

## TOPS Core, 2018: Dual Enrollment/Matrix Options for TOPS Core

(for increased weights when calculating TOPS GPA, for incoming freshmen beginning Fall 2014)

	Advanced Placement	International Baccalaureate	Gifted and Talented	Dual Enrollment	
<b>ENGLISH = 4 Units</b>					
ENGLISH I – 1 unit				Common Course Code	Common Course Name
ENGLISH II – 1 unit					

### 1 Unit from the following:

ENGLISH III – 1 unit	AP English Language and Composition	IB Literature IB Language & Literature IB Literature and Performance	English III	CENL 1013 CENL 1023 CENL 2153 CENL 2163 CENL 2173	English Composition I English Composition II American Literature I American Literature II Major American Writers
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### 1 Unit from the following:

ENGLISH IV – 1 unit	AP English Literature and Composition	IB Literature IB Language & Literature IB Literature & Performance	English IV	CENL 1013 CENL 1023 CENL 2103 CENL 2113 CENL 2123 CENL 2203 CENL 2213 CENL 2223 CENL 2303 CENL 2323 CENL 2313	English Composition I English Composition II British Literature I British Literature II Major British Writers World Literature I World Literature II Major World Writers Introduction to Fiction Introduction to Literature Intro to Poetry and/or Drama
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	Advanced Placement	International Baccalaureate	Gifted and Talented	Dual Enrollment	
<b>MATHEMATICS = 4 Units</b>					
ALGEBRA I – 1 unit	<i>*Integrated Mathematics I, Integrated Mathematics II, and Integrated Mathematics III may be substituted for the Algebra 1, Geometry, and Algebra II sequence</i>			Common Course Code	Common Course Name
GEOMETRY – 1 unit					
ALGEBRA II – 1 unit					

### 1 Unit from the following:

ALGEBRA III				CMAT 1213	College Algebra
ADV MATH-PRE CALC		IB Math Studies (Math Methods)		CMAT 1223	Trigonometry
PRE-CALCULUS		IB Math Studies (Math Methods)		CMAT 1233	Algebra & Trigonometry
ADV MATH-FUNCTIONS AND STATISTICS				CMAT 1303	Introductory Statistics
PROB & STATISTICS	AP Statistics			CMAT 1303	Introductory Statistics
CALCULUS	AP Calculus AB AP Calculus BC	IB Mathematics SL IB Mathematics HL	Calculus I Calculus II	CMAT 2103 CMAT 2113-5 CMAT 2123-5	Applied Calculus Calculus I Calculus II

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SCIENCE = 4 Units	Advanced Placement	International Baccalaureate	Gifted and Talented	Dual Enrollment	
				Common Course Code	Common Course Name
BIOLOGY I – 1 unit				CBIO 1013 CBIO 1033	General Biology I Gen Biology I (Sci Majors)
CHEMISTRY I – 1 unit			Chemistry I	CCEM 1013 CCEM 1103 CCEM 1123	General Chemistry Survey I Chemistry I Chemistry I (Sci Majors)

### 2 Units from the following:

BIOLOGY II	AP Biology	IB Biology I IB Biology II	Biology II	CBIO 1013 CBIO 1033 CBIO 1023 CBIO 1043	General Biology I Gen Biology I (Sci Majors) General Biology II Gen Biology II (Sci Majors)
EARTH SCIENCE				CGEO 1103 CGEO 1113	Physical Geology Historical Geology
ENVIRONMENTAL SCI	AP Environmental Science	IB Environmental Systems	Environmental Science	CEVS 1103	Environmental Science
PHYSICAL SCIENCE				CPHY 1023	Physical Science I
CHEMISTRY II	AP Chemistry	IB Chemistry I IB Chemistry II	Chemistry II	CCEM 1003 CCEM 1013 CCEM 1103 CCEM 1123 CCEM 1113 CCEM 113	General, Organic & Biochemistry General Chemistry Survey I Chemistry I Chemistry I (Sci Majors) Chemistry II Chemistry II (Sci Majors)
PHYSICS I	AP Physics I: Algebra Based AP Physics II: Algebra Based AP Physics C: Electricity and Magnetism AP Physics C: Mechanics	IB Physics I IB Physics II	Physics	CPHY 2113 CPHY 2114 CPHY 2133	Physics I (Algebra/Trig Based) Physics I (Lec & Lab) Physics I (Calculus Based)
AGRISCIENCE I and II (completion of both courses is required for 1 unit of credit)					

