
HIGH SCHOOL CAREER AND TECHNICAL EDUCATION PATHWAYS AND COURSES

Business and Information Systems

Accounting I
Accounting II
Aerial Cinematography
Cinematography
Computer Applications I
Computer Applications II
Computer Applications III
Computer Applications IV
Digital Photography I
Digital Photography II
Employability Skills
Intro to Web Design I**
Intro to Web Design II**
Keyboarding
Marketing I

Construction, Architecture, and Drafting

Computer Aided Drafting/Computer Aided Manufacturing I
Computer Aided Drafting/Computer Aided Manufacturing II
Computer Aided Drafting/Computer Aided Manufacturing III
Construction I
Construction II
Construction III
Welding I
Welding II
Welding III
Welding IV

Engineering

Principles of Engineering
Digital Electronics
Robotics I
Robotics II

Health Science

Certified Nursing Assistance*
Emergency Trauma Technician*
Medical Terminology
Personal Care Assistant*
Introduction to Pharmacy

Hospitality and Tourism

Culinary Arts I
Culinary Arts II
Nutrition of Foods I
Nutrition of Foods II

Human Services

Early Childhood Education I
Early Childhood Education II
Introduction to Criminal Justice

Natural Resources

Marine Technology
Natural Resources Technology I*
Natural Resources Technology II*
Introduction to Nautical Skills*

Transportation

Automotive I
Automotive II
Automotive III
Small Engines/Power Mechanics I
Small Engines/Power Mechanics II

*Courses offered by educational partners.

**Course descriptions not available at this time.

Business and Information Systems

ACCOUNTING I			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Business and Information Systems		Prerequisite: None	
CTE Course Level: Foundation			
Certifications/Common Assessments: Skills USA; Labs, Oral assessments, and CAT			
Course Description: Accounting I is designed to provide students with the fundamental skills needed to understand the basic accounting cycle for a sole proprietorship or partnership for a service and merchandising business.			

ACCOUNTING II			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Business and Information Systems		Prerequisite: Accounting I	
CTE Course Level: Concentrator			
Certifications/Common Assessments: SkillsUSA; Labs, Oral assessments, CAT, and Accounting Basic			
Course Description: Accounting II is designed to provide students with the fundamental skills needed to understand the basic accounting cycle for a merchandising business.			

AERIAL CINEMATOGRAPHY			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Business and Information Systems		Prerequisite: None	
CTE Course Level: Foundation			
Certifications/Common Assessments: AK Aerial Certification, AK Aerial Instructor Assessment, AK Aerial Sight ID Formative Assessment, AK Aerial LMS Instructor Flight Assessment, and FAA Part 107 Exam.			
Course Description: In Aerial Cinematography students will develop knowledge and understanding of FAA regulations, airspace, map orienteering, physics of flight, flight safety and basics, basic flight maneuvers both GPS assisted and non-GPS assisted, advanced UAA flight maneuvers, basic UAS construction, wiring, and programming. Earn certification in DJI Phantom series and Inspire series and complete preparation for commercial licensing through the FAA Part 107 UAS commercial licensing regulations.			

CINEMATOGRAPHY			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Business and Information Systems		Prerequisite: None	
CTE Course Level: Foundation			
Certifications/Common Assessments: Lab projects and teacher made performance assessments			
Course Description: Cinematography is designed to teach students video camera operation and video editing. The students will apply their skills by videotaping, editing, rendering and producing DVD's of events that take place throughout the year. Examples of past productions have been the following: Christmas Choir, School Plays, Video Yearbooks, Graduation Highlight Videos, graduation ceremonies, and daily announcements.			

COMPUTER APPLICATIONS I			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Business and Information Systems		Prerequisite: None	
CTE Course Level: Foundation			
Certifications/Common Assessments: Word 2010 Expert-Microsoft Office Specialist (MOS) – [E]			
Course Description: Computer Applications I exposes students to the appropriate behaviors and safety in using the internet. Students are introduced to computer hardware and uses of various software programs. Students will learn basic to advanced word processing and uses of the Internet, and be able to integrate skills in all academic subject areas. Students will begin preparation for possible Microsoft Word certifications.			

