist: CNA DC</b> Grades 11-12
<b>Required Specialized Courses - Emergency Medical Services</b>	<b>Principles of Healthcare DC</b> Grades 11-12	<b>Medical Terminology DC</b> Grades 11-12	<b>Emergency Medical Tech DC</b> Grades 11-12 *CPR/First Aid/AED Certification	
<b>Capstone Courses</b>	<b>Healthcare Specialist Capstone</b> Grade 12 *CNA Certification		<b>Healthcare Specialist Capstone DC</b> Grades 11-12 *NIMSCertification	
<b>Additional Recommended Courses for 4-Year Programs</b>	Chem II, Physics, Ap Bio, AP Chem, Pre-Calc, AP Calculus, Psychology, Sociology, Eng Comp, AP Eng Lang, AP Psychology			

AP - Advanced Placement

DC- Dual Credit

\* - Refer to Dual Credit/Certifications Page for DC and Prereqs

## Course Work in this Career Pathway: Biomedical Sciences & Technology

**Recommended Intro-Level Courses**

**Interpersonal Relationships**  
Grades 9-12

**Biology Honors**  
Grades 9

**Child Development**  
Grades 9-12

**Required Specialized Courses - Biomedical Sciences & Tech**

**Principles of Biomedical Sciences DC (PLTW)**  
Grade 9-11

**Human Body Systems DC (PLTW)**  
Grades 10

**Anatomy and Physiology**  
Grades 10-12

**Medical Interventions DC (PLTW)**  
Grades 11-12

**Capstone Courses**

**Healthcare Specialist Capstone**  
Grades 11-12

**Additional Recommended Courses for 4-Year Programs**

Chem II, Physics, AP Bio, AP Chem, Pre-Calc, AP Calculus, Psychology, Sociology, Eng Comp, AP Eng Lang, AP Psychology

**AP** - Advanced Placement

**DC**- Dual Credit

**PLTW** - Project Lead the Way

# Hospitality & Tourism

Do you want to be a part of the crew at coffee shops, restaurants, recreation locations, or travel destinations? Then a career in the hospitality and tourism cluster may be a good fit for you. Our curriculum follows that of the National Restaurant Association's Pro Start Program, providing students with the general knowledge and skills required for entry level positions in the food service industry. Student chefs cater events and run their own restaurant, the Career Cafe, providing hands-on experience. The industry is people-focused and includes lodging, event planning, transportation services, cruises, and tourism.



## Career Opportunities:

Bakers, Lodging Managers, Chefs, Recreation Workers, Event Planners

## Culinary Arts - A.K. Smith

## Potential to Earn:



3 Industry Certifications



\* Up to 21 College Credits

## Course Work in this Career Pathway

<b>Recommended Intro-Level Courses</b>	<b>Nutrition &amp; Wellness</b> Grades 9-12	<b>Advanced Nutrition &amp; Wellness</b> Grades 9-12	<b>Intro to Culinary Arts &amp; Hospitality</b> Grades 10-12
<b>Required Specialized Courses</b>	<b>Principles of Culinary and Hospitality DC</b> Grades 11-12	<b>Nutrition DC</b> Grades 11-12	<b>Culinary Arts DC</b> Grades 11-12
<b>Capstone Courses</b>	<b>Culinary Capstone DC</b> Grade 12		<b>Baking and Pastry Capstone DC</b> Grade 12
<b>Additional Recommended Courses for 4-Year Programs</b>	<b>Adv Eng Comp DC, Advanced Speech, Quantitative Reasoning</b>		

AP - Advanced Placement

DC- Dual Credit

\*- Refer to Dual Credit/Certifications Page for DC and Prereqs

# Information Technology

This career cluster is focused on building linkages in information technology occupations for entry level, technical and professional careers related to the design development, support and management of hardware, software, multimedia and systems integration services. IT offers a variety of both creative and technical careers,



## Career Opportunities:

Computer systems engineers, project management specialists, video game designers, database administrators, information security analysts, software developers

## Cybersecurity - High School

### Course Work in this Career Pathway

Recommended Intro-Level Courses	Topics in Computer Science Grades 10-12		Computer Science Grades 10-12
Required Specialized Courses	Principles of Computing Grades 9-10	Cybersecurity Fundamentals Grades 10-11	Advanced Cybersecurity (25-26) Grades 11-12
Capstone Courses	Cybersecurity Capstone (25-26) Grade 12		
Additional Recommended Courses for 4-Year Programs	AP Pre Calculus, AP Calculus, Finite Mathematics, AP Statistics, Eng Comp		

