

Career Clusters and Pathways for All High Schools

1. Agriculture, Food, and Natural Resources			
Pathway	Course 1	Course 2	Course 3
<i>Food Animal Systems</i> (PCHS)	Basic Agriculture Science 02.4710000	Animal Science and Biotechnology 02.4210000	Agricultural Animal Production and Management 01.4320000
<i>Agricultural Mechanics Systems</i> (PCHS)	Basic Agriculture Science 02.4710000	Agricultural Mechanics Technology I 01.4210000	Agricultural Mechanics Technology II 01.4220000
<i>Plant and Landscape Systems</i> (NPHS)	Basic Agriculture Science 02.4710000	General Horticulture and Plant Science 01.4610000	Nursery & Landscape 01.4700000
<i>Forestry/Wildlife Systems</i> (EPHS)	Basic Agriculture Science 02.4710000	Forest Science 03.4510000	Wildlife Management 03.4530000
2. Architecture and Construction			
<i>Architectural Drawing and Design</i> (EPHS-NPHS)	Intro to Drafting and Design 48.5410000	Architectural Drawing and Design I 48.5450000	Architectural Drawing and Design II 48.5460000
<i>Carpentry</i> (NPHS-SPHS)	Industry Fundamentals & Occ. Safety 46.5450000	Intro. to Construction I 46.5460000	Carpentry I 46.5500000
3. Arts, A/V Technology & Communications			
<i>Audio Video Technology and Film Pathway</i> (EPHS-HHS-NPHS-SPHS)	Audio and Video Technology & Film 10.5181000	Audio Video Technology and Film II 10.5191000	Technology and Film III 10.5201000
<i>Graphic Design</i> (EPHS-HHS)	Intro to Graphics and Design 48.5610000	Graphic Design and Production 48.5620000	Advanced Graphic Design 48.5280000
4. Business Management & Administration			
<i>Business and Technology</i> (EPHS, NPHS, PCHS, SPHS, PVA)	Intro to Business & Tech. 07.4413000	Business and Technology 07.4410000	Business Communication 07.4510000
5. Education and Training			
<i>Education as a Profession</i> (EPHS, NPHS, SPHS)	Examining the Teaching Profession 13.0110000	Contemporary Issues in Education 13.0120000	Teaching as a Profession Practicum 13.0130000
6. Energy			
<i>Energy and Power: Generation, Transmission and Distribution</i> (PCCA)	Foundations of Energy Technologies 49.5370000	Energy and Power: Generation, Transmission, and Distribution 49.5380000	Energy Systems Applications 49.5390000
7. Finance			
<i>Business Accounting</i> (NPHS)	Intro to Business & Tech. 07.4413000	Financial Literacy 07.4260000	Principles of Accounting I 07.4110000
<i>Financial Services</i> (HHS, PVA)	Intro to Business & Tech. 07.4413000	Financial Literacy 07.4260000	Banking, Investing & Insurance 07.4130000

