

MHS PATHWAY(S)

<u>Course Number & Name</u>	<u>Credit Hrs</u>
ENG-1101 English Composition I	3
ENG-1201 English Composition II	3
EGR-1010 Introductory Mathematics for Engineering	4
HIS-1111 Western Civilization I	3
HUM-1125 Introduction to Humanities	3
CIS-1107 Introduction to Operating Systems	3
COM-2211 Effective Public Speaking	3
COM-2206 Interpersonal Communication	3
MTH-1280 College Algebra	4
MTH-1350 Analytic Geometry and Trigonometry	3
MUS-1010 Theory of Music I	3

COLLEGE CREDIT PLUS-Sinclair Online Courses

Depending upon enrollment, course will be built into student's daily schedule at MHS

ENG-1101 English Composition I

In English Composition I, students learn reflective, analytical and argumentative writing strategies, incorporating sources and persona experience. This course will be a weighted course.

PREREQUISITE: None.

Open to grades 9-12 for accepted students.

High School Credit: 1

College Credit: 3 Semester Hours

ENG-1201 English Composition II

English Composition II, building on the skills in English Composition I, develops rhetorical literacy through research, critical reading and multigenre. This course will be a weighted course.

PREREQUISITE: ENG-1101.

Open to grades 9-12 for accepted students.

High School Credit: 1

College Credit: 3 Semester Hours

HIS-1111 Western Civilization I

Major trends in the development of Western culture, emphasizing political, economic, social and cultural achievements, from prehistory to the seventeenth century. This course will be a weighted course.

PREREQUISITE: None.

Open to grades 9-12 for accepted students.

High School Credit: 1

College Credit: 3 Semester Hours

HUM-1125 Introduction to Humanities

Explores the nature and content of the humanities by examining and analyzing various cultures from the past. In addition, this course provides an introduction to human thought, creativity, and human forms of expression. This course will be a weighted course.

PREREQUISITE: None.

Open to grades 9-12 for accepted students.

High School Credit: 1

College Credit: 3 Semester Hours

CIS-1107 Introduction to Operating Systems

Introduction to operating systems and their concepts. Both the command line interface, with commonly used instructions, and a graphical interface will be used to manage and administer the current Microsoft Windows and Linux operating systems.

PREREQUISITE: None.

Open to grades 9-12 for accepted students.

High School Credit: 1

College Credit: 3 Semester Hours

COM-2211 Effective Public Speaking

Designed to improve speaking and listening skills through the study and application of public speaking structure, content and style. This course will be a weighted course.

PREREQUISITE: None.

Open to grades 9-12 for accepted students.

High School Credit: 1

College Credit: 3 Semester Hours

COM-2206 Interpersonal Communication

Exploration of the development, maintenance and termination of interpersonal relationships. The focus is on effective verbal and nonverbal interactions between two people, highlighting methods of initiating and maintaining effective communication. This course will be a weighted course.

PREREQUISITE: None.

Open to grades 9-12 for accepted students.

High School Credit: 1

College Credit: 3 Semester Hours

COLLEGE CREDIT PLUS COURSES- Wright State University

Taught at MHS by and MHS teacher

EGR-1010 Introductory Mathematics for Engineering Applications

Math topics most heavily used in first and second-year engineering courses. Topics include engineering applications of algebra, trigonometry, vectors, complex numbers, sinusoids and signals, systems of equations and matrices, derivatives, integrals and differential equations. Integrated Writing course. This course will be a weighted course.

PREREQUISIT: Math placement level 40
High School Credit 1.33

Open to grades 9-12 for accepted students
College Credit: 4 Semester Hours

MTH-1280 College Algebra

Graphs of linear, polynomial and rational functions, exponential and logarithmic functions and equations, and systems of equations. This course will be a weighted course.

PREREQUISITE: None.
High School Credit: 1.33

Open to grades 9-12 for accepted students.
College Credit: 4 Semester Hours

MTH-1350 Analytic Geometry and Trigonometry

Polynomial equations, conic sections, trigonometric and inverse trigonometric functions, trigonometric identities, solution of triangles. This course will be a weighted course.

PREREQUISITE: MTH 1280 with minimum grade of D
High School Credit: 1

Open to grades 9-12 for accepted students.
College Credit: 3 Semester Hours

MUS-1010 Theory of Music I

Theoretical study of music through written exercises including melody, harmony, rhythm, form and analysis.

PREREQUISITE: None.
High School Credit: 1

Open to grades 9-12 for accepted students.
College Credit: 3 Semester Hours