



**Great Plains Technology Center**  
**Career Major Descriptions**  
**Lawton Campus**

**Architecture & Construction Cluster**



***Frame Carpenter (1050 Hours Adult; 1050 Hours High School)***

This career major will explore blueprint and plan reading and delineate the role of building design, building site planning, and site preparation as it relates to the actual construction of a house. In addition, the student will gain a working knowledge of selected hand and power tools as they relate to construction oriented projects. This will include use of all applicable tools and materials required in the construction of a house. All aspects of job site and workplace safety related to residential construction will be examined through lecture, video, and hands-on practicum.



***Lead Carpenter (2370 Hours Adult)***

This career major will provide a “hands-on” experience in the management aspects of the Carpentry Trades and delineate the role of a project leader or lead carpenter in planning and managing a construction site during the layout through framing phases of a residential home. Requirements include work scheduling, the preparation and solicitation of material lists to building suppliers, selection for building supplies, and scheduling for delivery and availability of materials. Students will also provide remedial instruction/assistance to first-year students experiencing difficulty with learning objectives outlined in the Frame Carpenter Major. This course will include rotational and team leader assignments within the student-built house project.




***Residential Electrician’s Assistant (1050 Hours Adult; 1050 High School)***

This career major is a foundational study in the design, in the selection of equipment and in the methods used in the installation of electrical systems in residential buildings. This comprehensive training combines classroom theory and hands-on learning in tools, equipment, electrical safety, blueprint reading and specifications, series circuits, parallel circuits and the basics of residential electrical wiring. This career major prepares students to sit for the Oklahoma Journeyman Electrician test.



***Commercial Electrician’s Assistant (2370 Hours Adult)***

This career major prepares students for entry into the residential/commercial and industrial wiring fields. Students will learn the skills necessary to work as an apprentice, residential electrician’s assistant, commercial/industrial electrician’s assistant, industrial maintenance electrician, or electrical equipment technician. This comprehensive training combines classroom theory and hands-on learning in tools, equipment, electrical safety, blueprint reading and specifications, series circuits, parallel circuits, the basics of residential and commercial wiring, conduit bending, etc. This career major prepares students to sit for the Oklahoma Journeyman Electrician test.





### ***Residential HVAC Technician (1050 Hours Adult; 1050 Hours High School)***

In this career major, students will learn and apply the foundational theories of air conditioning and refrigeration systems, mechanisms of the control systems and the installation, maintenance and repair of the components. Students have laboratory experience in the servicing of residential air conditioning systems and will earn one of the three years required to sit for the journeyman's license.



### ***Commercial HVAC Technician (2370 Hours Adult)***

The Commercial HVAC Technician career major provides a balance of theory and application in keeping with the philosophy of Great Plains Technology Center. This includes a solid foundation of the principles of heating, ventilation, air conditioning and refrigeration combined with extensive laboratory experience. Students will learn to test, to systematically troubleshoot, to repair and to maintain electrical and mechanical HVAC systems and components. Students will also receive training in designing, building and installing sheet metal duct work systems. This career major can be substituted for up to two years of the three years required in the apprenticeship for the Mechanical Journeyman's License.

## ***Arts, A/V Technology & Communications Cluster***



### ***Printing Design Technician (1050 Hours Adult; 1050 Hours High School)***

This career major introduces students to the arts, A/V technology and communication field through the use of graphic design, illustration and production using a variety of industry mediums. Students receive a working knowledge of the skills and techniques used in the graphic arts and printing industry. Instruction in this career major will include the fundamentals of layout and design, paste up, composition, proofreading, stripping, press operation, process camera, platemaking, desktop publishing, binding, copy machine operation, reproduction, and graphic arts photography.

## ***Business, Management and Administration Cluster***



### ***Medical Insurance Coder (1050 Hours Adult; 1050 Hours High School)***

This career major is designed to train students to become proficient in medical office procedures, medical terminology, and general office administration as related to the business operations of medical facilities. This career major covers several areas of instruction which will include computer applications, Internet navigation, basic office skills, medical terminology, patient billing, medical insurance, and ICD9-CPT coding. Students will participate in an internship during the fourth quarter where they will have exposure to the actual workplace. Areas of employment include local physician offices, hospitals, dental clinics, veterinary clinics, or any type of business office. Job placement is currently 95% largely due to the opportunities that arise from the internships.