<i>Advanced Accounting</i> (NPHS)	Introduction to Business & Tech. 07.4413000	Principles of Accounting I 07.4110000	Principles of Accounting II 07.4120000
8. Government and Public Administration			
<i>JROTC – Air Force</i> <i>8 blocks of courses may be taken in this pathway</i> (EPHS)	Aerospace Science: Leadership 100 28.0110000	Aerospace Science: Leadership 200 28.0120000	Aerospace Science: Leadership 300 28.0140000
<i>Additional courses beyond the first three are taken in this order:</i> 28.0160000 Aerospace Science: Leadership 400 28.0192000 Aerospace Science: Corps Management 28.0193000 Aerospace Science: Drill Only 28.0194000 Aerospace Science: Senior Project 28.0190000 Aerospace Science: Honors Ground School			
<i>JROTC – Army Leadership</i> <i>8 blocks of courses may be taken in this pathway</i> (HHS-NPHS-PCHS-SPHS)	JROTC Army Leadership Ed 1 - Alpha 28.03110	JROTC Army Leadership Ed 1 - Bravo 28.03120	JROTC Army Leadership Ed 2 - Alpha 28.03210
<i>Additional courses beyond the first three are taken in this order:</i> 28.03220 JROTC Army Leadership Ed 2 - Bravo 28.03310 JROTC Army Leadership Ed 3 - Alpha 28.03320 JROTC Army Leadership Ed 3 - Bravo 28.03410 JROTC Army Leadership Ed 4 - Alpha 28.03420 JROTC Army Leadership Ed 4 - Bravo			
9. Health Science			
<i>Therapeutic Services – Allied Health and Medicine</i> (EPHS-PCHS) <i>NOTE: The Allied Health & Medicine pathway at PCHS is only available for Academy students.</i>	Intro to Healthcare Science 25.5210000	Essentials of Healthcare 25.4400000	Allied Health and Medicine 25.4370000
<i>Therapeutic Services- Allied Health and Medicine- CMA</i> (HHS-PCCA)	Intro to Healthcare Science 25.5210000	Essentials of Healthcare 25.4400000	Allied Health and Medicine 25.4370000 4 th Course also available: Medical Assisting 25.4380000
<i>Therapeutic Services – Biotechnology Research and Development</i> (PCHS) <i>NOTE: This pathway is only available for Academy students.</i>	Intro to Healthcare Science 25.5210000	Essentials of Biotechnology 25.5700000	Application of Biotechnology 25.5690000
<i>Therapeutic Services – Patient Care</i> (NPHS-PCHS-SPHS-PCCA)	Intro to Healthcare Science 25.5210000	Essentials of Healthcare 25.4400000	Patient Care Fundamentals 25.4360000
<i>Therapeutic Services – Sports Medicine</i> (EPHS-HHS-NPHS-PCHS)	Intro to Healthcare Science 25.5210000	Essentials of Healthcare 25.4400000	Sports Medicine 25.4460000
10. Hospitality and Tourism			
<i>Culinary Arts</i> (EPHS-NPHS-PCHS-SPHS)	Intro to Culinary Arts 20.5310000	Culinary Arts I 20.5321000	Culinary Arts II 20.5331000

<i>Hospitality, Recreation & Tourism</i> (NPHS)	Marketing Principles 08.4740000	Hospitality, Recreation and Tourism Essentials 08.4530000	Hospitality, Recreation and Tourism Management 08.4530000
<i>Sports & Entertainment Mkt</i> (EPHS & NPHS)	Marketing Principles 08.4740000	Intro to Sports & Entertainment Marketing 08.4780000	Adv Sports & Entertainment Marketing 08.4850000
11. Human Services			
<i>Personal Care Services (Cosmetology)</i> (EPHS-HHS-NPHS-PCHS-SPHS)	Intro to Personal Care Services 12.5440000	Cosmetology II 12.4100000	Cosmetology III 12.4110000
<i>Nutrition and Food Science</i> (NPHS, PVA)	Food, Nutrition, and Wellness 20.41610	Food for Life 20.41400	Food Science 20.41810
12. Information Technology			
<i>Web and Digital Design</i> (NPHS, PVA)	Intro to Software Tech. 11.44600	Digital Design 11.4510000	Web Design 11.4520000
<i>Cybersecurity</i> (PCCA)	Intro to Hardware Tech. 11.44800	Introduction to Cybersecurity 11.4810000	Advanced Cybersecurity 11.4820000
<i>Web Development</i> (EPHS, PCHS)	Intro to Software Tech. 11.44600	Computer Science Principles 11.47100	Web Development 11.42500
Computer Science (HHS-NPHS-SPHS) <i>** HHS offers this for HACs magnet students only.</i>	Intro. to Software Tech. 11.44600	AP Computer Science Principles 11.0190000	AP Computer Science 11.2160000
<i>Game Design</i> (NPHS)	Intro to Software Tech. 11.44600	Computer Science Principles 11.47100	Programming, Games, Apps, and Society 11.4720000
13. Law, Public Safety, Corrections, and Security			
<i>Law Enforcement Services-Criminal Investigations</i> (HHS-NPHS-PCHS-SPHS)	Intro to Law, Public Safety, Corrections, & Security 43.4500000	Criminal Justice Essentials 43.4510000	Criminal Investigations 43.4530000
14. Manufacturing			
<i>Robotics/Mechatronics</i> (PCCA)	Intro to Mechatronics -- DC Theory, Pneumatic Systems, and Programmable Logic Controllers 21.4620000	AC Theory, Electric Motors, and Hydraulic Systems 21.4630000	Semiconductors, Mechanical Systems, and Pump and Piping Systems 21.4640000
15. Marketing			
<i>Marketing and Management</i> (EPHS-SPHS)	Marketing Principles 08.4740000	Marketing & Entrepreneurship 08.4410000	Marketing Management 08.4420000
<i>Marketing Communications and Promotions</i> (PCHS)	Marketing Principles 08.4740000	Promotion and Digital Marketing 08.4510000	Integrated Marketing Communications 08.4520000
16. Science, Technology, Engineering, and Mathematics			
<i>Engineering Drafting and Design</i> (HHS)	Introduction to Drafting and Design 48.5410000	Survey of Engineering Graphics 48.5420000	3-D Modeling and Analysis 48.5430000
<i>Engineering & Technology Pathway</i> (NPHS (2 nd Sem) – SPHS)	Foundations of Engineering 21.4250000	Engineering Concepts 21.4710000	Engineering Applications 21.4720000

