

PUHSD Math Matriculation Map 2014-2015

Incoming Freshman

Intro to HS summer school course to prepare for Alg 1

Different Entry point for students that are not at grade level

Newcomer Math (for refugees)

Intro to Algebra

Placed in Lab based on 7<sup>th</sup> grade AIMS or teacher recommendation

Placed in Lab based on Algebra teacher recommendation

Placed in Lab based on Geometry teacher recommendation

Algebra 1-2 lab

Algebra 1-2

Freshman Level

Algebra 1-2 H

Geometry lab

Geometry 1-2

Sophomore Level

Geometry 1-2 H

Algebra 3-4 lab

Algebra 3-4

Junior Level

Algebra 3-4 H

Algebra 4 Essentials (all students will take Algebra 3)

Senior Level

Some students enter 9<sup>th</sup> grade with Algebra and Geometry credit, so their entry point is further down the math matriculation levels

Acc to Calc H : Summer School course to accelerate students to Calc

Principles of Math Technology 1-2

Pre-Calculus (non-honors)

Trigonometry 1-2

Discrete 1-2

AP Statistics

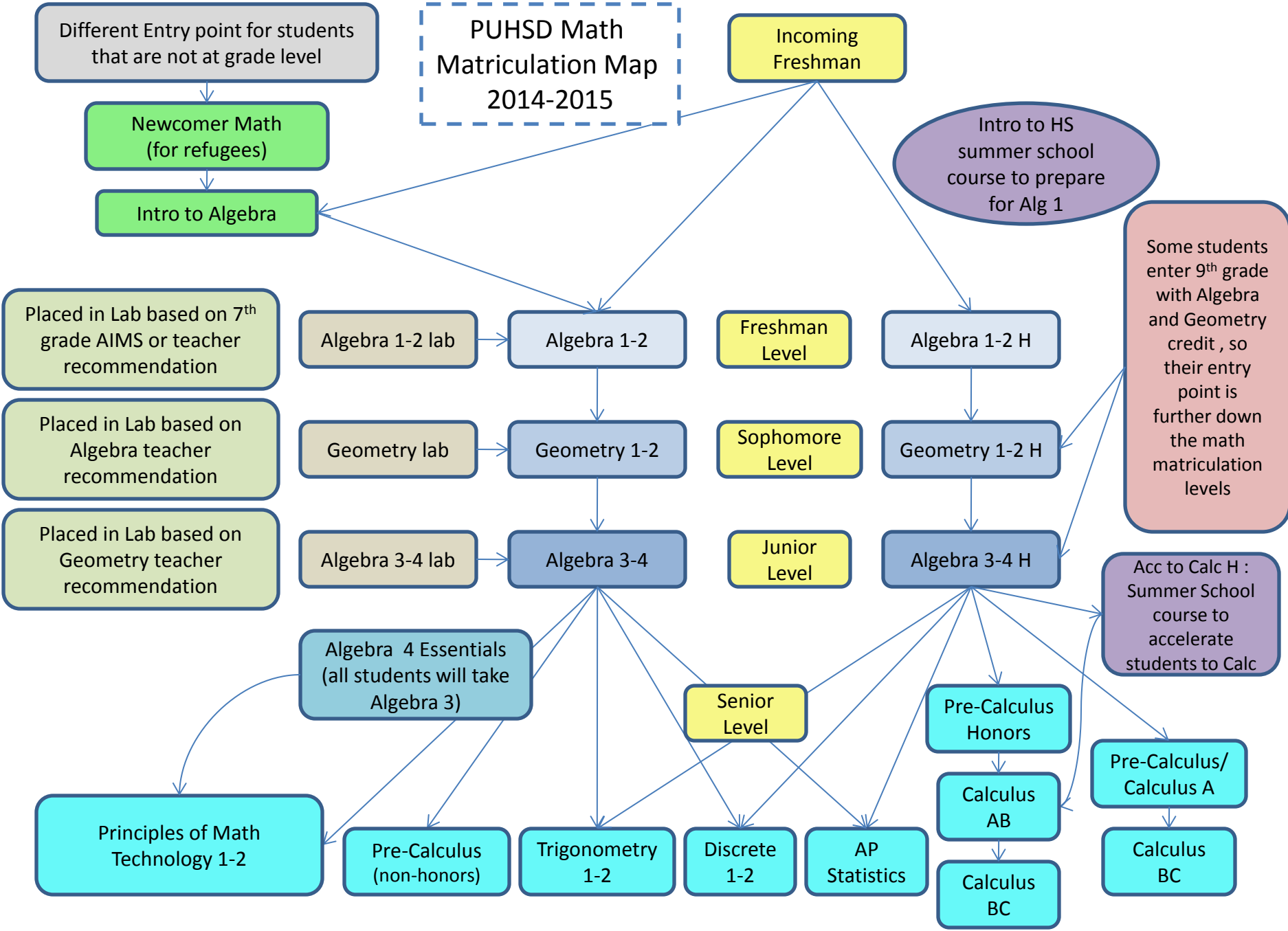
Pre-Calculus Honors

Calculus AB

Calculus BC

Pre-Calculus/Calculus A

Calculus BC



Students that want **Principles of Math Technology** are interested in: Community College or Vocational Post HS Experience