### ***Medical Transcriptionist (1050 Hours Adult; 1050 Hours High School)***

In this career major, students learn the necessary skills for entry-level employment in physicians' offices, clinics, home health care offices, hospitals, insurance companies and medical records departments. A Medical Transcriptionist interprets and transcribes dictation by physicians and other healthcare professionals regarding patient assessment work-up, therapeutic procedures, clinical course, diagnosis, prognosis, etc., in order to document patient care and to facilitate delivery of healthcare services. The student will become proficient in transcribing medical reports using correct spelling and definitions of medical terms and using terms correctly in a medical context. Students will also become familiar with medical laws and ethics.



### ***Office Information Specialist (1050 Hours Adult; 1050 Hours High School)***

In this career major students gain the technical and managerial skills needed for success in competitive business careers. They learn to integrate multiple software applications used in office settings. In addition, students acquire graphic web and digital communications skills. Students learn a variety of software packages used in desktop publishing and web design and develop the fundamental skills needed to create, revise, optimize and export graphics. Students gain skills required for numerous industry-related certifications including Adobe and Certified Internet Webmaster (CIW) credentials.

## ***Finance Cluster***



### ***Payroll Accounting Clerk (1050 Hours Adult; 1050 Hours High School)***

This career major is designed to provide students who want to earn a living as an employee in the financial services area with the occupational skills and knowledge essential to initial employment. Students will become skilled in accounting practices and office management, as well as developing computer skills.

## ***Education and Training Cluster***

### ***Pre-Education (600 Hours Adult; 600 Hours High School)***

The Pre-Education major focuses on the various careers within the educational system. This career major emphasizes career skills to become a successful teacher/educator. Students will become familiar with the current issues within the classroom such as communication, technology, teaching methods, problem-solving skills and management of the learning environment. Students will have the opportunity to gain teaching experience through field experience.



## **Health Science Cluster**



### ***Advanced Respiratory Therapist (1945 Hours Adult)***

This career major is designed to prepare students for employment as a Respiratory Therapist. Respiratory Therapists work in a wide variety of clinical settings to evaluate, treat, and manage patients of all ages with respiratory illnesses and other cardiopulmonary disorders. This major is part of an advance standing agreement with Cameron University. Cameron University will offer general education, technical support, and related programs (33 credit hours) and Great Plains Technology Center will provide specialty programs in respiratory care (32 credit hours). Upon successful completion of both components the student will be awarded an Associate Degree in Respiratory Care by Cameron University. Successful degree candidates will be eligible to sit for the National Board for Respiratory Care exam to become a Certified Respiratory Therapist and a Registered Respiratory Therapist.

### ***Chiropractic Assistant (555 Hours High School)***

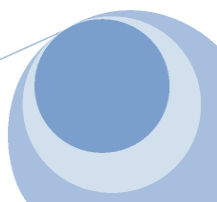
This career major is an introduction to the health care field and chiropractic profession. Topics of instruction will include Medical Terminology, First Aid, CPR, Anatomy and Physiology; billing and coding, history, philosophy, and vocabulary of the chiropractic profession; and an understanding of ethical issues as it relates to insurance, collections, and chiropractic office management. Students will also have hands on experience in a chiropractic office setting.

### ***Electrocardiograph Technician (525 Hours High School)***

This EKG Technician major prepares the student to perform routine electrocardiograms. These readings assist the physician to diagnose irregularities or changes in the patient's heart. These courses will train students to recognize normal and abnormal rhythms, document rhythm strips to provide reliable test results for the physician's interpretation, and operate the electrocardiograph machine. EKG Technicians may be employed in hospitals, emergency care clinics or physicians offices. They may also function as entry level monitor technicians.

### ***Home Health Care Nursing Assistant (16 Hours High School)***

Nursing assistants make valuable contributions in providing health care. Nursing assistants are trained to care for people who are ill or need help in caring for themselves. The care given is always under the guidance and supervision of licensed health care providers such as nurses or physicians. The competencies needed to successfully complete the objectives for this course are identified from the skill standards produced by the Oklahoma Department of Career and Technology Education's Testing Division for the Health Certification Project of the Oklahoma State Department of Health using the DACUM process. Students may exit from the course after obtaining Long Term Care Aide certification, or may remain for the entire course and test for Home Health Care Aide.





