





## COURSE SELECTION as of Jan '10

## Junior Choices in MATH

If you choose to take a 4<sup>th</sup> or 5<sup>th</sup> Math course, please be aware of the prerequisites for each course

1. Trigonometry/Analytic Geometry at least C+ in Algebra 2
2. Trigonometry/PreCalculus at least B in Algebra 2
3. Calculus at least B in Trig/PreCalculus
4. AP Calculus at least A- in Trig/PreCalc, teacher recommendation
5. Statistics at least C+ in Algebra 2

(Minimum Math Requirement is three courses.... Algebra 1, Algebra 2, and Geometry)

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**Trig/Analytic Geometry** does not involve as high a level of Mathematics as **Trig/PreCalc**

(Both are challenging courses, requiring abstract thinking, work and effort.)

It is intended for those who would like a 4<sup>th</sup> Math course (colleges like a 4<sup>th</sup> Math course) and do not necessarily wish to take Calculus in college.

**Statistics** is a basic high school statistics course, good preparation for nursing majors.

**Trig/PreCalculus** is a preparation for College Calculus.

\*\*\*\*\* Penn State MAIN CAMPUS requires Trigonometry class in high school.\*\*\*\*\*

## *Current Freshman*

Freshman Algebra 2 “A” or “A-“ can go to Honors Geometry

Freshman Algebra 2 “B+ or below“ must go to Regular Geometry

Freshman Algebra 1 “A” can choose one of the following:

1. double Algebra 2 and Honors Geometry
2. double Algebra 2 and Regular Geometry
3. take only Algebra 2
4. take only Regular Geometry
5. take Summer Geometry and roster for Algebra 2 in soph year

Freshman Algebra 1 “A” can not take Honors Geometry unless she is doubling with Algebra 2

Freshman Algebra 1 “A-” can choose to

1. double Algebra 2 and Regular Geometry
2. take only Algebra 2
3. take only Regular Geometry
4. take Summer Geometry and roster for Algebra 2 in sophomore year

Sophomore Algebra 2 (entering Junior year)

1. take Regular Geometry in Junior year
2. may take Summer Geometry (between Sophomore and Junior year )

and roster for

- Honors TrigPreCalc (*in Junior year*) if **at least A- in Algebra 2**  
(this is the “Junior” class designed toward taking (AP)Calc
- Regular Trig PreCalc (*in Junior year*) if **at least A- in Algebra 2**  
(this is the “Junior” class designed toward taking (AP)Calc