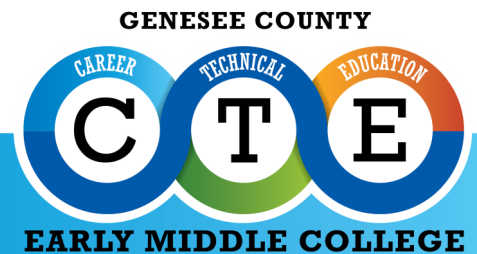


Genesee County  
Career Technical Education  
Early Middle College



# Nursing *Prerequisites*



The Nursing Department at Mott Community College prepares students for the Nursing Prerequisites coursework.

**Nursing, A.A.S. Prerequisites** includes the required coursework to apply for the Mott Community College Nursing program. Students in the Associate Degree Nursing (ADN) program study the biological, physical, and behavioral sciences to prepare them for the nursing curriculum. The program prepares students to assist a diverse patient population within the community through health maintenance, as well as caring for them across their lifespan, through illness, injury, or disability. Students successfully completing the Nursing Prerequisites will need to apply to the Mott Community College Nursing program.



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



# NURSING PREREQUISITES

## A Genesee County Career and Technical Education Early Middle College Partnership

### ESSENTIAL ELEMENTS

In addition to the five 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 coursework 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?

The Michigan Early Middle College Association (MEMCA) Certificate recognizes early middle college students who successfully complete a minimum of 15 college credit hours. The student must also complete 100 hours of verified community service, a minimum of 40 hours of internship, job shadowing, or clinical experience, or 70 hours of combined community service and verified career exploration.

**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.

<sup>1</sup>Students 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 Medical Career Foundations AHLT 102 Medical Terminology *** 2 <sup>nd</sup> Year Foreign Language, 3 <sup>rd</sup> Year Science & VPAA*	GCI Medical Career Foundations 2 <sup>nd</sup> Year Foreign Language, 3 <sup>rd</sup> Year Science & VPAA*
ENGL 101 English Composition I ** English 11 <sup>1</sup>	AHLT 135 Dosage & Solution Calculations **
MATH 120 Intermediate Algebra ** Algebra II <sup>1</sup>	Elective
Government	Elective
Band/Choir/Fine Arts or Elective	Band/Choir/Fine Arts or Elective

### 12TH GRADE SEQUENCE OF COURSES

1st Semester	2nd Semester
GCI Nursing Advanced Studies 2 <sup>nd</sup> Year Foreign Language, 3 <sup>rd</sup> Year Science & VPAA*	GCI Nursing Advanced Studies HEAL 125 Cardiopulmonary Resuscitation *** AHLT 112 Nutrition for Health *** 2 <sup>nd</sup> Year Foreign Language, 3 <sup>rd</sup> 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 <sup>1</sup>	Elective
Band/Choir/Fine Arts or Elective	Band/Choir/Fine Arts or Elective

### 13TH GRADE SEQUENCE OF COURSES

1st Semester	2nd Semester
COMM 220 Intercultural Communication **	BIOL 156 Microbiology **
PSYC 281 General Psychology **	BIOL 156L Microbiology Lab **
NRSG 105 Basic Health Assessment and Physical Examination **	ECON 221 Principles of Economics (Macro) ** Economics <sup>1</sup>
NRSG 105L Basic Health Assessment and Physical Examination Lab **	ECON 125 Personal Money Management or MATH 130 College Algebra** Final Year Math/ 4th Math Related*
NRSG 100 Pharmacology & Therapeutics**	
AHLT 113 Multicultural Health Care **	

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. *Students must complete the ATI TEAS assessment, Nursing program application and a background check in the 1st semester of the 13th year. This is a competitive application process. Entrance into the Nursing program is not guaranteed.*



## HOW TO ENROLL

See your high school counselor to obtain an enrollment application for 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](http://www.gccteemc.org).

## DEGREE/ CERTIFICATION

Nursing, A.A.S. Prerequisites includes the required coursework to apply to the Mott Community College Nursing program.

## INDUSTRY CREDENTIALS

Certified Nursing Assistant

## WAGES AND EMPLOYMENT TRENDS

**Median National Wages 2020**  
\$36.22 hourly, \$75,330 annual

**Median State Wages 2020**  
\$35.11 hourly, \$73,040 annual

**National Employment 2020**  
3,080,100 employees

**Projected National Growth  
2020-2030** 5% to 10%

**Projected National Openings  
2020-2030** 194,500 employees

Source: Bureau of Labor Statistics.



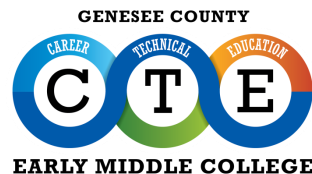
## PARTICIPATING DISTRICTS

Atherton • Beecher • Bendle • Bentley • Bentley • Carman-Ainsworth • Clio  
Davison • Fenton • Flushing • Genesee • GISD • Goodrich • Grand Blanc • Kearsley  
Lake Fenton • Lakeville • Linden • Madison Academy • 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, 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](mailto:gc-cte-emc@geneseeisd.org)**

**Website: [www.gccteemc.org](http://www.gccteemc.org)**