COMPUTER APPLICATIONS II			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Business and Information Systems		Prerequisite: Computer Applications I	
CTE Course Level: Concentrator			
Certifications/Common Assessments: Word-Microsoft Office Specialist (MOS)			
Course Description: Computer Applications II provides students the opportunity to master abilities in Microsoft Excel, PowerPoint, and Access. Students will be prepared for possible Microsoft Excel and PowerPoint certifications.			

COMPUTER APPLICATIONS III

Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Business and Information Systems		Prerequisite: Computer Applications II	
CTE Course Level: Completer			
Certifications/Common Assessments: Word-Microsoft Office Specialist (MOS)			
Course Description: Computer Applications III provides students opportunities to master their abilities in electronic database applications. Students will be able to master Microsoft Access and will be prepared for possible Microsoft Access certification. Other topics include advanced web applications, computer science, PC maintenance, and network troubleshooting.			

COMPUTER APPLICATIONS IV

Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Business and Information Systems		Prerequisite: Computer Applications III	
CTE Course Level: Completer			
Certifications/Common Assessments: MS Word Skill Pre-assessment; MS Word Reinforcement; MS Word Project; MS Word Post Assessment; MS Excel Skill Pre-assessment; MS Excel Reinforcement; MS Excel Project; MS Excel Post Assessment; MS PowerPoint Skill Pre-assessment; MS PowerPoint Reinforcement; MS PowerPoint Project; MS PowerPoint Post Assessment; MS Access Skill Pre-assessment; MS Access Reinforcement; MS Access Project; MS Access Post Assessment			
Course Description: In Computer Applications IV, students will perform advanced integration using all Microsoft Office software skills (Word, Excel, PowerPoint, and Access). Students will be prepared for Microsoft Office User exams if student is interested. Testing centers are at various sites throughout the state of Alaska. Project-based training and testing for (Microsoft Office Specialist (MOS) 2013 certification provides industry-leading assessments of skills and knowledge, giving students and professionals real-world exercises to appraise their understanding of Microsoft Office.			

DIGITAL PHOTOGRAPHY I

Grade: 10-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Business and Information Systems		Prerequisite: None	
CTE Course Level: Foundation			
Certifications/Common Assessments: Adobe Photoshop – Visual Communication			
Course Description: Digital photography students will develop both technical and creative skills through the use of digital cameras, scanners, printers, and digital imaging software. Students will study and apply the art of elements and principles of design. Major aspects of study include the development of photography as an art medium, the eye of the photographer, and the quality of work. Contemporary digital photography is explored.			

DIGITAL PHOTOGRAPHY II

Grade: 10-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Business and Information Systems		Prerequisite: Digital Photography I	
CTE Course Level: Concentrator			
Certifications/Common Assessments: Adobe Photoshop – Visual Communication			
Course Description: This is an intermediate course designed for students who have successfully completed one semester of Digital Photography I. Digital photography II students will continue to develop both technical and creative skills through the use of digital cameras, scanners, printers, and digital imaging software. Students will study and apply the art of elements and principles of design. Major aspects of study include the development of photography as an art medium, the eye of the photographer, and the quality of work. Contemporary digital photography is explored.			

EMPLOYABILITY SKILLS

Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Business and Information Systems, Construction, and Human Services		Prerequisite: None	
CTE Course Level: Foundation			
Certifications/Common Assessments: NCCER Core-Basic Employability Skills Module 00108-04 “C019” Resume, Reference Letter,			
Course Description: Employability Skills is an introductory course designed to prepare students for entering the workplace. You learn business etiquette, communications skills, the job search process, effective work habits and how to be effective in the workplace. This is a required pre requisite for the CNA Training Course and is helpful for all Career Pathways.			