17. Transportation, Distribution, and Logistics			
General Automotive Technology (EPHS-HHS-NPHS-PCHS-SPHS)	Automotive Technologies 1 47.45000	Automotive Technologies 2 47.45100	Automotive Technologies 3 47.45200
Collision Repair- Painting and Refinishing (PCHS)	Introduction to Collision Repair 47.56500	Painting and Refinishing I 47.56600	Painting and Refinishing II 47.56700

CTAE Pathways (Description)

The below is a description of the first courses usually taken in the CTAE pathways:

1. Agriculture, Food, and Natural Resources

Animal Systems

Plant Systems

Basic Agriculture Science - 02.4710000

This course is designed as an introduction or support course for this Program of Study. The course introduces the major areas of scientific agricultural production and research; presents problem solving lessons and introductory skills and knowledge in agricultural science and agri-related technologies. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities

2. Architecture and Construction

Architectural Drawing & Design

Introduction to Drafting and Design - 48.5410000

Introduction to Engineering Drawing and Design is a foundation course that serves as an introduction to the drafting and design field and is a prerequisite to all other courses in the Engineering Drawing and Design program. Emphasis is placed on safety, geometric construction, fundamentals of Computer-Aided Drafting, and multi-view drawings. Students learn drafting techniques through the study of geometric construction at which time they are introduced to computer-aided drafting and design. The standards are aligned with the drafting and design standards in the Georgia's technical colleges, thus helping students qualify for advanced placement should they continue their education at the postsecondary level. Further, the standards are aligned with the national standards of the American Design Drafting Association (ADDA). Students who successfully complete this and other drafting courses should be prepared to take the Drafter Certification Examination from the ADDA. Competencies for the co-curricular student organization, SkillsUSA, are integral components of both the core employability skills standards and the technical skills standards. SkillsUSA activities should be incorporated throughout instructional strategies developed for the course.

Carpentry

Electrical

Industry Fundamentals and Occupational Safety – 46.5450000

This course is the foundational course that prepares students for a pursuit of any career in the field of construction. It prepares the student for the basic knowledge to function safely on or around a construction site and in the industry in general. It provides the student with the option for an Industry Certification in the Construction Core.