### ***Licensed Practical Nurse (1463 Hours Adult)***

Core medical terminology, anatomy and physiology as well as long term care assistant are included in this career major. This career major prepares the student to become a licensed practical nurse, an important member of the health care team who works under the supervision or direction of a registered nurse, licensed physician or dentist. Students will learn the role of the LPN and how to care for a variety of patients including geriatric, pediatric, oncology, and pre/post operative patients. Students will learn how to identify patient problems, identify appropriate interventions and evaluate nursing care. Graduates of this career major will be eligible take the National Council Licensing Examination for Practical Nurses (NCLEX-PN) and become licensed through the Oklahoma Board of Nursing.

### ***Long Term Care/Home Health Care Assistant (150 Hours Adult)***

This major is designed to provide students with an introduction to the health field and to teach them the technical skills normally performed by health assistants. Each technical and theory unit has specific objectives pertaining to health. This major coordinates the study of theory and lab skills dealing with body functions and structures.

### ***Nursing Assistant (525 Hours High School)***

This career major is designed to provide students with an introduction to health care and to teach them technical skills normally performed by health assistants. Each technical and theory unit has specific objectives pertaining to the health field. The career exploration phase is coordinated with the study of technical skills, body structures and functions.

### ***Occupational Therapy Aide (555 Hours High School)***

Occupational Therapy Aides work under the direction of Occupational Therapists (OT) or Occupational Therapy Assistants (OTA) to provide rehabilitative services to persons with mental, physical, emotional, or developmental impairments. The ultimate goal is to improve clients' quality of life and ability to perform daily activities. Aides assist the OT or OTA in demonstrating a variety of therapy techniques to patients, such as manual and creative arts, games, and daily living activities. Occupational Therapist Aides typically prepare materials and assemble equipment used during treatment. They are responsible for a range of clerical tasks, including scheduling appointments, answering the telephone, restocking or ordering depleted supplies, and filling out insurance forms or other paperwork.

### ***Phlebotomist (600 Hours High School)***

This career major prepares the student to obtain blood specimens for laboratory testing. Graduates from this career major will be prepared for an entry level position as a phlebotomist. Students will participate in an externship which is designed to provide hands-on experience in a clinical setting at a physician's office or laboratory setting.



### ***Physical Therapy Aide (600 Hours High School)***

Physical Therapy Aides are skilled health care workers who help Physical Therapists or Physical Therapy Assistants when a patient is receiving treatment. Physical Therapy Aides prepare patients by helping them dress and by putting on/off supports and other devices use during treatment. Routine treatments are carried out by aides such as applying hot/cold packs, giving water treatments and paraffin baths to, keeping track of the patient's condition during treatment and reporting problems. Aides transport patients using proper techniques according to the patient's condition. Aides change bed linen, keep treatment supplies in order, clean treatment areas, and sterilize or disinfect equipment and instruments. Aides also have clerical duties which include ordering supplies, filing medical records, and delivering messages.



### ***Radiologic Technology (3000 Hours Adult)***

Radiologic Technologists (Radiographer) work under the supervision of physicians, who are primarily Radiologists, operating radiologic equipment to produce radiographs of the body for diagnostic purposes. Various duties of students will include moving the radiology equipment into the specified positions and with proper training, adjusting the equipment control to set exposure techniques and factors based on cognitive and psychomotor skill obtained. Students will also gain limited knowledge and skills in specialty areas such as computed tomography, bone densitometry, mammography, magnetic resonance imaging, nuclear medicine, special procedures, and ultrasound and radiation oncology. This career major prepares students to sit for a National Certification exam given by the American Registry of Radiologic Technologists.

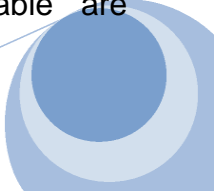


### ***Surgical Technologist (1185 Hours Adult)***

The Surgical Technologist Major is designed to prepare post-secondary adult students for entry-level employment as Surgical Technologists. The career major is structured to provide the students with a foundation in the basic sciences and subjects unique to the operating room. Upon completing the major, the Graduate Surgical Technologist will be able to function as a member of the surgical team delivering direct patient care before, during, and after surgical intervention. The instructional content is based on an occupational analysis of the surgical technology field, and is adjusted to reflect local employment - local employment needs as determined by the instructor, administrators, and advisory committee. Upon successful completion of the career major, the Graduate will be eligible to sit for the National Certification Examination. The career major closely follows the guidelines of the Accreditation Review Committee on Education in Surgical Technology and the Commission on Accreditation of Allied Health Education Programs.

