

SMTEC Course Quick Guide

Arts & Communication

Graphic Communications I & II (CLHS) - VPAA or Math Related, 1 credit, full year

The main areas of focus are prepress functions or graphic design, lithography, and screen-printing. Students will learn the theory behind all the different printing processes, as well as experiencing hands on projects applying the theories.

Digital Media Production I & II (WWT, FHS) – VPAA 1 credit, full year

Prepares the student for employment or entry into a postsecondary education program in the Broadcast/Video Production career field. Topics covered may include, but are not limited to: history of mass media, terminology, safety, basic equipment, script writing, and production teams.

Business, Management, Marketing & Technology

Accounting I (CLHS, WWT) & II (WWT) – VPAA or Math Related, 1 credit, full year, grades 10-12

Certification: Microsoft Certification

These courses help the student develop a means of keeping and interpreting financial records of a business. Students will explore accounting for property, inventory, accounts receivable, notes receivable and notes payable

Business Management (CLHS) – VPAA or Math Related, 1 credit, full year course, grades 10-12

Certification: Microsoft Certification

This class prepares students to plan, manage, supervise and market business operations, products and services.

Marketing I (FHS, CLHS, WWT) & II (FHS, WWT)- VPAA or Math Related, 1 credit, full year

Certification: Microsoft Certification

You will learn what it takes to get the product from the manufacturer to the person who buys the product, how to sell, human resource essentials such as communication skills and how to get along on the job with other workers.

Sports Entertainment Marketing (FHS)- VPAA, 1 credit full year

Certification: Microsoft Certification

You will learn Selling, Promotion, Distribution, and Pricing. Management areas will include: Marketing Information, Product and Service and Entrepreneurship and Finance, specifically as it relates to the Sports and Entertainment fields.

AP Computer Science Principles (WWT)- VPAA or Math Related, 1 credit, full year

Certification: TBD

An entry-level course that introduces students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing.

Computer Programming (WWT)- VPAA or Math Related, 1 credit, full year

Certification: TBD

Hybrid Class in this course you will learn the fundamentals of computer science while creating your own animations, graphics, and games for the web. Perfect for absolute beginners learning at school or at home. Prerequisite: successful completion of Algebra I.

Manufacturing & Industrial Technology

Automotive Technology I, II, III (FHS, LHS) - VPAA or Math Related, 1, 2 credit, full year

Certifications: ASE/NATEF Certified program

The course will include instruction on the use of hand tools, fasteners, hoists, jacks, wiring, safety, and shop orientation. Basic automotive service skills including tire service, preventative maintenance, basic electricity, and cooling system service will be included.

CAD/Drafting I & II (LHS) - VPAA or Math Related, 1 credit, full year

This course is designed to introduce students NX software by Siemens and expand the student's understanding of 3D modeling and assembly.

Manufacturing Technology I & II (LHS) - VPAA or Math Related, 1 credit, full year

Students will receive training in all aspects of Manufacturing, metal machine operations and welding.

Welding (CLHS) - VPAA, Grade 12, 1 credit, full year

Certification: AWS Sense Certification

This course is designed to be a readiness training program to provide students with the opportunity to acquire the necessary skills and knowledge to apply for an apprenticeship program upon graduation. The program will include the foundational skills for professional trades as well as hands on experience and site visits to local apprenticeship schools.

Heavy Equipment Technology (CLHS) VPAA, 2 credits, full year.

Course will provide students classroom and hands on experience in the safe operation, maintenance and repair of industrial construction and farm equipment.

Health Sciences

Medical Careers & Systems-Anatomy & Physiology (WWT) - VPAA, or Science, 1 credit, full year

The focus of this course is on human Anatomy and Physiology, with an emphasis in health career applications.

Medical Careers & Systems- (FHS) VPAA, Math or Science, 1 credit, full year

The program will provide a visual and hands on experience to explore healthcare careers in all five different pathways.

Dental Assistant I, II (LHS) - VPAA , 1 credit, full year

Certification National Entry Level Dental Assistant (NELDA)

The Dental Assistant program prepares students to provide patient care, processing and mounting dental radiographs (x-rays), prepares patients and equipment for dental procedures, and discharges office administrative functions under the supervision of a dentist.

