GHS Mathematics Course Sequence
Guide 2018-2019

<table>
<tr><th>9th Grade</th><th>10th Grade</th><th>11th Grade</th><th colspan="2">12th Grade</th></tr>
<tr><td rowspan="2">Algebra 1/ Geometry
Course 1
(C- or below Test & Quiz Average
in 8th grade Pre-Algebra)</td><td rowspan="2">Algebra 1/ Geometry
Course 2</td><td rowspan="2">Algebra 1/ Geometry
Course 3</td><td colspan="2">Algebra 2B
(with teacher recommendation)</td></tr>
<tr><td colspan="2">Topics in Mathematics</td></tr>
<tr><td rowspan="4">Extended Algebra
(Between C and B- Test & Quiz Average
in 8th grade Pre-Algebra)</td><td rowspan="4">Geometry B</td><td rowspan="4">Algebra 2B</td><td colspan="2">College Algebra and Trigonometry
*New to the Course of Study Guide
(C or better in Algebra 2B)</td></tr>
<tr><td>Discrete Math 1
*not offered 2018-2019</td><td>Discrete Math 2
*not offered 2018-2019</td></tr>
<tr><td>Statistics 1
(C+ or better in Alg 2B
<u>and</u> teacher rec)</td><td>Statistics 2
(C+ or better in Stats 1)</td></tr>
<tr><td colspan="2">Topics in Mathematics</td></tr>
<tr><td rowspan="4">Algebra 1
(B or better Test & Quiz Average
in 8th grade Pre-Algebra)</td><td rowspan="4">Geometry A
(C or better in Algebra 1)

-or-

(A- or better in Extended Algebra <u>with</u>
teacher recommendation
<u>and</u> summer work from
Math Program Administrator)</td><td rowspan="4">Algebra 2A
(C or better in both Geometry A
and Algebra 1)</td><td colspan="2">College Algebra and Trigonometry
*New to the Course of Study Guide</td></tr>
<tr><td>Discrete Math 1
*not offered 2018-2019</td><td>Discrete Math 2
*not offered 2018-2019</td></tr>
<tr><td>Statistics 1</td><td>Statistics 2
(C+ or better in Stats 1)</td></tr>
<tr><td>Precalculus 1
(C+ or better in Alg 2A)</td><td>Precalculus 2
(C or better in PC 1)</td></tr>
</table>

<table>
<tr><th>9th Grade</th><th>10th Grade</th><th>11th Grade</th><th>12th Grade</th></tr>
<tr><td rowspan="2">Geometry A
(C+ or below Test & Quiz Average in 8th grade Algebra)</td><td rowspan="2">Algebra 2A
(C or better in Geometry A and a C or better in Algebra 1)</td><td colspan="2">College Algebra and Trigonometry
* New to the Course of Study Guide</td><td>Precalculus 1</td><td>Precalculus 2
(C or better in PC 1)</td></tr>
<tr><td>Precalculus 1
(C+ or better in Algebra 2A)</td><td>Precalculus 2
(C or better in PC 1)</td><td colspan="2">Calculus
(C or better in PC 1 and PC 2)

AP Statistics
(B or better in Precalculus <u>and</u> teacher rec.)</td></tr>
<tr><td>Honors Geometry
(B- or better Test & Quiz Average in 8th grade Algebra)</td><td colspan="2">Honors Algebra 2
(B- or better in Honors Geometry)
–or-
(A- or better in Geometry A <u>with</u> teacher recommendation <u>and</u> B- or better in Algebra 1)</td><td colspan="2">Honors Precalculus
(B- or better in Honors Algebra 2)
-or-
(A- or better in Algebra 2A <u>with</u> teacher recommendation <u>and</u> summer work from Math Program Administrator)</td><td colspan="2">AP Calculus AB
(B or better in Honors Precalculus or A- or better in Precalculus 1 & 2 <u>with</u> teacher rec.)

AP Calculus BC
(B+ or better in Honors Precalculus)</td></tr>
<tr><td>Algebra 2A
(C+ or below Test & Quiz Average in 8th grade Geometry)</td><td>Precalculus 1
(C+ or better in Algebra 2A)</td><td>Precalculus 2
(C or better in Precalculus 1)</td><td colspan="2">Calculus
(C or better in Precalculus 1 and 2)</td><td colspan="2">AP Statistics
(B or better in Precalculus <u>and</u> teacher rec.)

AP Calculus AB
(B or better in Honors Precalculus or A- or better in Precalculus 1 & 2 <u>with</u> teacher rec.)</td></tr>
<tr><td>Honors Algebra 2
(B- or better Test & Quiz Average in 8th grade Geometry)</td><td colspan="2">Honors Precalculus
(B- or better in Honors Algebra 2)
-or-
(A- or better in Alg 2A <u>with</u> teacher recommendation <u>and</u> summer work from Math Program Administrator)</td><td colspan="2">AP Calculus BC
(B+ or better in Honors Precalculus)</td><td colspan="2">Honors Advanced Calculus
(BC Calculus <u>and</u> teacher rec.)

AP Statistics
(B or better in Precalculus <u>and</u> teacher rec.)</td></tr>
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GHS Computer Science Course Sequence 2018-2019

Year 1	Year 2	Year 3	Year 4
Introduction to Computer Programming A -OR- **Introduction to Computer Programming B** *Students may take EITHER or BOTH of these one semester courses. The only prerequisite is that the student has successfully completed Algebra 1)	**JavaScript** **Computer Science Principles** (Successful completion of at least one of the Year 1 Intro to Computer Programming courses) **AP JavaScript** **Computer Science Principles** (Successful completion of at least one of the Year 1 Intro to Computer Programming courses AND Computer Science Teacher rec)	**AP Computer Science A** (Successful completion of either JavaScript Computer Science or AP JavaScript Computer Science Principles)	**Honors Computer Programming for Apps II** (Successful completion of AP Computer Science)
	Computer Programming for Applications (Successful completion of at least one of the Year 1 Intro to Computer Programming courses)	**Honors Computer Programming for Apps II** (Successful completion of Computer Programming for Applications)	**AP Computer Science A** (Successful completion of Honors Computer Programming for Apps II)