### ***Veterinary Assistant (600 Hours High School)***

Veterinary Assisting is a rewarding career in a growing field. As a Veterinary Assistant you can work with animals and be a part of a professional veterinary staff. Within this career major, students will learn about the care of animals as well as how to recognize signs of illness and disease. These courses cover interpersonal communication, interaction with clients and their animals, as well as, how to assist the veterinarian during examinations. Administrative duties, such as fee collection, banking, and accounts payable are emphasized, and the career major contains basic information about pet insurance.





## ***Hospitality & Tourism Cluster***



### ***Culinary Arts Management Assistant (1050 Hours Adult; 1050 Hours High School)***

This career major offers classroom instruction related to subject areas such as nutrition, culinary basic, advanced skills and management. Students will receive hands-on training in the Food Service Laboratory which will provide experience in food sanitation, food preparation and food service. Students will also demonstrate proper personal hygiene, sanitation, communication, and interpersonal skills.



### ***Culinary Coordinator (1050 Hours Adult; 1050 Hours High School)***

In this career major, students will learn the necessities in order to succeed as a Culinary Coordinator. Students will learn good nutrition as it applies to planning menus and to operating a restaurant. Food service management is also a major component of this career major as students will gain experience in managing an internal kitchen classroom team. Students will also participate in work-based learning experiences in a live work setting. (Prerequisite: Culinary Arts Management Assistant career major)

### ***Hospitality Service Assistant (1050 Hours Adult; 1050 Hours High School)***

This career major is designed to provide each student with the information, skills, practices, and attitudes necessary for his or her successful entry into the work force in the field of Hospitality and Tourism.

### ***Lodging Management Worker (270 Hours Adult; 270 Hours High School)***


This major prepares students as lodging management workers who organize and simplify many guest services like making reservations, assigning guest rooms and conference rooms, and calculating bills. Students receive an introduction to family and consumer science along with an overview of the travel and tourism industry, including hospitality positions, food service, front office and reservation and housekeeping. Curriculum includes an emphasis on guest service and professionalism as well as a job shadowing component.

### ***Service Careers Housekeeping Assist. (255 Hours Adult; 255 Hours High School)***

This major introduces students enrolled in the Service Careers majors to entry level jobs in the housekeeping industry where they will clean and maintain living areas such as hotel/motel rooms, private residences, and retirement facilities. Included are safe practices, use of tools and equipment, and safe handling of chemicals related to the housekeeping industry along with life skills and employability skills. Students receive job training in housekeeping skills such as vacuuming, dusting and changing bedding, and sanitizing rooms and furniture.

### ***Housekeeping Workforce Transition (555 Hours Adult; 555 Hours High School)***

This major will be used for all Individualized Cooperative Education (ICE) programs to build their training outline. Students will focus on employability skills while receiving hands-on experience in the housekeeping industry. Included is a work-site experience (WSE) where students develop proficiency skills unique to their given occupation along with a formal mentoring program designed to accelerate an individual student's skill development.





## Information Technology Cluster



### ***3D Animator (1050 Hours Adult; 1050 Hours High School)***

This career major will provide the student with knowledge and skills necessary for success in game design, 3D modeling, and 3D animation. Students will acquire specific skills to design, to create, and to implement basic computer games and 3D animation. Students gain skills required for Adobe Certified Expert, Adobe Certified Associate, and/or Autodesk industry certifications.



### ***Enterprise Network Professional (1300 Hours Adult)***

This career major is designed to train Microcomputer Hardware/Software/Network Technicians. Hardware diagnostics and repair are presented at the component level. System and application software installation, configuration, and use are covered in detail through the Cisco sponsored IT Essentials 1 curriculum. Network installation, administration and maintenance covers most common networking systems, including the full Cisco Systems Networking Academy (CCNA) and Cisco sponsored Panduit Network Infrastructure Essentials, which leads to the Panduit Authorized Installer (PAI) certification. Essential basic skills such as math and writing are also incorporated.



### ***Multimedia Assistant (1050 Hours Adult; 1050 Hours High School)***

This career major introduces students to the fundamentals of multimedia production. In a hands-on class, students will learn aspects of planning, creating, and managing multimedia projects in an integrated computer environment. Students will add visual imagery, text, graphics, video, audio, and animation to create multi-sensory projects throughout the career major. This major uses Microsoft Office and Adobe Master Collection CS3. In addition to learning the software, this major also covers design principles and strategies, storyboarding, presentation skills, HTML and Cascading Style Sheets, scanning, use of digital cameras, and video editing.