Emergency Medical Technician (CLHS) - VPAA or Math Related, 1 credit, full year

Certifications: Eligible student may take the State of Michigan, EMT licensing exam

Students enrolled in this program will receive instruction in the fields of pre-hospital and emergency medical training. This program is the study of the human body and the treatment required outside the hospital setting.

Medical First Responder (MFR) And Introduction to Health Careers (CLHS) – VPAA 1 credit, full year course

Certifications: EMR Licensing Exam

During the EMR semester of this course, focus is placed on pre-hospital emergency medicine. Classroom study has both the traditional didactic style lecture with hands on practical learning.

Medical Assistant (WWT) - VPAA or Math Related, 1 credit, full year

Certifications: NHA CCMA Medical Assistant Certification

This course prepares the student to support physicians by aiding in an office or clinical setting. Medical clinical and office procedures are taught.

Medical Careers & Systems- Medical Terminology- (WWT) VPAA, 1 credit, full year

Students will gain an understanding of basic elements, rules of building and analyzing medical words, and medical terms associated with the body as a whole.

Nursing (WWT) - VPAA or Math Related or Science, 1 credit, full year

Certifications: NHA (PCT) Patient Care Technician Exam

The Nursing Assistant course is a comprehensive study of the health care delivery system. This program includes all aspects of patient care from newborn to geriatrics.

Nursing- Certified (WWT) - VPAA or Math Related or Science, 1 credit, full year

Certifications: Certified Nursing Exam

The nursing Assistant Course is a comprehensive study of the health care delivery system. Macomb Community College partners with WWT to assist these students with their knowledge and externships with an outside nursing home to allow students the opportunity to complete their hours and qualify to take the Certified nursing Exam.

Pharmacy Technician (FHS) VPAA, Math or Science, 1 credit, full year

Certification: Qualified student may take the CPhT Exam through PCTB.

Completion of this course is geared toward a student becoming a Certified Pharmacy Technician (CPhT). A pharmacy technician is a person who works under the direct supervision of a licensed pharmacist and performs many pharmacy-related functions.

Physical Therapy Professional/Aide I & II (FHS)- VPAA, Math or Science, 1 credit, full year

Certification: ACMA (PCCT) Physical Therapy Technician Aid Certification

This program includes an intense study of the human body and treatments necessary to help patients gain mobility after injury, surgery or due to physical ailments/diseases.

Human Services

Cosmetology I & II (WWT) - VPAA, 4 credits, 2 yr. commitment

Certification: State of Michigan Cosmetology Exam

Cosmetology is a State certified program that covers 2 years of comprehensive and involved instruction.

Firefighting (CLHS) - VPAA, 2 credits, full year

Certification: Fire Fighting I & II

This course introduces students to the broad range of careers in firefighting. Students that are admitted to this course will have extensive classroom and practical experiences in such areas as; Fire Behavior, Self-Contained Breathing Apparatus, Portable Extinguisher, and much more.

Law Enforcement (CLHS) - VPAA, 1 credit, full year

This course introduces students to the broad range of careers in police work and law enforcement. A wide range of procedures associated with law enforcement and public safety will be reviewed.

Educational Careers Program (CLHS) – VPAA, 2 credits, full year

Certification: MI-YDA

In this course, students will receive comprehensive classroom training and additional hands-on training in the district's elementary or middle school classrooms. These students will work with an assigned "Mentor Teacher," participating in the different aspects of teaching.

Foods & Hospitality, Personal & Culinary Services I, II, & III (LHS, WWT) & IV (WWT) - VPAA or Math Related, 1 credit, full year

You will learn the management/culinary skills needed for a career in the restaurant and food service industry

Government & Public Administration

JROTC I, II, III, IV- 1 credit, full year

VPAA, PE credit after 2nd year (CLHS only)

***Qualified students may earn scholarships for entry into college ROTC programs or increased rank upon completion of military basic training.** The JROTC program prepares high school cadets for responsible leadership roles while making them aware of their rights, responsibilities and privileges as American citizens.