This course explains the safety obligations of workers, supervisors, and managers to ensure a safe workplace. Course content discusses the causes and results of accidents and the dangers of rationalizing risks. It includes the basic content of OSHA 10-hour safety standards. It also includes the basic knowledge and skills needed in the following areas: construction math, hand and power tools used in the field, general blueprints, and basics of rigging safety.

3. Arts, A/V Technology and Communications

Graphics Design

Graphic Communications

Intro to Graphic Design – 48.5610000

This course is the first in a series that prepares the student for employment or entry into a postsecondary education program in the graphic communications career field. Topics to be covered include Introduction to Graphic Communication Career; Digital File Preparation; Press Operations, Measurement; Safety & First Aid, and Math for Printing.

4. Business Management and Administration

Business and Technology

Introduction to Business and Technology – 07.4413000

This is a foundations course that introduces practical applications including operating environments, word processing, spreadsheets, database, presentation software, multimedia, graphics, photographic editing, and emerging technologies.

5. Education and Training

Education as a Profession, Not offered in 9th grade

Examining the Teaching Profession – 13.0110000

Examining the Teaching Profession prepares candidates for future positions in the field of education. Teaching Profession candidates study, apply, and practice the use of current technologies, effective teaching and learning strategies, the creation of an effective learning environment, the creation of instructional opportunities for diverse learners and students with special needs, and plan instruction based on knowledge of subject matter, students, community, and curriculum performance standards.

Candidates will be prepared to practice their skills and knowledge at a variety of elementary and secondary education sites. Mastery of standards through project-based learning, technical skills practice, and leadership development activities of the career and technical student organizations will provide students with a competitive edge for either entry into the education global marketplace and/or the post-secondary institution of their choice to continue their education and training.

6. Energy

Foundations of Energy Technologies – 49.53700

Foundations of Energy Technologies explores the relationship between force, work, energy, and power. Students study the characteristics, availability, conversion, control, transmission, and storage of energy and power, as well as examine and apply the principles of electrical, fluid, and mechanical power. Students research renewable, nonrenewable, and inexhaustible resources and conservation efforts. Using their course acquired skills, students will further understand the many careers that exist in energy and related technologies

7. Finance

Introduction to Business and Technology – 07.4413000

Introduction to Business & Technology is the foundational course for Advanced Accounting, Business Accounting, and Financial Services pathways. The course is designed for high school students as a gateway to the career pathways above and provides an overview of business and technology skills required for today's business environment. Knowledge of business principles, the impact of financial decisions, and technology proficiencies demanded by business combine to establish the elements of this course. Emphasis is placed on developing proficient fundamental computer skills required for all career pathways. Students will learn essentials for working in a business environment, managing a business, and owning a business. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society. Various forms of technologies will be highlighted to expose students to the emerging technologies in the business world. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are taught in this course as a foundational knowledge to prepare students to be college and career ready.

8. Government and Public Administration

JROTC Air Force

Aerospace Science: A Journey into Aviation History and Leadership I – 28.0110000

Aerospace Science: Frontiers of Aviation History is a course that focuses on the frontiers of aviation history. The course is designed to allow students to apply the material. Thus, it is important that the application-level activities be emphasized. The course is designed to enable the student to sort through the key aspects of the historical development of flight and the role of the military in history. Students develop and illustrate ideas about attempts to fly in ancient civilizations throughout the world, the first record of scientific study, first flights, and the impact aviation had on the conduct of war. The course enables the students to distinguish the United States' position at wartime and how wars brought about the development of new weapons, new methods of warfare, new aircraft, more pilots, and the need for pilot training. The course is designed for students to examine the historical development of flight and the role of the military in history. Students explore the U.S. policy of containing the spread of communism and the role of air power during the Korean War, the Cuban Missile Crisis, and the Vietnam War. The students review the peaceful roles and missions in support of national

objectives that the military is involved in, and the value of air power during the Persian Gulf War. The performance standards in this course are based on the performance standards.