### ***Network Security Specialist (1050 Hours Adult; 1050 Hours High School)***

This career major is designed to train students to become a Network Security Specialist. This major offers preparation for the SCNP, SCNA and the MCITP certifications as well as first and second semester training for Cisco. Students will learn to administer and to provide technical support for Windows Vista, Windows 2008 Server, and Secure Network Infrastructures by use of techniques and tools utilized to compromise networks, and then to defend against network attacks. Use of security devices such as biometrics, iris scanning, and voice recognition will be used to protect local computers and corporate networks. Laws and legislation will be taught along with Federal Laws governing the use and implementation of these techniques. The major will prepare students to take one or more of the following certifications: Career-Tech Cyber Security Completion Certificate, NSTISSI 4011: Information System Security Professional, NSTISSI 4012: Designated Approving Authority, NSTISSI 4013: System Administration in Information Systems.





### ***PC Support Technician (525 Hours High School)***



In this career major students will demonstrate knowledge and problem-solving skills in the area of computer installation, evaluations, troubleshooting and upgrades of computer hardware. This would include, but not be limited to, storage, drives, system boards, processors, memory, peripherals, and networks. Emphasis will be placed on hardware devices and network systems as well as communication devices. Students in this major gain the technical skills required for CompTIA A+ industry certification.

### ***Video Editor (1050 Hours Adult; 1050 Hours High School)***

The goal of this career major is to focus on the foundational skills necessary to be successful in the field of Video Editor. Students will apply media aesthetic principles to visual media and will learn how to utilize digital imaging and manipulation technologies and software. Students, through individual projects, will apply narrative and media aesthetic principles in the production of a series of structured digital projects.

## ***Law, Public Safety, Corrections & Security***



### ***Basic EMT Firefighter (605 Hours Adult; 605 Hours High School)***



This career major will prepare students to sit for the National Registry Examination for Emergency Medical Technician I (Basic) which will qualify them as a Level I Firefighter. A 40-hour clinical experience will be included with the EMT curriculum. Students will complete certified curriculum and work-based conditioning to prepare for both the academic and physical requirements of both occupations. A firefighting practicum of 80 hours will be included as a work-based learning experience.



### ***Criminal Justice Officer (1050 Hours Adult; 1050 Hours High School)***



This career major will prepare students to enter the law enforcement profession as a qualified candidate. Students enrolled in the Criminal Justice career major will receive training that meets or exceeds CLEET standards. Students enrolled in the Criminal Justice career major must complete an 80 hour ride-a-long internship with the Lawton Police Department, Lawton Police Dispatch, US Marshall's Office and other agencies as assigned. Students must agree to allow the Great Plains Technology Center to submit their name to the Lawton Police Department and US Marshall's Office for approval to participate in the ride-a-long internship portion of this work-based learning experience.



## **Manufacturing Cluster**



### ***Design Engineer Technician (1050 Hours Adult; 1050 Hours High School)***

This career major is designed for those who wish to pursue careers in the architectural or engineering fields. Students are also prepared to enter at advanced levels into professional degree programs at the university level, in pursuit of becoming registered architects and/or engineers. During these two years of training, students are required to apply the skills or background knowledge to actual problem solving situations. They will be trained in the latest computer aided drafting (CAD) and solid modeling software, Autodesk Inventor, Revit, and AutoCAD. The student will learn to use these programs to create the drawings necessary for prototyping and production, or in the case of buildings, for construction. It is the intent of this career major to expose the student to a broad range of skills and basic data. This broad exposure gives the student the ability to be conversant with and/or to seek employment with all related professions within the architecture or engineering professions.



### ***Structural Welder (1575 Hours Adult; 1050 Hours High School)***

This career major will prepare students for jobs in the metal fabrication industry. Students will obtain entry-level skills in various welding processes. This career major is designed to teach skills needed to pass the Oklahoma Department of Labor Certification Test for Welders, and most major companies' code tests. Welding practice is done on structural steel, plate, and pipe. Ferrous and non-ferrous metals are welded with some processes. Blueprint reading for welders, simple layout, and fabrication are also part of the curriculum. Instruction in the various welding processes includes: oxy-fuel cutting, shielded metal arc welding, plate and pipe welding, gas metal arc welding and gas tungsten arc welding, math for welders, as well as safety and the proper use of tools. Students will learn the skills necessary to gain employment in the industrial, construction, or manufacturing fields.