**AP** - Advanced Placement

**DC**- Dual Credit

**\***- Refer to Dual Credit/Certifications Page for DC and Prereqs

# Law, Public Safety, Corrections & Security

Law, public safety, corrections, and security are all about protecting and serving the public. People working in this sector deal with protecting life and property, enforcing laws, providing legal counsel, sentencing defendants, and rehabilitating offenders. In Criminal Justice, you'll be exposed to many aspects of the legal process, from a suspect being questioned, to trial, to incarceration.



### Career Opportunities:

Police Officer, Firefighter, Security Guard, Paralegal, Lawyer, Law Clerk, Court Reporter, Judge, Corrections Officer

## 2 Pathways - Criminal Justice and Fire Science (A.K. Smith)

**Potential to Earn:** 🏆 2 Industry Certifications 🎓 \*Up to 12 College Credits

## Course Work in this Career Pathway

**Recommended Intro-Level Courses**

**Interpersonal Relationships**  
Grades 10-12

**Required Specialized Courses - Criminal Justice**

**Principles of Criminal Justice DC**  
Grades 11-12

**Law Enforcement Fundamentals DC**  
Grades 11-12

**Corrections and Cultural Awareness DC**  
Grades 11-12

**Required Specialized Courses - Fire Science**

**Principles of Fire Rescue DC**  
Grades 11-12

**Fire Fighting Fundamentals DC**  
Grades 11-12

**Advanced Fire Fighting DC**  
Grades 11-12

**Capstone Courses**

**Fire & Rescue Capstone DC**  
Grade 12

**Additional Recommended Courses for 4-Year Programs**

Psychology, Sociology, AP Psychology, Adv Eng Comp, AP Eng Lang, Quantitative Reasoning, Speech, Adv Speech

**AP** - Advanced Placement

**DC**- Dual Credit

\* - Refer to Dual Credit/Certifications Page for DC and Prereqs

# Manufacturing

Today's manufacturing is a combination of engineering and technology around precision machining and welding. Creating parts and products may require you to program a CNC machine, or it may involve plasma cutting and welding. You will learn various types of welds and cutting operations, as well as fabrication, quality control, and weld testing. You will also create projects using a 3D printer and other state-of-the-art equipment.



## Career Opportunities:

CNC Technician, Fabricator, Welder, Project Engineer, Machinist, Industrial Engineering Technician, Pipe Fitter, Welding Engineer, Welding Instructor

## 4 Pathways:

**Precision Machining, Welding Technology & Industry 4.0 - Smart Manufacturing (A.K. Smith)  
Compressed Air (High School)**

**Potential to Earn:** 🏆 2+ Industry Certifications 🎓 \* Up to 27 College Credits

## Course Work in this Career Pathway: Precision Machining, Welding Technology, & Industry 4.0 Smart Manufacturing - A.K. Smith