JROTC Army

JROTC Army Leadership Education I – 28.0310000

This course includes classroom instruction and laboratory instruction in the history, customs, traditions and purpose of Army JROTC. It contains the development of basic leadership skills to include leadership principles, values and attributes. Development of core skills students should master, an appreciation for diversity, and active learning strategies are integrated throughout the course. Emphasis is placed on writing skills and oral communications techniques. Financial planning is introduced. Physical fitness, diet, nutrition, healthy lifestyles and awareness of substance abuse and prevention and basic first aid measures are additional content areas. An overview of geography and the globe are incorporated. Also included is a study of the U.S. Constitution, Advisement of Rights, responsibilities of U.S. citizens and the federal justice system. The performance standards in this course are based on the performance standards identified in the curriculum for the US Army JROTC. Successful completion of at least three units of credit in the Army JROTC program will qualify the student for advanced placement in a college ROTC program or Accelerated promotion in the military services.

9. Healthcare Science

Therapeutic Services – Allied Health and Medicine

Biotechnology Research and Development

Therapeutic Services – Patient Care

Therapeutic Services --Sports Medicine

Introduction to Healthcare Science – 25.5210000

Introduction to Healthcare Science is a foundations course for the Therapeutic Services Career Pathway. It is appropriate for students wishing to pursue a career in the Healthcare Industry. The course will enable students to receive initial exposure to Healthcare Science skills and attitudes applicable to the healthcare industry. The concepts of health, wellness, and preventative care are evaluated, as well as ethical and legal responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including medical terminology, microbiology, and basic life support. Students are required to meet both national and intrastate professional guidelines as designated by applicable regulatory agencies such as the Occupational Health and Safety Administration (OSHA) and Center for Disease Control (CDC). Mastery of these standards through project-based learning, technical skills practice, and leadership development activities of the career and technical student organization -Health Occupations Students of America (HOSA) will provide students with a competitive edge for either entry into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training. This course is considered broad-based with high impact and is a prerequisite for all Healthcare Science Education courses.

10. Hospitality and Tourism

Culinary Arts

Introduction to Culinary Arts – 20.5310000

Introduction to Culinary Arts is a course designed to introduce students to fundamental food preparation terms, concepts, and methods in Culinary Arts where laboratory practice will parallel class work. Fundamental techniques, skills, and terminology are covered and mastered with an emphasis on basic kitchen and dining room safety, sanitation, equipment maintenance and operation procedures. Course also provides an overview of the professionalism in the culinary industry and career opportunities leading into a career pathway to Culinary Arts.

Hospitality, Recreation, and Tourism/Sports and Entertainment Marketing

Marketing Principles – 08.4740000

Marketing Principles is the foundational course in the Marketing career cluster. Marketing Principles addresses all the ways in which marketing satisfies consumer and business needs and wants for products and services. Students develop an understanding of the functions of marketing and how these functional areas affect all businesses. They learn basic marketing concepts and the role of marketing in our economy. Students also develop skills in applying economic concepts to marketing, distribution and logistics, marketing information management, finance in marketing, product/service planning, pricing mixes, promotional strategies, and personal selling. In order to increase the number of application experiences, students should participate in work-based learning activities and the student organization, DECA, an association of marketing students. It is highly advantageous for students to participate in a school-based enterprise where available.

11. Human Services

Personal Care Services -- Cosmetology

Introduction to Personal Care Services – 12.5440000

This course is designed to provide the student with an opportunity to become familiar with the cosmetology profession, Georgia State Board of Cosmetology requirements, laws, rules and regulations, and introduces the fundamental theory and practices of the cosmetology profession. Emphasis is placed on professional practices and safety. Competencies for the co-curricular student

organization SkillsUSA-VICA are integral components of both the core employability skills standards and the technical skills standards, and SkillsUSA-VICA activities should be incorporated throughout instructional strategies developed for the course.