## **Science, Technology, Engineering and Mathematics Cluster**

### ***Biomedical Science and Medicine (1050 Hours High School)***

Students in this major will study biomedical science through the exciting Project-Lead-the-Way curriculum that will provide students hand on projects and experiences. Topics will include bio-informatics, human medicine, and an in depth study of the human body. Students will also study advanced math courses that include Pre-AP Algebra II, Pre-AP Trigonometry/Pre-Calculus and an AP math course as well as advanced science courses that include Anatomy and Physiology, Microbiology, Pre-AP Chemistry and AP Chemistry. Students who complete this major will have been exposed to a diverse curriculum that will better equip them to choose a major at the college/university level. Students will also have the strong math and science foundation needed to be prepared to enter a college/university program in a science related field.



### ***Pre-Engineering Aerospace (1050 Hours High School)***

Students in this major will study pre-engineering through Project-Lead-the-Way curriculum that will introduce them to the concepts and principles of engineering and there will be a strong emphasis on developing problem solving skills. They will learn how engineers use math, science and technology to solve problems. Students in this major will also complete a course on aerospace engineering in which the students will study astronautics, space-life sciences, and systems engineering (which includes the study of intelligent vehicles like the Mars rovers Spirit and Opportunity) and complete projects developed with NASA. Students will also complete advanced math and science courses, including physics and calculus, which will prepare them to advance to the college or university level.



### ***Pre-Engineering Civil and Architecture (1050 Hours High School)***

Students in this career major will study pre-engineering through Project-Lead-the-Way curriculum that will introduce them to the concepts and principles of engineering and there will be a strong emphasis on developing problem solving skills. They will learn how engineers use math, science and technology to solve problems. Students in this major will also complete a course that will focus on civil and architecture engineering that will focus on project planning, site planning, and building design. Students will also complete advanced math and science courses, including physics and calculus, which will prepare them to advance to the college or university level.



### ***Pre-Engineering Mechanical (1050 Hours High School)***

Students in this major will study pre-engineering through Project-Lead-the-Way curriculum that will introduce them to the concepts and principles of engineering and there will be a strong emphasis on developing problem solving skills. They will learn how engineers use math, science and technology to solve problems. Students in this major will also complete a course on computer integrated manufacturing which will focus on the fundamental concepts of robotics used in automated manufacturing and design analysis. Students will also complete advanced math and science courses, including physics and calculus, which will prepare them to advance to the college or university level.



## ***Transportation, Distribution & Logistics Cluster***



### ***Automotive Service Technician (1050 Hours Adult; 1050 Hours High School)***

Students in this major will cover the skills necessary to become an entry-level technician. Students will concentrate on courses in introduction, brakes, steering & suspension, electrical electronics and engine performance. They will learn how to diagnose and complete brake service, perform vehicle steering and suspension alignment, as well as electrical theory, electrical/ electronic diagnostics. Students will cover engine performance diagnostics and techniques for repair using a variety of diagnostic equipment. This career major includes course work on how to evacuate and recharge air-conditioning systems using the proper refrigerant and basic diagnostics of the heat and A/C system. The hours completed in this major are aligned with ASE/NATEF standards, and ASE certification is recommended and industry recognized.



### ***Combination Collision Repair Technician (1050 Hours Adult; 1050 Hours High School)***

Students in this major will learn how to complete non-structural collision repair and automotive refinishing. The courses that will be covered include non-structural damage analysis and minor dent repair, plastics repair, all aspects painting and refinishing. Students will also learn how to use various tools in repairing damage and to remove and install handles, moldings, trim, and bolted body parts. In addition, the student will learn to MIG weld industry standard joints following I-CAR standards. This career major also includes painting preparation, sanding processes, color matching and adjusting color, removing and installing glass, and the process of written estimates. Students will learn about handling, storage and disposal of hazardous materials and selecting proper personal protective equipment and maintenance. The hours completed in this major are aligned with ASE/NATEF standards, and ASE certification is recommended and industry recognized.



### ***Medium Heavy Diesel Truck Service & Light Repair Technician (1050 Hours Adult; 1050 Hours High School)***

This career major is designed to provide students with the basic theory and hands-on experience to enter the trucking industry as an apprentice in one or more of the ASE certification areas covered within the career major. The certification areas covered in the career major are: Diesel Engines, Electrical/Electronic Systems, Brake Systems, Preventive Maintenance, Suspension & Steering, Introduction to Mechanics and Heating, Ventilation & Air Conditioning. The instructional format used in this training presents complex mechanical activities in simple logical sequence. Instruction focuses on the basic theories of operation, service, and repair of medium/heavy trucks with a major emphasis on preventive maintenance and hands-on activities.