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SOCIAL STUDIES = 4 Units	Advanced Placement	International Baccalaureate	Gifted and Talented	Dual Enrollment	
				Common Course Code	Common Course Name
US HISTORY - 1 unit	AP U.S. History	IB History of the Americas I	U.S. History	CHIS 2013/2023	American History I or II

**1 Unit from the following:**

US GOVT or CIVICS	AP U.S. Government and Politics: Comparative AP U.S. Government and Politics: United States		Government	CPOL 2013 CPOL 2113 CPOL 2213	Intro to American Government Intro to State & Local Government Intro to Comparative Government
ECONOMICS	AP Macroeconomics AP Microeconomics	IB Economics	Economics	ECON 2113 CECN 2213 CECN 2223	Economic Principles Macroeconomics Microeconomics

**2 Units from the following:**

WESTERN CIVILIZATION				CHIS 1013/1023	Western Civilization I or II
EUROPEAN HISTORY	AP European History		European History		
WORLD GEOGRAPHY	AP Human Geography	IB Geography	World/Human Geography	CGRG 2113	World Regional Geography
WORLD HISTORY	AP World History	IB History of the Americas II		CHIS 1113/1123	World Civilization I or II
HIST OF RELIGION (non-publics only)				CPHL 2213	World Religions
US GOVERNMENT	AP U.S. Government and Politics: Comparative AP U.S. Government and Politics: United States		Government	CPOL 2013 CPOL 2113 CPOL 2213	Intro to American Government Intro to State & Local Government Intro to Comparative Government
ECONOMICS	AP Macroeconomics AP Microeconomics	IB Economics	Economics	ECON 2113 CECN 2213 CECN 2223	Economic Principles Macroeconomics Microeconomics

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FOREIGN LANGUAGE = 2 Units, same lang	Advanced Placement	International Baccalaureate	Gifted and Talented	Dual Enrollment	
				Common Course Code	Common Course Name
ARABIC		IB Language ab initio: Arabic IB Language B: Arabic		CARB 1013/1014 CARB 1023/1024	Elem Arabic I Elem Arabic II
FRENCH	AP French Language & Culture	IB Language ab initio: French IB Language B: French	French III French IV	CFRN 1013/1014 CFRN 1023/1024 CFRN 2013/2014 CFRN 2023	Elem French I Elem French II Intermediate French I Intermediate French II
GERMAN	AP German Lang & Culture	IB Language ab initio: German IB Language B: German	German III German IV	CGRM 1013/1014 CGRM 1023/1024 CGRM 2013 CGRM 2023	Elem German I Elem German II Intermediate German I Intermediate German II
LATIN	AP Latin	IB Classical Language	Latin III Latin IV	CLTN 1013/1014 CLTN 1023/1024 CLTN 2013 CLTN 2023	Elem Latin I Elem Latin II Intermediate Latin I Intermediate Latin II
SPANISH	AP Spanish Lang & Culture	IB Language ab initio: Spanish IB Language B: Spanish	Spanish III Spanish IV	CSPN 1013/1014 CSPN 1023/1024 CSPN 2013/2014 CSPN 2023	Elem Spanish I Elem Spanish II Intermediate Spanish I Intermediate Spanish II
CHINESE	AP Chinese Lang & Culture	IB Language ab initio: Chinese IB Language B: Chinese	Chinese III Chinese IV		
ITALIAN	AP Italian Lang & Culture	IB Language ab initio: Italian IB Language B: Italian	Italian III Italian IV		
JAPANESE	AP Japanese Lang & Culture	IB Language ab initio: Japanese IB Language B: Japanese	Japanese III Japanese IV		

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ART = 1 Unit	Advanced Placement	International Baccalaureate	Gifted and Talented	Dual Enrollment	
				Common Course Code	Common Course Name
Music (Performance)		IB Music	Talented Music I, II, III, IV Small Voice Ensemble II Choir: Intermediate Choir: Advanced Orchestra: Intermediate Orchestra: Advanced		
Fine Arts Survey	AP Music Theory			CART 1013 CART 1023 CDNC 1013 CMUS 1013	Exploring the Arts Introduction to Visual Arts Dance Appreciation Music Appreciation
Art	AP Art History AP Studio Art: 2-D Design AP Studio Art: 3-D Design AP Studio Art: Drawing	IB Visual Arts	Art History Talented Visual Arts I Talented Visual Arts II Talented Visual Arts III Talented Visual Arts IV	CART 2103/2113 CART 1113 CART 2203	Art History I or II Art Structure/2-D Design Beginning Drawing
Theatre (Performance)		IB Film Study IB Theatre IB Dance	Introduction to Film Studies Talented Theater I, II, III, IV	CTHE 2103/2113 CTHE 1013	Acting I or II Introduction to Theatre