

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

## Visual and 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
- Economics
- Engineering Design and Development (PLTW)
- Ethnic Studies
- Fundamentals of Physics and Chemistry
- Introduction to Computer Programming
- Journalism 1-2
- Psychology
- Sociology
- Sports Medicine/Athletic Training 1-4
- Yearbook

## CTE courses (non A-G)

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