

# Coursework Requirements Revised 11/29/2023 Math Courses higher than Algebra 2 - Appendix B.

Content Area	Coursework Requirements	Coursework Options (STARS course code)
<b>Mathematics</b>	<p><b>4 credits of math</b> (in high school, one of which shall be the equivalent to or higher than the level of Algebra II)</p> <p>+Courses at a higher level than Algebra II. <b>For a full listing of courses, see Appendix B.</b></p>	<ul style="list-style-type: none"> <li>• Computer Science A (0327 or 0346)+</li> <li>• Computer Science Principles (0345 or 0336)+</li> <li>• Data Science (2079)</li> <li>• Algebra I (2031)</li> <li>• Algebra II (2041)</li> <li>• Algebra II/Trig (2044)</li> <li>• Pathways 2 Careers Algebra 2A (2087)</li> <li>• Pathways 2 Careers Algebra 2B (2088)</li> <li>• Applied Math (2024)</li> <li>• Financial Literacy (2097)</li> <li>• Fractal Mathematics (2039)+</li> <li>• Geometry (2034)</li> <li>• Integrated Pathway: Math I (2080)</li> <li>• Integrated Pathway: Math II (2081)</li> <li>• Integrated Pathway: Math III (2083)</li> <li>• Mathematical Modeling (2078)+</li> <li>• Probability and Statistics (2029)</li> <li>• Scientific Technologies (1783)+</li> <li>• AP and IB courses in Mathematics</li> </ul>
<b>Reading and Writing</b>	<p><b>4 credits of English</b> (with major emphasis on grammar, nonfiction writing, and literature)</p>	<ul style="list-style-type: none"> <li>• ELA 1 (1001)/ELA-ELD I (1064)**</li> <li>• ELA 2 (1002)/ELA-ELD II (1065)**</li> <li>• ELA 3 (1003)/ELA-ELD III (1066)**</li> <li>• ELA 4 (1004)/ELA-ELD IV (1067)**</li> <li>• SREB Literacy Ready (1037)</li> <li>• AP and IB courses in English Language Arts</li> </ul>
<b>Science</b>	<p><b>3 credits of science</b> (2 credits must include a laboratory component)</p>	<ul style="list-style-type: none"> <li>• Secondary courses under STARS codes in the 1700s (includes AP and IB courses in science)</li> <li>• Computer Science A (0327 or 0346)*</li> <li>• Computer Science Principles (0345 or 0336)*</li> <li>• Fractal Mathematics (2039)*</li> <li>• Mathematical Modeling (2078)*</li> <li>• Scientific Technologies (1783)*</li> </ul>
<b>Social Studies</b>	<p><b>3.5 credits of social studies</b> (to include U.S. history and geography, world history and geography, government and economics, and 0.5 credit of N.M. history)</p>	<ul style="list-style-type: none"> <li>• US History and Geography (2729)</li> <li>• World History and Geography (2706)</li> <li>• 0.5 U.S. Government (2730)</li> <li>• 0.5 Economics (2741)</li> <li>• 0.5 N.M. History (2717)</li> <li>• AP and IB courses in Social Studies</li> </ul>
<b>Physical Education</b>	<p><b>1 unit in physical education</b></p>	<p><b>Options vary by school. Examples include:</b></p> <ul style="list-style-type: none"> <li>• Marching band</li> <li>• JROTC</li> <li>• Interscholastic sports</li> </ul>
<b>Career Cluster, Workplace Readiness, Language</b>	<p>1 unit in a career cluster course, workplace readiness, or a language other than English</p>	<ul style="list-style-type: none"> <li>• <b>Options vary by school.</b></li> </ul>
<b>Electives</b>	<p>7 elective units that meet department content and performance standards</p>	<p><b>Options vary by school. Examples include:</b></p> <ul style="list-style-type: none"> <li>• Student service learning</li> <li>• Pre-apprenticeship programs</li> <li>• Media literacy</li> <li>• Additional courses in core subjects</li> </ul>
<b>Health</b>	<p>1 course (0.5 or 1 credit) in health</p>	<ul style="list-style-type: none"> <li>• Health (1401) as an elective unit above (E) or as completed in middle school (MS)</li> </ul>

\*Students who demonstrate proficiency on the ESSA-required mathematics assessment and meet the Algebra II graduation requirement may use a qualifying computer science course for mathematics graduation credit. Students who demonstrate proficiency in the science assessment may use a qualifying computer science course and earn a science credit. \*\*ELD courses are intended for English learners (ELs) whose proficiency level is nearing proficiency, as measured by the PED-approved English language proficiency assessment.