



Firefighter/Paramedic Prerequisites

The jobs of today require highly skilled technicians. Gain the knowledge and hands-on experience that will make you employable in these rewarding careers.

GENESEE COUNTY



EARLY MIDDLE COLLEGE

Combine college coursework at Mott Community College along with the Fire Academy at the Genesee Career Institute to work toward a career as a firefighter and paramedic.

The **Firefighter/ Paramedics Prerequisites program** gives students who are interested in becoming firefighters and paramedics the hands-on training and college coursework needed to pursue this exciting and high-need career path. This rigorous program allows a student to gain experience and demonstrate proficiency in basic firefighting and rescue techniques. Students can receive certifications throughout the program that can lead to immediate employment. Students will also work toward the associate degree requirements for the Paramedics (Graduate), A.A.S. through Mott Community College.



FIREFIGHTER/PARAMEDIC PREREQUISITES

A Genesee County Career and Technical Education Early Middle College Partnership



ESSENTIAL ELEMENTS

In addition to the 5-year plan of study, these POS Essential Elements are integral to the student's educational development.

Career and Technical Student Organization (CTSO)

Community Service

Educational Development Plan (EDP)

Work-Based Learning (WBL)

What is an Early Middle College?

The Genesee County Career and Technical Education Early Middle College (GC CTE EMC) is a unique opportunity for students to explore and earn an associate's degree, credential or transferable credit in a CTE Career Pathway while in high school.

Students will begin blending their high school course work with college level coursework in 11th grade, adding additional college courses in 12th grade and complete a full schedule of college coursework in a 13th year.

What is the MEMCA Certificate?

Michigan Early Middle College Association (MEMCA) Certificate recognizes early middle college students who successfully complete a minimum of 15 college credit hours and 100 hours of verified community service, a minimum of 40 hours of work-based learning or a combination of both that equals a minimum of 70 hours.

SEQUENCE OF COURSES The grades 9-13 sequence of courses includes the Michigan Merit Curriculum Requirements and the required college course work for the listed credentials. See Sequence of Course legend below.

¹Students must place into these courses through a placement test. If a student does not place into these classes, the sequence of courses will be modified for the student's individual plan of study.

*Michigan Merit Curriculum: These requirements can be met by successfully completing the first course in the same box. This option will vary by district; please discuss with your local counselor.

**Students will enroll in this college course.

***Students receive free college credit for this course by successfully completing the first course listed in the box.

9TH GRADE SEQUENCE OF COURSES		10TH GRADE SEQUENCE OF COURSES	
1st Semester	2nd Semester	1st Semester	2nd Semester
English 9	English 9	English 10	English 10
Math	Math	Math	Math
Science	Science	Science	Science
Social Studies	Social Studies	Social Studies	Social Studies
Foreign Language	Foreign Language	Physical Education	Health
Band/Choir/Fine Arts/VPAA	Band/Choir/Fine Arts/VPAA	Band/Choir/Fine Arts	Band/Choir/Fine Arts

11TH GRADE SEQUENCE OF COURSES

1st Semester	2nd Semester
GCI Emergency Medical Concepts 2 nd Year Foreign Language, 3 rd Year Science & VPAA*	GCI Emergency Medical Concepts 2 nd Year Foreign Language, 3 rd Year Science & VPAA*
ENGL 101 English Composition I** English 11 ¹	PSYC 281 General Psychology**
MATH 120 Intermediate Algebra** Algebra II ¹	AHLT 112 Nutrition for Health**
Government	Economics
Band/Choir/Fine Arts or Elective	Band/Choir/Fine Arts or Elective

12TH GRADE SEQUENCE OF COURSES

1st Semester	2nd Semester
GCI Firefighter Academy or Emergency Medical Technician 2 nd Year Foreign Language, 3 rd Year Science & VPAA*	GCI Firefighter Academy or Emergency Medical Technician 2 nd Year Foreign Language, 3 rd Year Science & VPAA*
BIOL 151 Human Anatomy & Physiology I**	BIOL 152 Human Anatomy & Physiology II**
BIOL 151L Human Anatomy & Physiology I Lab**	BIOL 152L Human Anatomy & Physiology II Lab**
ENGL 102 English Composition II** English 12 ¹	AHLT 113 Multicultural Health Care**
Band/Choir/Fine Arts or Elective	Band/Choir/Fine Arts or Elective

13TH GRADE SEQUENCE OF COURSES

1st Semester	2nd Semester
GCI Firefighter Academy or Emergency Medical Technician	GCI Firefighter Academy or Emergency Medical Technician
AHLT 135 Dosage & Solution Calculations**	BIOL 156 Microbiology**
COMG 153 Computers, A Practical Approach**	MATH 150 Probability and Statistics** Final Year Math/ 4th Math Related*
NRSG 100 Pharmacology & Therapeutics**	PEAC 144 Weight Training: Theory and Practice**

*This Program of Study is a guide; an individual sequence of courses will be developed for each student and is subject to change by student readiness, course availability and local school district policy.

All applicants pursuing a degree in a Health Science program that requires a clinical placement are required to submit fingerprints, undergo a criminal background check, and possible drug screening.



HOW TO ENROLL

See your high school counselor to apply to the Genesee County Career Technical Education Early Middle College. The application, along with additional information about the program, is also available at www.gccteemc.org.

DEGREE/ CERTIFICATION

After graduating from the GC CTE EMC, students must complete the paramedic program at Ascension-Genesys EMS Education. Upon completion of the paramedic program, Mott will award the Paramedics (Graduate), A.A.S.

INDUSTRY CREDENTIALS

Fire Safety I & II
EMT Certification

WAGES AND EMPLOYMENT TRENDS

Median National Wages 2022
\$24.85 hourly, \$51,680 annual

Median State Wages 2022
\$23.46 hourly, \$48,790 annual

National Employment 2022
334,200 employees

Projected National Growth 2022-2032 2% to 4%

Projected National Openings 2022-2032 26,400

Source: Bureau of Labor Statistics.



PARTICIPATING DISTRICTS

Beecher • Bendle • Carman-Ainsworth • Clio • Davison • Fenton • Flushing
Genesee • GISD • Goodrich • Grand Blanc • Kearsley • Lake Fenton • LakeVille
Linden • Montrose • Mt. Morris • Swartz Creek • Westwood Heights

The Genesee County Career Technical Education Early Middle College is available to Genesee County high school students through a partnership of Genesee County public school districts and the Genesee Intermediate School District (GISD).



Students accepted into the Genesee County Career Technical Education Early Middle College program will remain students of their high school and may attend courses at Baker College, Genesee Career Institute, University of Michigan Flint, Ferris State University, and Mott Community College to complete requirements in their Program of Study.



**For more information contact:
Genesee County Career Technical Education
Early Middle College Coordinator**

**Phone: (810) 591-3288
Email: gc-cte-emc@geneseeisd.org
Website: www.gccteemc.org**

The Genesee Intermediate School District (GISD) does not discriminate on the basis of race, color, religion, national origin, sex, disability, age, height, weight, marital status, genetic information, or any other legally protected characteristic, in its programs and activities, including hiring, promotion and retention. The person designated to handle inquiries regarding the nondiscrimination policies of GISD or to address any complaint of discrimination is Jeffrey Adams, Executive Director of Human Resources and Title IX Coordinator, Human Resources and Operations, 2413 West Maple Avenue, Flint, Michigan 48507-3493.