

Knox County Core Course Sequencing Chart

English Sequence of Classes (4 Credits Required)

9th	10 th	11 th	12th
English 1 CP	English 2 CP	English 3 CP & Writing for College (2 classes in the schedule)	English 4 CP or DE English Composition I <i>(all DE is off campus; not at Bearden)</i>
Honors English 1	Honors English 2	AP Lit & Comp	AP Lang & Comp

Social Studies Sequence of Classes (3.5 Credits Required)

9th	10 th	11 th	12th
World History & Geography	U.S. Govt. (1/2 credit) & Cont. Issues (1/2 credit)**	U.S. History & Geography	Econ (1/2 credit) & Personal finance (1/2 credit)
AP Human Geography	AP Govt.	AP U.S. History	*AP Econ & Personal Finance *students may choose AP Macro, AP Micro or both AP Micro & Macro

Science Sequence of Classes (3 Credits Required; 4 Strongly Recommended)

9th	10 th	11 th	12th
*PWC	Chemistry	Biology *if PWC not earned in 9 th , then Ecology in 11 th or 12 th	Optional but encouraged: additional science
Honors Biology	Honors Chemistry	Honors &/or AP Science e.g., AP Env. Sci CP or Hon Anatomy & Physiology Hon Scientific Research Hon Chem 2 & AP Chem Hon Bio 2 & AP Bio Hon Physics & AP Physics	Optional but encouraged: Honors &/or AP Science e.g., AP Env. Sci CP or Hon Anatomy & Physiology Hon Scientific Research Hon Chem 2 & AP Chem Hon Bio 2 & AP Bio Hon Physics & AP Physics

NOTES: These courses do NOT count as a lab science for TN graduation requirements, but may be taken as a 4th science elective: *Marine Ecology, Microbiology, & Wildlife.*

Check Course Registration sheet for pre-requisite and other information

Math Sequence of Classes (minimum 4 Credits Required; must take math class each year)

9th	10 th	11 th	12th
Alg. 1A & Alg. 1B	Geometry	Algebra 2	Bridge
Algebra 1	Geometry	Algebra 2	Applied Math, Bridge, PreCal, DC Stats, DE Math
	Geometry FALL and Algebra 2 SPRING	Pre Calculus	Calculus, DC Statistics, DE Math)
Honors Alg. 1	Honors Geometry	Honors Algebra 2	Honors PreCal, AP Stats
Honors Geometry	Honors Algebra 2	Honors PreCal	AP Calc. AB & BC (2 Classes), AP Stats, +AP Comp Sci, *+Hon Physics & AP *+CP Physics <i>*+ see chart below</i>
	Honors Algebra 2 (Fall) Honors PreCal (Spring)	AP Calc. AB & BC (2 Classes), AP Stats, AP Comp Sci	Classes Below are suggested if AP Calc AB/BC is completed: DE Matrix Algebra, +AP Comp Science -Hon Physics & AP <i>*+ see chart below</i>

Guideline for Math Placement in Classes (Based on ACT Scores):

Bridge Math—Math ACT ≤ 19 (Non NCAA)

Applied Math—Math ACT 19-22

Pre Calculus CP—Math ACT ≥ 23

DC Statistics—Math ACT ≥ 21

DE Math Courses—3.0 unweighted gpa & Math ACT 19 - 26; varies by course

***+If using Physics (CP, Hon, or Hon & AP) as 4th year (Senior year) math:** Must have already completed 3 lab sciences and must have math ACT of 22 or Math SAT of 540). Physics taken in Jr year does not satisfy a math requirement

***+If using AP Comp Sci as 4th year (Senior year) math:** Must have Math ACT of 22 or Math SAT of 540). AP Comp Sci taken in Jr year does not satisfy a math requirement.

NOTE: STATE ACT (taken Spring of Jr. year) may change course selections

To qualify for the DE grant students must have minimum ACT sub-scores of 18 in English, 19 in Reading, ≥ 19 in Math **and** a 3.0 unweighted GPA.