



In addition to the technical curriculum, students will focus intensely on career planning and developing their career readiness skills. A career readiness curriculum has been developed to help teach these skills.

2019-2020

Articulation (free college credit) with regional post-secondary institutions is available for students who meet criteria and continue their education beyond high school. Students should apply their senior year.

Allied Health (AH) This is a one-year program designed to explore the allied health career field. Allied Health provides students an overview of the many career options within the healthcare industry. Major components include anatomy, physiology, medical terminology, and a professional clinical experience. Allied Health offers students hands-on experience with clinical and technical skills such as CPR, first aid, monitoring vital signs and basic personal care needs of the patient. Other areas of focus include phlebotomy, massage therapy, sports medicine, basic EKG's and career readiness skills. Qualified students may be eligible to return for advanced training and earn their Emergency Medical Technician (EMT) or Certified Nurse Aide (CNA) license.

Automotive Technology (AU)* The Automotive Technology program is accredited by the Automotive Service Excellence (ASE) Education Foundation in Maintenance and Light Repair (MLR). Students will learn technical skills in Preventative Maintenance; Engine Repair; Automatic Transmissions; Manual Transmissions & Drivelines; Suspension, Steering, & Alignments; Brakes, Electrical & Electronics, Heating and Air Conditioning; and Engine Performance. Students will also be introduced to automotive business concepts. Automotive Technology emphasizes safety in all aspects of the program. Students will be prepared to take the State of Michigan Mechanic Certification and ASE Student Certification tests.

Construction Technology (CT) The Construction Technology program is a two-year classroom, laboratory, and on-site based program where the content is delivered through lectures, demonstrations and hands-on activities. The program is designed to provide an overview of many areas of construction including; employability skills, safety, construction mathematics, construction tools, equipment, materials, print reading, carpentry, electrical, mechanical, plumbing, masonry, heavy equipment, civil construction, construction careers and business management. Under the supervision of the Construction Technology teacher, para-educator, and local contractors, students will work on a house-building project as a large part of the program.

Cosmetology (CO) The Cosmetology course is a two or three-year commitment for those students pursuing the required 1,500 hours of instruction for their State of Michigan Cosmetology license. Students may enroll in the program as a junior or senior in high school and must return after high school graduation to complete the 1,500-hour requirement. First-year Students concentrate on theory and practice hands-on skills utilizing mannequins and each other. Second-year Students continue theory and practical work as well as operate the Touch of Class Salon where students experience real-life salon situations. Students completing the program may apply to take the Michigan Cosmetology Exam and upon passing the test, they will be licensed as a cosmetologist.

Culinary Arts (CA)* The Culinary Arts program will provide an extensive study experience in the many facets of the culinary and food service industry with a heavy emphasis on sanitation and safety. After completing the ServSafe unit and safety training, first-year students will operate and manage our on-site restaurant, The Starting Place. All students will have an opportunity to work in a wide variety of restaurant positions gaining valuable work experience in customer service, teamwork, commercial foods and the hospitality industry. At the end of the first year, Students have the opportunity to obtain their ServSafe certification. The second year is for students considering a career in Culinary Arts and provides opportunities to delve deeper into management, allergen training certification, advanced food preparation, time management, and career exploration.

Diesel Technology (DT)* The Diesel Technology program is accredited by the Automotive Service Excellence (ASE) Education Foundation in Diesel Engine Diagnosis and Repair and Preventive Maintenance Inspection and is in the process of transitioning to the Inspection, Maintenance, and Minor Repair (IMMR) accreditation. This two-year program is designed to equip students with entry-level skills in the maintenance and repair of medium and heavy duty trucks, heavy equipment, and agricultural machinery. Students will learn technical skills in Diesel Engines; Drivetrain; Brakes; Suspension & Steering; Electrical & Electronics; Heating, Ventilation, & Air Conditioning (HVAC); Preventive Maintenance; Welding; and Hydraulics. Students will also be introduced to transportation and agriculture equipment repair business concepts. Diesel Technology emphasizes safety in all aspects of the program. Students will be prepared to take the State of Michigan Mechanic Certification and ASE Student Certification tests.

Graphic Communications (GC)* This is a two-year program designed to give students a hands-on overview of the entire graphic and visual communication industry. First-year students are exposed to all aspects of the industry as they develop skills in producing printed products. Second-year students participate in a self-paced study of more advanced graphic processes. The Graphic Communications program is designed to provide hands-on instruction in computer imaging, electronic publishing, graphic layout and design, photography, web design, game design, offset printing, customer service, teamwork and problem solving.

Information Technology (IT)* This is a two-year program designed to prepare students for a career in Information Technology using industry-recognized certifications. This course prepares students for the CompTIA A+ certification, the preferred qualifying credential for technical support and IT operational roles. Students learn to troubleshoot and problem solve computer issues ranging from hardware and software, operating systems, and networking. All instructional material is computer-based learning supplemented with hands-on labs in the classroom. Once students earn A+ certification, they select their next topic of study choosing among Cyber-Security, Network Administration, and Programming. Each topic has industry-recognized certifications: CompTIA Network+, CompTIA Security+, and Microsoft Technical Associate. *Programs Continued on the Back* Wc:1/19



Innovative Engineering (IE)* This is a two-year program, and many students are graduating on to Kettering, Ferris State, Michigan Tech, Western Michigan to name a few or staying local and going into apprenticeships, industry, or even into the military with great scores and job choices! Skilled trades are back in high demand with great wages and opportunities! The opening of your mind and the concept of “I don’t know what I don’t know” is at the heart of Innovative Engineering Technology. Our goal is to develop problem solvers through the teaching of seven disciplines including: robotics, machining (both manual and CNC), injection molded plastics, electronics, fluid power, quality assurance, and design. Projects in class have included building award winning electric and hybrid vehicles, installing and wiring complete solar panels and wind turbine systems on mock house setups. Students learn to design and produce their own product(s) or tools. Our students have been involved in worldwide design projects.

