

2023 Core Course List



The core gpa is calculated using **ALL** core courses and corresponding grades, according to county grading policies. Dual credit courses will be included, if applicable. Weighted grades are permitted, if county grading policies permits. Only courses approved by the West Virginia Department of Education to fulfill the graduation requirements in accordance with Policy 2510 will be used in the core gpa calculation for public high school students. If you should have any questions regarding the course requirements, please contact our office.

Subject/Course Name		Substitute Courses for 2022-2023	
4 English Credits Required		WVEIS Course Code	Substitute English Courses
English 9	4009	4013 Transition English Language Arts for Seniors	
English 10	4010	4014 English 12 CR	
English 11	4011	4017 Technical English Language Arts	
English 12	4012	4027 Creative Writing and Reading	
		4041 AP English	
		4042 AP English	
		4043 International English Language AP	
		4047 IB Lange A	
4 Social Studies Credits Required		WVEIS Course Code	Substitute Social Studies Courses
World Studies	7010	7011 Contemporary Studies	
United States Studies or US Comprehensive	7009, 7012	7032 Economics	
Civics	7031	7033 Geography	
		7039 AP Micro-Economics	
		7040 AP Macro-Economics	
		7041 AP Economics	
		7042 AP Human Geography	
		7043 Government and Politics: Comp AP	
		7044 Government and Politics: U.S. AP	
		7045 AP European History	
		7046 AP US History	
		7047 AP Psychology	
		7048 AP World History	
		7051 IB Economics	
		7052 IB Geography	
		7053 IB History	
		7054 IB Philosophy	
		7055 IB Psychology	
		7056 IB Social Anthropology	
		7301 Anthropology	
		7321 Psychology	
		7341 Sociology	
		7950 Financial Literacy	
		Taking JROTC courses I-IV may count as one social studies credit (1065,1066,1080,1081)	

Fourth Social Studies credit can come from any on the substitute course list or *approved Embedded Credit Course Listing

[*Click to view Approved Embedded Credit Courses for other credit fulfillment opportunities for the fourth social studies course.](http://wvde.state.wv.us/instruction/documents/EmbeddedCreditCTE2018August08.pdf)

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** If utilizing US Studies, the fourth credit must come from AP US History, Contemporary Studies, or JROTC

3 Science Credits Required	WVEIS Course Code	Substitute Science Courses
Earth and Space Science	6201	0164 Animal and Plant Biotechnology
Biology	6021	0166 Principles of Agricultural Science – Plant
		0200 Natural Resource Management
		0766 Human Body Systems
		2463 Principles of Engineering
		6011 Physical Science
		6021 Biology II
		6031 Chemistry
		6033 Chemistry II
		6041 Physics
		6043 Physics II
		6044 Forensics
		6045 Computer Science GIS
		6103 Human Anatomy and Physiology
		6121 AP Biology
		6131 AP IB Biology
		6221 AP Environmental Science
		6262 Astronomy
		6270 Zoology
		6312 Environmental Science
		6321 AP Chemistry
		6323 AP Physics ELC MAG
		6325 AP Physics Mechanics
		6326 AP Physics 1
		6327 AP Physics 2
		6331 IB Chemistry
		6332 IB Physical Science
		6333 IB Physics
		7725 Microbiology

Third science credit can come from any on the substitute course list or **approved Embedded Credit Course Listing
[**Click to view Approved Embedded Credit Courses for other credit fulfillment opportunities for the third science course.](http://wvde.state.wv.us/instruction/documents/EmbeddedCreditCTE2018August08.pdf)
<http://wvde.state.wv.us/instruction/documents/EmbeddedCreditCTE2018August08.pdf>

Advanced Careers Courses (SREB)*Students must pass all four courses of the AC Energy and Power Concentration to fulfill the third science course graduation requirement.

- *2485 AC Energy, Power
- *2486 AC Energy, Power
- *2487 AC Energy, Power
- *2488 AC Energy, Power

Advanced Careers Courses (SREB)*Students must pass all four courses of the AC Innovations in Science and Technology Concentration to fulfill the third science course graduation requirement.

- *1545 AC Innovations in Science and Technology
- *1546 AC Innovations in Science and Technology
- *1547 AC Innovations in Science and Technology
- *1548 AC Innovations in Science and Technology

** Please refer to the attached document for other credit fulfillment opportunities for the third science course.

4 Math Credits Required	WVEIS Course Code	Substitute Math Courses
Math I/Algebra I	3011, 3012, 3061, 3066	3013 Math I Lab***
Math II/Geometry	3014, 3062	3025 Advanced Mathematical Modeling
Math III/Math III TR*/Algebra II	3015, 3016, 3017, 3063	3026 STEM Readiness Mathematics
Math IV/MathIV TR*/Trigonometry/Pre-calculus	3018, 3019, 3064	3027 Financial Algebra
		3028 Applied Statistics
		3029 Statistics (1/2 Credit)
		3030 AP Computer Science A
		3031 AB AP Calculus
		3032 BC AP Calculus

3033 AP Statistics
3035 IB Math Studies
3036 IB Mathematics
3037 IB Math and Computing
3051 Algebra III
3052 Transition Math for Seniors
3060 Algebra Support***
3069 Technical Transition Math for Seniors
3070 Quantitative Reasoning
3144 Calculus
3161 Computer Science and Mathematics
7745 Probability and Statistics (1/2 Credit)

*** 3013 and 3060 Courses cannot be used as replacement courses but must be used in GPA calculation.

** Please refer to the attached document for other embedded credit opportunities for mathematics courses.

*Math III TR and Math IV TR must both be completed to be counted as one math credit to meet this requirement.

[*Click to view Approved Embedded Credit Courses .](#)