MATHEMATICS PATHWAY, PLACEMENT and PREREQUISITE CHART

All Mathematics courses require a grade of "C" or higher to progress to the next level.

IVC Graduation Requirement - Completion of any transfer level math course with a grade of "C" or better.

Mathematics Pathways: Statistics and Liberal Arts Math (SLAM), Business, Science Technology, Engineering and Math (BSTEM)

MATHEMATICS PATHWAYS, TRANSFER LEVEL COURSES and SUPPORT COURSES

SLAM Mathematics Pathways

STAT C1000/ MATH 019 Intro to Stat/ **Elem Stats**

MATH 112/012 Geometry in Elem Math 3.0 +1 Units

MATH 110/010

Number Sys

in Elem Math

3.0 +1 Units

MATH 114 Chid Mth Thnk 1.0 Unit

MATH 140/042 Trigonometry 3.0 + 1 Units

4.0 + 1 Units

MATH 122/022 Finite Math 3.0 +1 Units

College Alg 40 + 1 Units

MATH 150/050

MATH 190/094 **Pre-Calculus** 5.0 + 1Units

BSTEM Mathematics Pathways

MATH 105 Math for **Tech Fields** 3.0 Units

STAT C1000/ MATH 019 Intro to Stat/ **Elem Stats** 4.0 + 1 Units

MATH 170/072 MATH 192/096 Intro Calculus Calculus I w/Appls 4.0 + 1 Units 4.0 + 1 Units

MATH 194

Calculus II

4.0 Units

MATH 240 Discrete Math 3.0 Units

MATH 210 Calculus III 4.0 Units

MATH 220 Differential Equations 3.0 Units

MATH 230 Linear Algebra 3.0 Units

AB 705 and AB 1705

Identify the mathematics pathway and select the course that is appropriate for your major. Consult a counselor about your educational plan.

SLAM Mathematics Pathways:

Students may enroll directly in the courses highlighted in solid gray. An additional support course is available for all highlighted courses.

BSTEM Pathway:

Students may enroll directly in the courses highlighted in solid gray. An additional support course is available for all highlighted courses.

STEM Calculus I Pathway:

Level I (Math 192)

Students who have successfully completed Integrated Math 4, Trigonometry, Pre-calculus, or Math Analysis with a "C" or higher can access Calculus I (Math 192) directly and may not be placed at a lower level. Students may enroll in Math 192 with or without support (Math 096).

Level II (Math 190)

Students who have completed Integrated Math 3 or Intermediate Algebra or Algebra II are eligible to take Math 190 - Pre-calculus (one semester before Calculus I) or may enroll directly in Math 192. Students may enroll in Math 190 or Math 192 with or without support (Math 094 or Math 096).

Level III (Math 150 + 140)

Students who have not completed Integrated Math 3, Intermediate Algebra, or Algebra II are eligible to take Math 150/140 and follow the two-semester sequence (Math 150 + Math 140) to Math 192 - Calculus I. Students may enroll in Math 140, Math 150, or Math 192 with or without support (Math 042, Math 050, or Math 096).

Students who have completed high school calculus but not earned college credit (AP or IB) must enroll in MATH 192 to receive college credit. However, they can use completed high school calculus to fulfill a Calculus I prerequisite in courses outside the mathematics discipline. Consult a counselor.

STAT C1000 can be used on either the SLAM or BSTEM pathways. Completed high school courses reflect two semester grades of C or higher.