KEYBOARDING

Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Business and Information Systems		Prerequisite: None	
CTE Course Level: Foundation			
Certifications/Common Assessments: Create a letter, design tables, reports, and merge documents, and Words per minute assessment			
Course Description: In Keyboarding students will learn to create and format a document, including using a toolbar, organizing content and customizing WORD to personal specifications. Students will create documents preparation covers arranging paragraphs, manipulating text, and inserting and formatting pictures using the tools.			

MARKETING I

Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Business and Information Systems		Prerequisite: None	
CTE Course Level: Foundation			
Certifications/Common Assessments: Service Essentials - NBEA			
Course Description: Marketing I introduces students to marketing occupations. Course content includes business operations, product distribution, marketing communications skills, product display, cash register operations, inventory, and career education.			

Construction, Architecture, and Drafting

COMPUTER AIDED DRAFTING/COMPUTER AIDED MANUFACTURING I

Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Construction, Architecture, and Drafting		Prerequisite: None	
CTE Course Level: Foundation			
Certifications/Common Assessments: SkillsUSA Technical Drafting			
Course Description: In Computer Aided Drafting/Computer Aided Manufacturing I students will be introduced to theory and applications of computer programs that provide the automatic generation of CNC machine tool codes from the entry of part geometry. Students will learn to operate designs and run tool paths for CNC machines in 2.5/2 D. This technology eliminates the need for the CNC programmer to master the traditional M and G codes and dramatically shortens CNC programming time.			

COMPUTER AIDED DRAFTING/COMPUTER AIDED MANUFACTURING II

Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Construction, Architecture, and Drafting		Prerequisite: Computer Aided Drafting/ Computer Aided Manufacturing I	
CTE Course Level: Concentrator			
Certifications/Common Assessments: Basic Safety/NCCER and SkillsUSA			
Course Description: In Computer Aided Drafting/Computer Aided Manufacturing II students will continue to apply theory and applications of computer programs that provide the automatic generation of CNC machine tool codes from the entry of part geometry. Students will learn to operate designs and run tool paths for CNC machines in 2.5D. Students will design and create projects that replicate real-world scenarios and applications in the industry.			

COMPUTER AIDED DRAFTING/COMPUTER AIDED MANUFACTURING III

Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Construction, Architecture, and Drafting		Prerequisite: Computer Aided Drafting/Computer Aided Manufacturing II	
CTE Course Level: Completer			
Certifications/Common Assessments: Basic Safety/NCCER and SkillsUSA			
Course Description: In Computer Aided Drafting/Computer Aided Manufacturing III students will continue to apply advanced theory and applications of computer programs that provide the automatic generation of CNC machine tool codes from the entry of part geometry. Students will learn to operate designs and run tool paths for CNC machines in 2.5D. Students will design and create projects that replicate real-world scenarios and applications in the industry.			

CONSTRUCTION I

Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Construction		Prerequisite: None	
CTE Course Level: Foundation			
Certifications/Common Assessments: SkillsUSA, Core-Basic Safety-Module 00104-04, or 09 OSHA-10 hour General Industry Safety and Health Course			
Course Description: This beginning level construction class is designed to teach students the basic information and techniques that apply to the building trades industry. Students will learn safe equipment use and processes.			

CONSTRUCTION II

Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Construction		Prerequisite: Construction I	
CTE Course Level: Concentrator			
Certifications/Common Assessments: SkillsUSA, Core-Basic Safety-Module 00104-04, or 09 OSHA-10 hour General Industry Safety and Health Course			
Course Description: Construction II is designed to provide students the opportunity to build on the skills learned in Construction I, while at the same time learning advanced construction techniques and processes.			

CONSTRUCTION III			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Construction		Prerequisite: Construction II	
CTE Course Level: Completer			
Certifications/Common Assessments: SkillsUSA			
Course Description: Construction III is designed to provide students the opportunity to build on the skills learned in Construction II, while at the same time learning advanced construction techniques and processes. Advanced students will be given opportunities to oversee and manage group work projects.			

