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 BSTEM Mathematics Pathways MATH 110/010 **MATH 105** MATH 119/019 MATH 150/050 MATH 140/042 MATH 119/019 **Number Sys** Math for **Elem Stats** College Alg **Trigonometry** Elem Stats in Elem Mth **Tech Fields** 4.0 + 1 Units 4.0 + 1 Units 3.0 + 1 Units 4 0 + 1 Units 3.0 +1 Units 3.0 Units MATH 122/022 MATH 112/012 MATH 170/072 MATH 190/094 Finite Math Geometry Intro Calculus Pre-Calculus in Elem Mth 3.0 +1 Units 5.0 + 1Units w/Appls 3.0 +1 Units 4.0 + 1 Units **MATH 114** MATH 192/096 **MATH 194** Chid Mth Thnk Calculus I Calculus II 1.0 Unit 4.0 + 1 Units 4.0 Units **MATH 210** AB 705 and AB 1705 **MATH 240** Calculus III Identify the mathematics pathway and select the course that is appropriate for your **Discrete Math** 4.0 Units major. Consult a counselor and your educational plan. 3 0 Units **SLAM Mathematics Pathways: MATH 220** Student may enroll directly into the courses highlighted in solid gray. An additional support course is available for all highlighted courses Differential **Equations** Students with a high school GPA 4.0 - 2.9 - no support recommended Students with a high school GPA 2.9 - 2.3 - support recommended 3.0 Units Students with a high school GPA 2.3 and below - support strongly recommended **BSTEM Pathway:** Student may enroll directly into the courses highlighted in solid gray. **MATH 230** Students may request placement into Math 170, 190 or 192 based on high school coursework and GPA as follows: Linear Algebra 3.0 Units o High school GPA greater than 3.4 - no support recommended o High school GPA of 2.3 or less and completed calculus - no support recommended

Notes:

Students completing high school calculus but not earning college credit, (AP or IB) must enroll in Math 192 for college credit but can use successfully completed high school calculus to clear a Calculus I prerequisite on courses outside the mathematics discipline. Consult a counselor.

Math 119 can be used on either the SLAM or BSTEM pathways.

High school GPA of 2.6 or less - additional support recommended
Enrolled in high school pre-calculus - additional support recommended

Successfully completed high school courses reflect two semester grades of C or higher.

o High school GPA less than 2.6 and no pre-calculus - support strongly recommended