



TIER 1 COURSES

ENGLISH (HUMANITIES)

English 9, English 10, English 11, English 12,
African American Literature, History and Literature Through Film
AP English Language & Composition, AP English Literature & Composition,
English 101 ECE UB Composition and Rhetoric, English 102 ECE UB Intro to Literature,
English 1004 UCONN ECE Intro to Writing, English 1010 UCONN ECE Academic Writing,
English 1011 UCONN ECE Writing Through Literature.

SOCIAL STUDIES (HUMANITIES)

World Civilization, US History, Psychology,
AP Civics, AP Comparative Government and Politics, AP US History, AP World History,
History 1501 UCONN ECE US History to 1877,
History 1502 UCONN ECE US History since 1877.

SCIENCE (STEM)

Physical Science, Biology, Chemistry, Conceptual Physics, Physics,
AP Biology, AP Chemistry, AP Environmental Science, AP Physics, Environmental
Science NRE 1000 UCONN ECE, General Chemistry: CHEM 103 UB ECE,
General Chemistry: CHEM 1127Q UCONN ECE, General Chemistry: CHEM 1128Q UCONN
ECE

MATH (STEM)

Algebra 1, Geometry, Algebra 2, Probability and Statistics, Precalculus, Trigonometry,
Calculus, AP Calculus AB, AP Calculus BC, Calculus and Analytical Geometry Math 110
UB ECE, Intro to Engineering 1: ENGR 111 UB ECE.

WORLD LANGUAGE

PHYSICAL EDUCATION/HEALTH

MAGNET

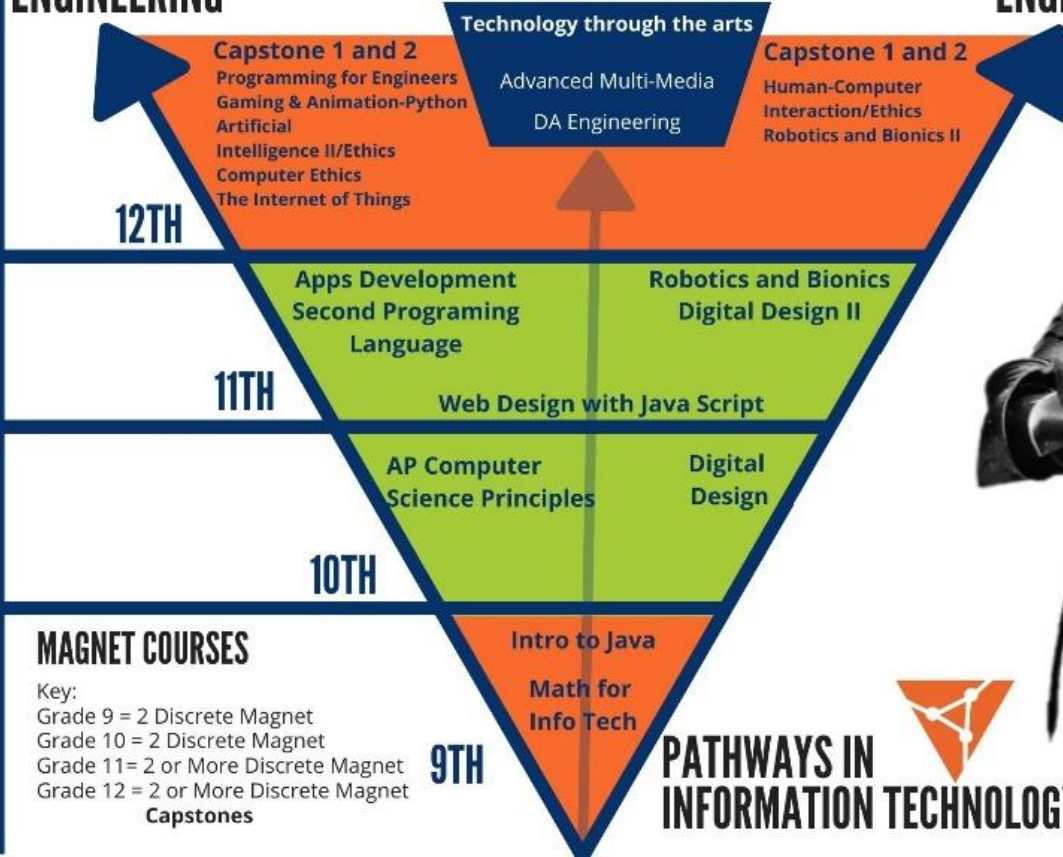
based on the chosen pathway

see pathways pyramid for details on Software Engineering, Hardware Engineering, and Multimedia pathways

SOFTWARE ENGINEERING

MEDIA PRODUCTION

HARDWARE ENGINEERING



MAGNET COURSES

Key:

Grade 9 = 2 Discrete Magnet
Grade 10 = 2 Discrete Magnet
Grade 11 = 2 or More Discrete Magnet
Grade 12 = 2 or More Discrete Magnet
Capstones

**PATHWAYS IN
INFORMATION TECHNOLOGY**