Nutrition and Food Science

Food Nutrition & Wellness – 20.41610

Food, Nutrition and Wellness is the foundational course in the nutrition and food science pathway. The focus of the course is centered on healthy food and lifestyle choices. Students will investigate the interrelationship of food, nutrition and wellness to promote good health. Mastery of standards through project-based learning, technical skills practice, and leadership development activities of Family, Career and Community Leaders of America (FCCLA) will provide students with a competitive edge for either entry into the education global marketplace and/or the post-secondary institution of their choice to continue their education and training.

12. Information Technology

Web and Digital Design, Web Development, Game Design, Programming, Cloud Computing, and Computer Science

Introduction to Software Technology 11.44600

Introduction to Software Technology is the foundational course for Cloud Computing, Computer Science, Game Design, Internet of Things, Programming, Web and Digital Design, and Web Development pathways. This course is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and the business world. Exposure to foundational knowledge in programming languages, software development, app creation, and user interfacing applications are all taught in a computer lab with hands-on activities and project-focused tasks. Students will not only understand the concepts but apply their knowledge to situations and defend their actions, decisions, and/or choices through the knowledge and skills acquired in this course. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organizations are integral components of both the employability skills standards and content standards for this course. Various forms of technologies will be highlighted to expose students to the emerging technologies impacting the digital world. Professional communication skills and practices, problem solving, ethical and legal issues, and the impact of effective presentation skills are taught in this course as a foundational knowledge to prepare students to be college and career ready. The knowledge and skills taught in this course build upon each other to form a comprehensive introduction to the digital world. Introduction to Software Technology is a course that is appropriate for all high school students.

Cybersecurity

Introduction to Hardware Technology 11.44800

Introduction to Hardware Technology is the foundational course for Information Support & Services, Networking, and Cybersecurity pathways. This course is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal lives, society, and the business world. Exposure to foundational knowledge in hardware, IT support, networks, and cybersecurity are all taught in a computer lab with hands-on activities and project-focused tasks. Students will not only understand the concepts but apply their knowledge to situations and defend their actions/decisions/choices through the knowledge and skills acquired in this course. Various forms of technologies will be used to expose students to resources, software, and applications of technology maintenance and repair. Professional communication skills and practices, problem-solving, ethical, and legal issues, and the impact of effective presentation skills are enhanced in this course to prepare students to be college and career ready. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organizations are integral components of both the employability skills standards and content standards for this course. Introduction to Hardware Technology is the first course in the Networking, Cybersecurity, and Information Support and Services pathways and is appropriate for all high school students.

13. Law, Public Safety, Corrections, and Security Law Enforcement Services

Introduction to Law, Public Safety, Corrections, and Security – 43.4500000

This course will examine the role and structure of government and the rights and responsibilities of citizens in a democratic society. Students will examine the components of the criminal justice system including law enforcement, corrections and the courts. Students will explore differences in the adult and juvenile court systems and between civil and criminal law. The student will also explore and discuss the contributions that private security, protective services, fire/rescue and emergency management make to public safety.

14. Manufacturing

Robotics / Mechatronics

Introduction to Mechatronics – DC Theory, Pneumatic Systems, and Programmable Logic Controllers –

21.46200

By completing this course, students will be introduced to direct current concepts and applications, pneumatic system fundamentals, and programmable logic controllers (PLCs). Topics include, but are not limited to, electrical laws and principles, magnetism, series, parallel, and simple combination DC circuits, pneumatic system principles and components, and PLC installation and programming. Theory and practical application concepts are discussed and illustrated through labs.

15. Marketing

Marketing and Management and Marketing Communications and Promotions

Marketing Principles –08.4740000

Marketing Principles is the foundational course in the Marketing career cluster. Marketing Principles addresses all the ways in which marketing satisfies consumer and business needs and wants for products and services. Students develop an understanding of the functions of marketing and how these functional areas affect all businesses. They learn basic marketing concepts and the role of marketing in our economy. Students also develop skills in applying economic concepts to marketing, distribution and logistics, marketing information management, finance in marketing, product/service planning, pricing mixes, promotional strategies, and personal selling. To increase the number of application experiences, students should participate in work-based learning activities and the student organization, DECA, an association of marketing students. It is highly advantageous for students to participate in a school-based enterprise where available.