WELDING I			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Construction		Prerequisite: None	
CTE Course Level: Foundation			
Certifications/Common Assessments: NCCER			
Course Description: Welding I will give the student a beginning level of exposure to oxy-acetylene welding, Gas Metal Arc Welding, Shielded Metal Arc Welding and cutting operations, grinding operations. At the end of this course students will be basic in flat, butt, fillet, lap and outside corner. Safe equipment use and processes will be covered.			

WELDING II			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Construction		Prerequisite: Welding I	
CTE Course Level: Concentrator			
Certifications/Common Assessments: NCCER			
Course Description: Welding II is designed to give students an in depth study in advanced arc welding processes. Metallurgy properties and gas shielded welding techniques will be taught. At the end of this course students will be able to perform 1G, 2G, 3G, 4G, 1F, 2F, 3F and 4F operations using deep-penetration and low-hydrogen based rod. Safe equipment use and processes will be covered.			

WELDING III

Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Construction		Prerequisite: Welding II	
CTE Course Level: Completer			
Certifications/Common Assessments: NCCER			
Course Description: Welding III will emphasize Shielded Metal Arc Welding and give the student a beginning level of exposure to aluminum welding operations and introduction to project fabrication. Students will mentor and supervise the demonstration of inexperienced/beginning welding students. The NCCER "Basic Safety" Core will be taught in this class. Safe equipment use and processes will be covered.			

WELDING IV

Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Construction		Prerequisite: Welding III	
CTE Course Level: Completer			
Certifications/Common Assessments: NCCER			
Course Description: Welding IV will give the student a beginning level of exposure to Gas Tungsten Arc Welding, and out of position welding for Shielded Metal Arc Welding and Gas Metal Arc Welding processes. A novice level of exposure to aluminum welding operations and project fabrication. Students will mentor and supervise the demonstration of inexperienced/beginning welding students. At the end of this course students will be basic in out of position, butt, fillet, lap, and outside corner. Safe equipment use and processes will be covered.			

Engineering

PRINCIPALS OF ENGINEERING

Grade: 10-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Engineering		Prerequisite: None	
CTE Course Level: Foundation			
Certifications/Common Assessments: PLTW End of Course Assessment			
Course Description: In Principals of Engineering students will explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation, through problems that engage and challenge. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.			

DIGITAL ELECTRONICS			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Engineering		Prerequisite: None	
CTE Course Level: Foundation			
Certifications/Common Assessments:			
Course Description: Digital Electronics provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices.			

ROBOTICS I			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Engineering		Prerequisite: None	
CTE Course Level: Foundation			
Certifications/Common Assessments: Lab projects			
Course Description: In Robotics I students will explore engineering design and applications through a hands-on approach of building and programming robots using a variety of different building platforms. Student outcomes will include a history of robotics technology in society, a working knowledge and practical application of the engineering design process, principles in momentum, velocity, and torque, beginner to advanced programming, and an introduction to 3D CAD drawing software. Students will be challenged to solve real world problems using technology.			

ROBOTICS II			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Engineering		Prerequisite: Robotics I	
CTE Course Level: Completer			
Certifications/Common Assessments: Lab projects			
Course Description: In Robotics II students will explore engineering design and applications through a hands-on approach of building and programming robots using a variety of different building platforms. Student outcomes will include a history of robotics technology in society, a working knowledge and practical application of the engineering design process, principles in momentum, velocity, and torque, beginner to advanced programming, and an introduction to 3D CAD drawing software. Students will be challenged to solve real world problems using technology.			

Health Science

MEDICAL TERMINOLOGY			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Health Science		Prerequisite: None	
CTE Course Level: Foundation			
Certifications/Common Assessments: Quizzes, Presentations, and Lab projects			
Course Description: Medical Terminology is designed to prepare students who have interest in careers in health care or medicine. This course features complete content from The Language of Medicine, 9th Edition, by Davi-Ellen Chabner. The courseware presents medical terminology through a combination of anatomy and physiology, word building principles, and phonetic “sound like” pronunciations. Content is organized according to body systems, one module per system. Interactive review games and links to related content give further information and study guidance. A local instructor is available to provide assistance as needed. This course is an excellent first step for students interested in being doctors, nurses, medical assistants, medical technicians, or medical office workers.			

