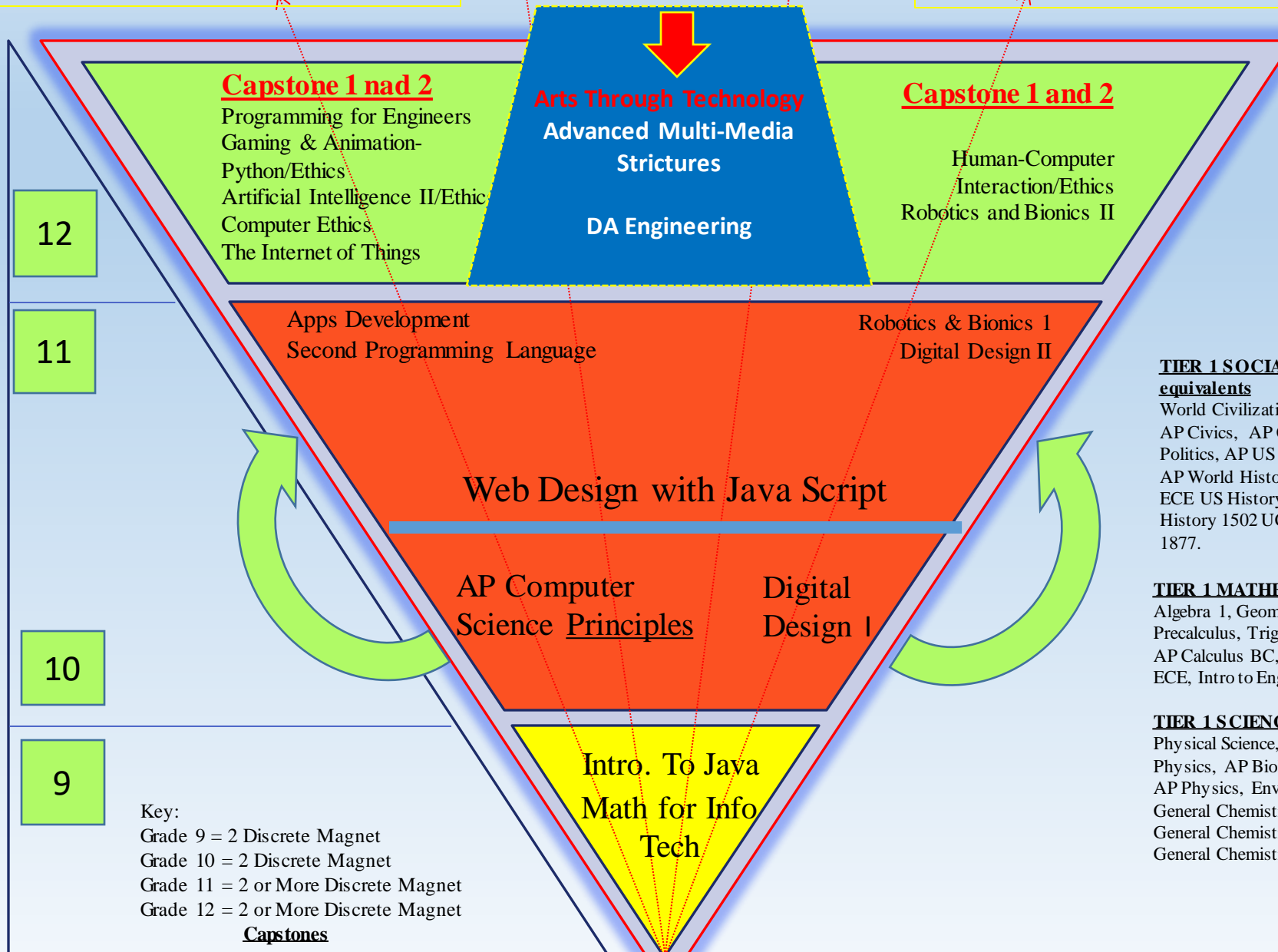


Software Engineering Pathway

Media Production

Hardware Engineering Pathway



12

11

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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

Magnet Courses

Tier 1 Core Courses

TIER 1 ENGLISH COURSES (and equivalents)
 English 9, English 10, English 11, English 12, African American Literature, History and Lit 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.

TIER 1 SOCIAL STUDIES COURSES (and equivalents)
 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.

TIER 1 MATHEMATICS COURSES (and equivalents)
 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.

TIER 1 SCIENCE COURSES (and equivalents)
 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