MATHEMATICS

* Course descriptions that are shaded are not being offered.
* Students are required to earn 4 credits of mathematics in the following areas:
* 1.5 credits in Algebra 1
* 1 credit of Geometry
* .5 -1 credit of Algebra 2
* .5 -1 credit of a math or math - related course in their senior year

 (Possible courses outside the math department are: Woods 1, Furniture Design & Construction, Engineering, Architectural Drawing, Accounting 1, Accounting 2, Personal Finance, Chemistry (if not used for Science credit), AP Chemistry ( if not used for Science credit), Physics (if not used for Science credit), AP Physics (if not used for Science credit) and enrollment in a CACC course.

**Algebra 1** 3 trimesters Grade Level: 9-12

Course # 1101 Prerequisites: None

 # 1102

 # 1103

Students will study number properties, linear functions, quadratic functions, exponential functions, and bivariate data.

**Algebra 2** 2 trimesters Grade Level: 10 – 12. 9th grade with teacher recommendation

Course # 1301 Prerequisites: Geometry

 # 1302

 Recommendation:

 C or better in

 Algebra 1

Students will continue their study of Algebra by modeling situations and solving equations and systems of rational, exponential, quadratic, trigonometric, and logarithmic functions.

**Geometry** 2 trimesters Grade Level: 9 – 12

Course # 1201 Prerequisites: Algebra 1

 # 1202

 Recommendation:

 C or better in

 Algebra 1

Students will study properties of and relationships between lines, polygons, and circles, as well as the effects of transformations on these geometric objects. Logical reasoning (proofs) will be used to verify properties previously learned and to make new connections.

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