INTRODUCTION TO PHARMACY			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Health Science		Prerequisite: None	
CTE Course Level: Foundation			
Certifications/Common Assessments: Quizzes and Presentations			
Course Description: This Introduction to Pharmacy course provides students an overview of the technician’s role in various pharmacy settings. This course emphasizes the history of pharmacy, pharmacy law and ethics, pharmacy terminology, symbols and dosage forms and 100 often prescribed drugs. Students with an interest in becoming a certified nursing assistant, medical assistant, medical, pharmacy, or dental technician, nurse, dentist, physician or pharmacist will find this course beneficial.			

Hospitality and Tourism

CULINARY ARTS I			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Hospitality and Tourism		Prerequisite: Nutrition of Foods	
CTE Course Level: Concentrator			
Certifications/Common Assessments: Anchorage Food Handler’s Card District Created Evaluation Rubrics			
Course Description: Culinary Arts I is a course designed for students interested in a career in the food industry. At the end of the course the student should be able to provide quality work within a commercial kitchen. The student will continue to apply the concepts learned in Nutrition of Foods and build upon the foundations of nutrition, food safety, safe equipment use, measurements, recipe use, and cooking methods and techniques.			

CULINARY ARTS II			
Grade: 10-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Hospitality and Tourism		Prerequisite: Culinary Arts I	
CTE Course Level: Completer			
Certifications/Common Assessments: ProStart National Certificate of Achievement District Created Lab Evaluation Rubric District Created Portfolio Rubric			
Course Description: Culinary Arts II is the capstone course for students interested in a career in the food industry. At the end of the course the student should be able to demonstrate proficiency and quality work within a professional kitchen. The student will continue to apply the concepts learned in Culinary I and build upon the foundations of nutrition, food safety, safe equipment use, measurements, recipe use, and cooking methods and techniques. An additional focus of this class will be for the student to create a portfolio for them to use in their culinary career.			

NUTRITION OF FOODS I			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Hospitality and Tourism		Prerequisite: None	
CTE Course Level: Foundation			
Certifications/Common Assessments: Alaska Food Handler's Card District Created Nutrition Assessment			
Course Description: Nutrition of Foods I is an introductory course including an in-depth investigation of nutrition and wellness, food science, dietetics, and simple food preparation techniques. This course also includes an introduction to safe food handling techniques, using kitchen equipment safely, kitchen measurements, and how to read a recipe.			

NUTRITION OF FOODS II			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Hospitality and Tourism		Prerequisite: Nutrition of Foods I	
CTE Course Level: Concentrator			
Certifications/Common Assessments: Alaska Food Handler's Card District Created Nutrition Assessment			
Course Description: Nutrition of Foods II is an in-depth investigation of nutrition and wellness, food science, dietetics, and simple food preparation techniques. This course also includes an introduction to safe food handling techniques, using kitchen equipment safely, kitchen measurements, and how to read a recipe.			

Human Services

EARLY CHILDHOOD EDUCATION I			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Human Services		Prerequisite: None	
CTE Course Level: Foundation			
Certifications/Common Assessments: Alaska Food Handler's Card District Created Nutrition Assessment			
Course Description: Early Childhood Education I presents a survey of historical, social, and philosophical foundations of the field of early childhood and examines personal readiness in regard to working with children. Core topics include physical, cognitive, social, and emotional development of children from preconception to age 4; ethics; developmentally appropriate practices; and parenting skills. During this course, students will be exposed to life situations already encountered and dealt with by others. They will learn from a wide variety of situations. These include simulation and interaction with local experts in this field.			

EARLY CHILDHOOD EDUCATION II			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Human Services		Prerequisite: Early Childhood Education I	
CTE Course Level: Completer			
Certifications/Common Assessments: Alaska Food Handler's Card District Created Nutrition Assessment			
Course Description: In Early Childhood Education II, students will learn how to provide a safe, healthy, and nurturing environment for children as they develop through various stages. Core topics include planning activities, schedules, and spaces of early education facilities; designing developmentally appropriate activities for children. This course focuses on identifying skills that are necessary for qualified childcare professionals. Field trips and working directly with children are an integral part of this course.			