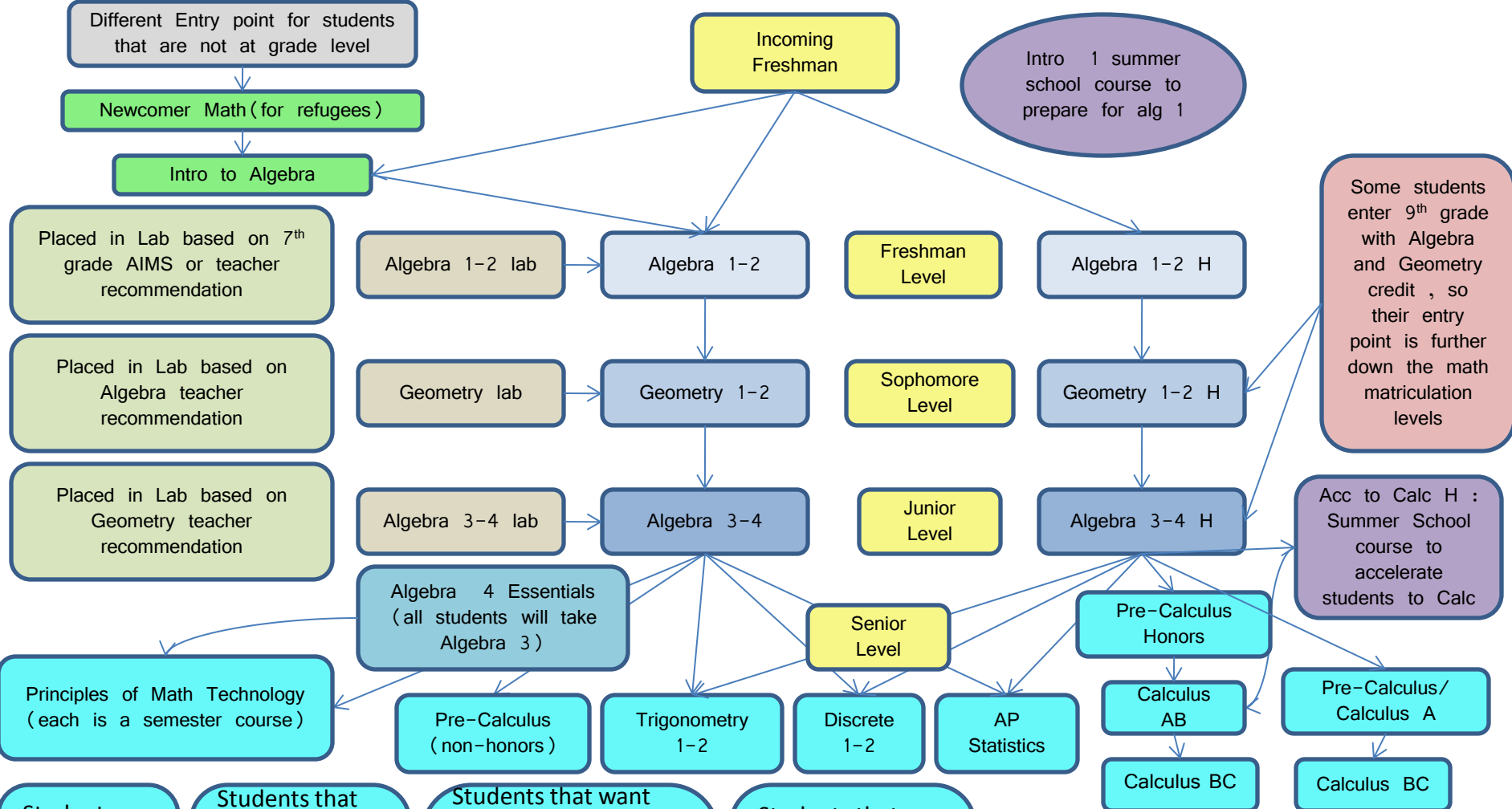
Students that want **Pre Calculus** are interested in: Calculus but have been in regular pathway in grades 9-11, community college level math

Students that want **Discrete Math** are interested in: Any non-technical majors (English, History)  
Needed student skills:  
-interest in computer programming  
-average in Algebra  
-Able to think outside normal procedures  
-problem solver

Students that want **Trigonometry** are interested in: Architecture, Construction, Engineering  
Needed student Skills:  
-Average in Algebra but want to pursue College Algebra as an entry level math course

Students that want **AP Statistics** are interested in: Business, Psychology; Social Sciences; and any Medical field  
Needed student skills:  
-Average Math Skills  
-Good at writing  
-Good with technology (calculator)

Students that want **AP Calculus** are interested in: Any technical majors including STEM, Business, Geology  
Needed student skills:  
-Successful in Algebra  
-Good with technology (calculator)  
-Computational Skills  
-Ability to perform non-routine mathematics to real life problems.



Students that want this path are interested in: Community College or Vocational Post HS Experience

Students that want this path are interested in: Calculus but have been in regular pathway in grades 9-11, community college level math

Students that want this path are interested in: Architecture, Construction, Engineering  
 Needed student Skills: -Average in Algebra but want to pursue College Algebra as an entry level math course

Students that want this path are interested in: Any non-technical majors (English, History)  
 Needed student skills: -interest in computer programming

Students that want this path are interested in: Business, Psychology; Social Sciences; and any Medical field  
 Needed student skills: -Average Math Skills

Students that want this path are interested in: Any technical majors including STEM, Business, Geology  
 Needed student skills: -Successful in Algebra -Good with technology (calculator) -Computational Skills