**Recommended  
Intro-Level  
Courses**

**Intro to Engineering & Design (PLTW) DC**  
Grades 9-12

**Required Specialized  
Courses - Precision  
Machining**

**Principles of Precision  
Machining DC**  
Grades 11-12

**Precision Machining  
Fundamentals DC**  
Grades 11-12

**Advanced Precision  
Machining DC**  
Grades 11-12

**Required Specialized  
Courses - Welding  
Technology**

**Principles of Welding  
Technology DC**  
Grades 11-12

**Shielded Metal Arc  
Welding DC**  
Grades 11-12

**Gas Welding  
Processes DC**  
Grades 11-12

**Required Specialized  
Courses - Industry 4.0 -  
Smart Manuf**

**Principles of Industry  
4.0-Smart  
Manufacturing DC**  
Grades 11-12

**Robotics Design &  
Innovation DC**  
Grades 11-12

**Smart Manufacturing  
Systems DC**  
Grades 11-12

**Capstone Courses**

**Precision Machining  
Capstone DC**  
Grade 12

**Welding Technology  
Capstone DC**  
Grade 12

**Industry 4.0-Smart  
Manuf Capstone DC**  
Grade 12 (25-26)

**Additional  
Recommended Courses  
for 4-Year Programs**

**Finite Mathematics, Quantitative Reasoning, Eng Comp**

**AP** - Advanced Placement

**DC**- Dual Credit

**\*** - Refer to Dual Credit/Certifications Page for DC and Prereqs

The Compressed Air Academy is a one- or two-year program. It aims to maintain our region's distinction as an industry leader by building a workforce of well-prepared, qualified students. The curriculum focuses on industry safety and introductory craft skills, precision measuring tools, fasteners and anchors, steel piping, hoses, tubing, valves, and pumps and drivers. Students will work with industry-grade donated air compressor and vacuum systems, have hands-on learning opportunities at local compressor/vacuum industrial complexes and earn industry certifications preparing them for entry-level positions.

## **Course Work in this Career Pathway: Compressed Air - MCHS**

**Intro-Level  
Courses**

**Intro to Manufacturing**  
Grades 9-12

**Intro to Construction**  
Grades 9-12

**Specialized  
Courses - Compressed  
Air Academy**

**Compressed Air 1**  
Grades 10-12

**Capstone  
Courses**

**Compressed Air 2**  
Grades 11-12

**Additional  
Recommended Courses  
for 4-Year Programs**

**Chemistry, Physics, Algebra II, Pre-Calc, Intro to Engineering & Design**

# Marketing

Every day we are surrounded by sales and promotion to get us to purchase products. This is a creative area in which you learn about the marketing techniques and the role that it plays in influencing us. In classes you will learn about advertising, promoting products, and starting a business.



## Career Opportunities:

Advertising Manager, Marketing Director, Sales Associate, Client Services, Market Research Analyst, Real Estate Agent

## Marketing & Sales - High School

**Potential to Earn:** 🏆 2 Industry Certifications 🎓 12 College Credits

## Course Work in this Career Pathway

**Recommended Intro-Level Courses**

**Intro to Business**  
Grades 9-10

**Digital Applications & Responsibility**  
Grades 9-12

**Intro to Entrepreneurship**  
Grades 10-12

**Required Specialized Courses**

**Principles of Business Management**  
Grades 10-12

**Marketing Fundamentals**  
Grades 11-12

**Digital Marketing**  
Grades 10-12

**Capstone Courses**

**Business Management Capstone**  
Grades 11-12

**Additional Recommended Courses for 4-Year Programs**

AP Eng Language & Composition, AP Statistics, AP Calc AB, AP Psychology, Accounting, AP Macroeconomics, Personal Financial Responsibility

AP - Advanced Placement

DC- Dual Credit

# Science, Technology, Engineering & Mathematics

Careers in the Science, Technology Engineering and Math (STEM) cluster relate to planning, managing and providing scientific research and professional and technical services. STEM workers are employed by diverse industries, such as healthcare, manufacturing, telecommunications, construction, and agriculture.

## Career Opportunities:

Civil Engineer, Electrical Engineer, Mechanical Engineer, BioMedical Engineer, Software Developer, Mobile App Developer



## 2 Pathways - Engineering and Computer Science - High School

**Potential to Earn:**  Up to 12 College Credits

## Course Work in this Career Pathway

<b>Recommended Intro-Level Courses</b>	<b>Intro to Construction</b> Grades 9-12			
<b>Required Specialized Courses - Computer Science</b>	<b>Principles of Computing</b> Grades 9-11	<b>Topics in Computer Science</b> Grades 10-12	<b>Computer Science</b> Grades 10-12	
<b>Required Specialized Courses - Engineering</b>	<b>Intro to Engineering Design (PLTW) DC</b> Grades 9-12	<b>Principles of Engineering (PLTW) DC</b> Grades 10-12	<b>Civil Engineering and Architecture (PLTW) DC</b> Grades 11-12	<b>Computer Int Manufacturing DC</b> Grades 11-12
<b>Capstone Courses</b>	<b>Computer Science Capstone (25-26)</b> Grades 11-12		<b>Engineering Design and Development</b> Grade 12	
<b>Additional Recommended Courses for 4-Year Programs</b>	AP Calculus AB, AP Physics, AP Chemistry			

**AP** - Advanced Placement

**DC**- Dual Credit

**PLTW** - Project Lead the Way