Public Safety (PS) This a one-year program that introduces students to careers within the public safety pathway: Law Enforcement, Firefighting, Responding to Medical Emergencies, and Court/Corrections Systems. Students are also introduced to career opportunities within the Public Safety fields (Corrections Officer, Firefighter, EMT, Dispatcher), the Military and Homeland Security positions. The curriculum is hands-on experiences, physical fitness and wellness training, and classroom presentations and lectures based on a variety of career-related topics. Students will enhance self-discipline, leadership skills, and the ability to function as part of a team throughout the class. Qualified students may be eligible to return for advanced training and earn certification in the Corrections Academy (COR), the Emergency Medical Technician (EMT) or Firefighting I & II (FIRE) program.

Welding & Fabrication (WE)* This is a one-year program that teaches students a number of welding and cutting processes: Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), Flux Core Arc Welding (FCAW), spot welding, oxy-fuel welding, brazing, plasma cutting and carbon arc gouging. Fabrication tools used include: drill press, shears, power shears, benders, brakes, and CNC plasma cutters. Students will use metal-working, welding, and cutting processes to fabricate projects. Students who have successfully completed year one and are interested in Advanced Training may apply for a 2nd year in Welding or enroll in another MOCC Program to add to their technical skills. The 2nd year is for senior students and entrance is by application only. This Advanced Training during the 2nd year will focus on Work Based Learning (WBL), Computer Aided Design (CAD) programs, and/or more in-depth welding processes.

*** Programs designated with an (*) after the title are two-year programs where second-year students may be able to apply to be placed in cooperative work-based learning positions at a regional employer for up to four days a week.**

Advanced Training Opportunities

Students who have successfully completed the Allied Health or Public Safety as juniors have the option to enroll in one of our advanced training programs their senior year. Other seniors may apply for these programs too. Please see your High School Counselor for more information. All advanced courses are structured for competency-based group instruction using state-approved curriculum and are sanctioned by the appropriate accrediting organization where applicable. Students who meet requirements and progress satisfactorily through the course will have the opportunity to take the written and hands-on assessments and earn their license/certification.

Certified Nurse Aide (CNA) This is a one-year Advanced Training program for Allied Health completers. In addition, a senior who has not attended MOCC or is from another MOCC program may apply by an application. CNA students will study all aspects of personal care, taking vital signs and learning patient transfer techniques. Students will work toward eligibility to take the State of Michigan Certification Exam. Certification will allow the student to be employed as a CNA in a nursing home, hospital or other care facility.

Corrections Academy (COR) This is a one-year Advanced Training program for Public Safety completers. In addition, a senior who has not attended MOCC or is from another MOCC program may apply by an application. Corrections students who successfully complete each module of the academy and pass the final exam will be certified as a Local Corrections Officer. The academy curriculum consists of book-work and physical training. In order to be hired by a Sheriff’s Office students must also successfully pass the Michigan Sheriffs’ Coordinating and Training Council written examination, proctored by EMPKO, that tests the student’s mental fitness in the areas of reading comprehension, writing skills, and situational reasoning. Students must also successfully pass the Local Corrections Officer Physical Ability Test (LCOPAT) to be hired by a Sheriff’s Office. This is the only high school level corrections academy sanctioned by the Michigan Sheriffs’ Coordinating & Training Council. Upon successful completion of all requirements students may be employed at a county jail as a Corrections Officer. Further details about the academy requirements can be found at www.misctc.org.

Emergency Medical Technician (EMT) This is a one-year Advanced Training program for Allied Health and Public Safety completers. In addition, a senior who has not attended MOCC or is from another MOCC program may apply by an application. EMT students will work toward eligibility to take the National Registry of EMT’s Certification Exam. Curriculum includes classroom book-work, lab time, and clinical rotation in the hospital and ambulance setting. Students may be employed by a fire department, ambulance, or hospital as an EMT.

Firefighting I & II (FIRE) This is a one-year Advanced Training program for Public Safety completers. In addition, a senior who has not attended MOCC or is from another MOCC program may apply by an application. FIRE students will work toward eligibility to take the State of Michigan Fire Fighter I & II Certification Exam, which includes Hazardous Material-Operations Certification. Curriculum includes classroom book-work, lab time, and Work Based Learning with regional fire departments.

In compliance with Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, and the Americans with Disability Act of 1990, it is the policy of the Mecosta-Osceola Intermediate School District that no person shall, on the basis of race, color, religion, national origin or ancestry, gender, disability, age, height, weight, or marital status be excluded from participation in, be denied the benefits of, or be subjected to discrimination during any program or activity or in employment. In addition, arrangements can be made to ensure that the lack of English language skills is not a barrier to admission or participation.