

MCHS Core Courses: UC/CSU "A-G" and CTE Courses

The MCHS Core Courses listed here satisfy the "A-G" subject requirements and are certified by UC. These courses are academically challenging, and show serious attention to analytical thinking, factual content and developing students' oral and listening skills. For more information on "A-G": <http://www.ucop.edu/doorways/>

History/Social Science "A"

2 years required

AP US Government and Politics 1-2
AP US History 1-2
AP World History: Modern 1-2
Civics
US History 1-2
World History 1-2

English "B"

4 years required

American Literature 1-2
AP English Language and Composition 1-2
AP English Literature and Composition 1-2
Expository Reading & Writing 1-2
English as a Second Language 3-4
Ethnic Literature 1-2
High School English 1-4
Honors High School English 1-2
Honors Humanities 1-2

Mathematics "C"

3 years required, 4 years recommended

AP Calculus AB, BC
AP Computer Science A
AP Statistics
College Algebra 1-2
Honors Pre-Calculus 1-2
Integrated Math 1a – 3b
Introduction to Data Science 1-2

Science "D"

2 years required, 3 years recommended.

AP Biology
AP Chemistry
AP Computer Science Principles 1-2
AP Environmental Science
AP Physics 1A-1B
AP Physics C: E&M 1-2
AP Physics C: Mech 1-2
Biology of the Living Earth 1-2
Biomed Technology 1-2
Chemistry in the Earth System 1-2
Geoscience 1-2
Human Biology 1-2
Physics of the Universe 1-2
PLTW Honors Principles of Engineering 1-2*
PLTW Introduction to Engineering and Design 1-2*
**PLTW, Project Lead The Way*

Language Other than English "E"

2 years required, 3 years recommended

Filipino 1-8, Honors Filipino 7-8
Spanish 1-8, AP Spanish

Visual & Performing Arts "F"

1 year in the same discipline, (parts 1 and 2) required

3D Computer Animation 1- 4
AP Art History
AP 2D Art and Design (Studio Art)
AP 3D Art and Design (Studio Art)
AP Drawing (Studio Art)
Art Appreciation 1-2
Design Mixed Media 1- 4
Digital Media Production 1-2
Drawing and Painting 1- 4
Photography 1- 4
Studio Art
Beginning Choir 1-2
Classical Vocal Ensemble 1-2
Concert Band 1-2
Concert Choir 1-2
Dance (Modern/Intermediate/Advanced)
Dance Props (formerly Tall Flags)
Drama 1- 6
Instrumental Ensembles 1-2
Orchestra/String Ensemble 1-2
Technical Production for Theater 1- 4
Theater Arts Study and Performance 7-8
Wind Ensemble 1-2
Women's Ensemble 1-2

College Elective "G"

1 year required

If you have taken extra A-F classes (beyond those required) in Social Studies, English, Math, Science, Foreign Language or Arts they can be counted as a "G" Elective.

AP Psychology
AVID 9 – 12
Computer Science and Software Engineering (1-2)
Data Structures 1-2
Economics
Engineering Design and Development (PLTW)
Ethnic Studies
Fundamentals of Physics and Chemistry
Journalism 1-2
Psychology
Sociology
Sports Medicine/Athletic Training 1-4
Yearbook

CTE courses (non A-G)

ASB Planning and Leadership
Automotive Technology 1-6
Fire Science
First Responder