16. Science, Technology, Engineering, and Mathematics

Engineering Drafting and Design

Introduction to Drafting and Design – 48.5410000

Introduction to Drafting and Design is the foundational course for the Architectural Drafting and Design pathway. Emphasis is placed on safety, geometric construction, fundamentals of computer-aided drafting, and multi-view drawings. Students learn drafting techniques through the study of geometric construction at which time they are introduced to computer-aided drafting and design. The standards are aligned with the national standards of the American Design Drafting Association (ADDA).

Engineering and Technology

Foundations of Engineering and Technology – 21.4250000

Foundations of Engineering and Technology is the introductory course for the Engineering and Technology Education pathways. This STEM driven course provides the students with an overview of engineering and technology including the different methods used in the engineering design process developing fundamental technology and engineering literacy. Students will demonstrate the skills and knowledge they have learned through various project-based activities while using an engineering design process to successfully master the “E” in STEM. The pre-requisite for this course is advisor approval.

17. Transportation, Distribution, and Logistics

General Automotive Technology

Automotive Technologies 1 47.45000

This course is designed as the foundational course for the General Automotive Technology pathway. Students in this course will learn the basic skills needed to gain employment as an entry level automotive technician. Students will be exposed to courses in automotive preventative maintenance, brakes, steering and suspension, electrical systems, engine repair, engine performance, automatic transmission, manual transmission, and differential & automotive HVAC. The hours completed in this course are aligned with ASE standards and are a base for the entry-level technician.

Collision Repair- Painting and Refinishing

Introduction to Collision Repair 47.56500

Introduction to Collision Repair is the prerequisite course in all the collision repair pathways. Employment opportunities in the collision repair field will be explored in this course. Students will be exposed to all areas of collision repair and automotive refinish, such as safety, refinishing, metal repair, plastic repair, automotive construction, and estimate reading and writing. Basic skills in all the above-mentioned areas will be taught.

WORK-BASED LEARNING

Work-Based Learning: The Work-Based Learning (WBL) program is designed to provide experiences and activities that support a school to career transition. Students are allowed to work off campus in the business community during the school day to learn more about a chosen career. Students participating in WBL must be at least 15 years of age by September 1st of the current school year. Students must also have a GPA of 75 or higher, teacher recommendation, and good attendance and discipline. Students participating in WBL may be paid or unpaid for their work experience.

REQUIREMENTS FOR WBL

- Students who completed or enrolled in one or more CTAE pathway course.
- Pathway needs to relate to the WBL job.
- Students must be at least 15 years of age by September 1st of the current school year.
- Students must have good attendance, discipline, and teacher recommendations
- Students must have a 75 Numeric GPA or higher

EMPLOYABILITY SKILL DEVELOPMENT (ESD)

- Paid entry level work
- Limited to one year
- May or may not be linked to a specific pathway
- Must have completed a CTAE course

INTERNSHIP

- Paid or unpaid work experience
- Directly related to a student's career pathway
- Can occur in the school or the workplace (must be approved)
- Must have earned one credit in a pathway course

COOPERATIVE EDUCATION (CO-OP)

- Paid work experience
- Directly related to student's career pathway
- Enrolled in a course that is directly related to job placement

YOUTH APPRENTICESHIP (YAP)

- Paid or unpaid work in a highly technical, highly skilled position
- Work in chosen career area that relates to completed pathway course
- Student must have post-secondary education plans in chosen career area (earning a degree, licensing, or certification depending on career requirement)
- For completion of YAP program students must have 720 hours of training while in high school and post-secondary institutions.