INTRODUCTION TO CRIMINAL JUSTICE			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Human Services		Prerequisite: None	
CTE Course Level: Foundation			
Certifications/Common Assessments: Criminal Justice/CSI-M			
Course Description: This course provides students a comprehensive and exciting opportunity to explore employment opportunities in the criminal justice system. With the assistance of guest speakers from local, state, and federal agencies, employment opportunities are brought to life for students. Various field trips bring a reality to the criminal justice system not matched, even at the college level. This class would be appropriate for students interested in careers in law enforcement, legal services, public service, or military service.			

Natural Resources

MARINE TECHNOLOGY			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Natural Resources		Prerequisite: None	
CTE Course Level: Foundation			
Certifications/Common Assessments: CPR, First Aid, AED, and Alaska Marine Safety Drill Conductors Card			
Course Description: This course is designed to provide students with an understanding of maritime occupations. Students will learn basics about boat construction, nautical nomenclature, safety and legal requirements, navigational rules, aids to navigation, piloting, seamanship, effects of weather, and fishing techniques.			

Transportation

AUTOMOTIVE I			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Transportation		Prerequisite: None	
CTE Course Level: Foundation			
Certifications/Common Assessments: SkillsUSA and ASE certification			
Course Description: Automotive I develops skills in troubleshooting, maintenance, and light duty repair of the brakes, steering and suspension, and the electrical/electronic systems of automobiles. This course is designed to teach the student skills necessary for future employment in the automotive field. Instruction includes career exploration, SkillsUSA, and industry visits. A student successful in this course will be able to use technical skills learned in this course to help qualify for nationally recognized ASE (Automotive Service Excellence) certification.			

AUTOMOTIVE II			
Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Transportation		Prerequisite: Automotive I	
CTE Course Level: Concentrator			
Certifications/Common Assessments: SkillsUSA, ASE Certification, and NATEF			
Course Description: Automotive II provides in depth training to the student in troubleshooting, maintaining, and repair of advanced automotive electrical/electronic and engine performance of automobiles. This course is designed to teach the student advanced skills necessary for future employment in the automotive field. Instruction includes career exploration, SkillsUSA, and industry visits. A student successful in this course will be able to use technical skills learned in this course to help qualify for nationally recognized ASE (Automotive Service Excellence) certification.			

AUTOMOTIVE III

Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Transportation		Prerequisite: Automotive II	
CTE Course Level: Completer			
Certifications/Common Assessments: SkillsUSA, ASE Certification, and NATEF			
Course Description: Automotive Service Technician 3 covers training in the diagnosis, repair, and maintenance of braking systems, steering and suspension systems of automobiles. This course is designed to teach the student advanced skills necessary for future employment in the automotive field. Instruction includes career exploration, SkillsUSA and industry visits. A student successful in this course will be able to use technical skills learned in this course to help qualify for nationally recognized ASE (Automotive Service Excellence) certification.			

SMALL ENGINES/POWER MECHANICS I

Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Transportation		Prerequisite: None	
CTE Course Level: Foundation			
Certifications/Common Assessments: SkillsUSA			
Course Description: This course is designed to provide students with fundamental skills necessary to understand basic engine functions and modern shop practices and procedures for small engine repair and maintenance. Students will be taught shop safety and proper use of tools.			

SMALL ENGINES/POWER MECHANICS II

Grade: 9-12	Length: 1 Semester	Credit: .5	Fee: Required
Pathway: Transportation		Prerequisite: Small Engines/Power Mechanics I	
CTE Course Level: Completer			
Certifications/Common Assessments: SkillsUSA			
Course Description: This course is designed to provide students with basic knowledge of starting and charging systems, fuel and exhaust systems, cooling systems, braking systems, and the ability to use diagnostic skills in the use of equipment associated with small engines.			