

**MECHANICAL ARCHITECTURE, ENGINEERING & DESIGN** Drafting is a graphic language used by industry to communicate ideas and plans from the design/create state through production. Drafters plan, prepare and interpret drawings and sketches. Materials, equipment and tools common to the Engineering, Architectural, and Graphic Design careers are used to teach skills. Students are introduced to the design world by learning a 3D Cad system that will allow them to create and model parts and assemblies. They will learn to use the various CAD systems used in both the Architectural and Engineering fields, and apply them to the real world projects and assignments. Emphasis through out the program will be on safety while in the classroom and in the industrial and construction environment.

**AUTOMOTIVE TECHNOLOGY** The Automotive Service Technology Program offers nationally accredited (NATEF/ASE) training. Individualized instructional plans allow opportunities for students to experience many of the specific areas of certification: brakes and system repair, suspension and alignment, electrical diagnosis and repair, engine operation and repair, drive trains and manual transmission, engine performance as well as heating and air conditioning systems. Training involves classroom instruction as well as hands on experience with our live production service floor. Students will have the option of attaining state or national mechanic certification as well as competing for various scholarships through our very active youth club

**CONSTRUCTION BUILDING TECHNOLOGY.** This program provides the student with the opportunity to develop the manipulative skills, math skills and work habit skills required to be successful in the residential construction. The CBT program curriculum includes but is not limited to rough framing, roofing, siding, drywall hanging and finishing, painting, finish carpentry, cabinetmaking, laminating, wood and tile flooring, masonry, and plumbing. Completers are well prepared for placement on a construction site or to pursue further training at a two or four year college in areas from Residential Construction to Construction Management.

**COSMETOLOGY** This is a 1500-hour program offered to eleventh and twelfth grade students. Adult students return for a seven-hour day to finish the program. The program includes hair shaping, scalp treatments, styling, coloring and texturizing of hair. Students will be trained in facials, hair removal, hygiene, patron protection, customer relations, sales, and salon management. VISIONS, a full service salon that serves as our lab; is managed by the students and open to the public. The curriculum is based on the requirements from the State Board of Cosmetology. Therefore, students are prepared to pass the State Board Test and earn the State Board of Cosmetology License. Once licensed, the student will have the opportunity to work in a salon or continue their education.

**PROFESSIONS IN EDUCATION** The Professions in Education program provides high school students with the opportunity to work with learners in the community under the direction of teaching professionals while experiencing the field of teaching. It teaches students skills useful for careers as educators as well as community leaders. This program brings together many segments of the community including students of various levels and teachers, as well as other professional's involved in education. The Professions in Education program operates Kid's World Preschool in which the students work directly with children ages three to five years old in a laboratory setting. Students learn age appropriate activities and behaviors for preschool age children. Students earn certification in C.P.R., First Aid, and A.E.D and have the opportunity to receive articulated credits from local colleges and universities giving them a head start on their college success.

**HEALTH SCIENCES** The Health Sciences cluster provides opportunities for students to experience and perfect skills required of today's health care industry. Health care requires a flexible, multi-skilled workforce, capable of performing as a team, being adaptable to frequent change and able to transfer skills to new environments. As a first year student, you will be placed non-paid work experience at a health care facility. In your second year of the program, you will be mentored in an actual health care facility. Second year students will have the opportunity to complete the Certified Nurse Aide Certification as a component of the program. Students learn medical terminology, first aid & basic life support, communication & employability skills, safety systems, infection control, anatomy & physiology, nutrition, teamwork, disease entities, ethics and legal matters.

**HOSPITALITY/FOOD SERVICE** The Hospitality/Food Service curriculum concentrates on skills from entry level to management. They include: table service, cash handling, customer relations, baking, quantity food preparation, short order cookery, sanitation, culinary arts, garde manger and management. Students operate The Snack Shop and a banquet facility at the Technical Center, as well as a restaurant, The Main Street Café. The Hospitality component explores the lodging, travel and tourism industries and offers job specific training in each area. Upon graduation, students are ready for continuing career education or entry-level employment.

**MARKETING** The Marketing Program is a hands-on technology infused course that prepares individuals for occupations in the fast growing fields of Marketing, Management, and Entrepreneurship. Throughout the course, students have the opportunity to explore many careers while sharpening their communication and human relations skills. Marketing students are responsible for running the campus store, The Exchange, where they learn about placing orders, developing promotions, and cashiering, selling, and managing resources. Marketing students have the opportunity to participate in DECA, a cutting-edge organization designed to provide today's students with the

tools to be tomorrow's business leaders through conferences and competitions, and attend several field trips. Individuals in the Marketing Program develop their knowledge, skills, and attitudes necessary to succeed in the workforce and continue their education in college. On-the-job training and articulation are available.

**POWER TECHNOLOGY** This program will help prepare you for a challenging occupation, ranging from a heavy equipment technician, equipment operator to working in the sales field in the truck, off-road equipment or A.T.V. business. Our individualized program enables students to maintain and repair recreational, agricultural and heavy equipment. You will tune up, troubleshoot and overhaul gasoline and diesel engines. You will become familiar with suspensions, power trains, hydraulics, air conditioning and electronics. You will have the option of attaining State Mechanical Certification as well as earning potential articulation credits.

**LAW ENFORCEMENT/PUBLIC SAFETY** - This course is designed for those interested in careers in law enforcement and to give insight into the cultural diversity and special needs of the community he/she will serve. Special emphasis is placed on ethical issues, investigation, teamwork, first aid, stress and community resources and services. The course will also teach how to effectively and compassionately deal with child abuse cases as well as how to become a crime prevention resource.

**ELECTRICAL TECHNOLOGY/WIND TURBINE/ALTERNATIVE ENERGY** The purpose of the Electrical Technology Wind Turbine/Alternative Energy Program is to provide the knowledge and skills to create an employable apprentice electrician. Examples of this learning are: working on a 30-foot climbing tower and in a confined work space, the use of a PLC, residential, industrial, and alternative energy components used in the field high school students interested in the steady and reliable electrical field as well as the ever changing growing field of alternative energy are encouraged to attend this program.

**VISUAL COMMUNICATIONS** is a brand-new program coming to the Huron Area Technical Center for the 2018-2019 school year. Students will be exposed to a number of different segments related to communications and digital multimedia. They will learn Graphic Design, Digital Communications, Web Design and Layout, Web Development, and Internet Safety: including legal, ethics, design and overall safety. In addition, students will learn to use photography, audio and video production, along with other multimedia tools. Our students will produce a weekly television show, which will be broadcasted throughout the building. Students will develop strong communication and digital multimedia skills. This new program will replace Information Management Systems (I.M.S.)