How Much Math Do I Need?

Math 0055 Refresher (Non-course Based Remediation)
- The refresher is mandatory for FTIC students who place into Math 0305 – Math 0320.
- Currently enrolled SPC students may register for 1 refresher.
- Student’s score on the Math Exit Exam (administered during the refresher course) will be used to update the student’s math placement.

ALAMO PREP - Math 0305 Pre-algebra (Developmental)
This course is a computer-based course. Students have the ability to accelerate through all developmental courses.
- A student who completes Math 0305 & 0310 in this course can register for Math 0320, 1332, or 1442.
- A student who completes Math 0305, 0310, & 0320 in this course can register for Math 1314, 1324, or 1414.

Math 1333 College Mathematics (College Level) - Some AAS degrees only

ALAMO READY - Math 0310 Elementary Algebra (Developmental)

Math 1332 Liberal Arts Mathematics (College Level)
This is a terminal class

Math 1442 Elementary Statistics (College Level)
This is a terminal class

ALAMO READY - Math 0320 Intermediate Algebra (Developmental)
Prereq for Math 1314, 1324, & 1414

Math 1314 College Algebra (College Level)
*Cannot be used as a prerequisite for Math 2412

Math 1324 Math for Business & Social Sciences I (College Level)
*Cannot be used as a prerequisite for Math 2412

Math 1414 College Algebra for STEM Students (College Level)
*This is the prerequisite for Math 2412

Math 1350 Fundamentals of Mathematics for Teachers I (College Level)

Math 1325 Math for Business & Social Sciences II (College Level)
*Students with an A in Math 1314 may take this course
*Students with an C in Math 1324 may take this course
*Students with an C in Math 1414 may take this course

Math 2412 Pre-Calculus (College Level)

Math 2413 Calculus I (College Level)

See Math & Engineering Track on reverse side
Mathematics Placement Chart

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Math TSI Score</th>
<th>MATH Exit Exam</th>
<th>ACCUPLACER</th>
<th>THEA-IBT</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 0305 (Pre-Algebra)</td>
<td>310-336</td>
<td>10</td>
<td>EAR &lt; 50</td>
<td>≤ 179</td>
</tr>
<tr>
<td>MATH 0310 (Begin. Alg)</td>
<td>337-342</td>
<td>20</td>
<td>EAR 50 – 69</td>
<td>180-229</td>
</tr>
<tr>
<td>MATH 0320 (Inter. Alg)</td>
<td>343-349</td>
<td>30</td>
<td>EAR 70 – 85</td>
<td>230-269</td>
</tr>
<tr>
<td>MATH 1333 (SPC Only)**</td>
<td>337-390</td>
<td>20</td>
<td>EAR ≥ 41 and</td>
<td>≥ 140</td>
</tr>
<tr>
<td>MATH 1332</td>
<td>343-390</td>
<td>30</td>
<td>EAR ≥ 70</td>
<td>230-269</td>
</tr>
<tr>
<td>MATH 1442</td>
<td>343-390</td>
<td>30</td>
<td>EAR ≥ 70</td>
<td>≥ 230</td>
</tr>
<tr>
<td>MATH 1314, 1414, 1324</td>
<td>350-390</td>
<td>50</td>
<td>EAR ≥ 86</td>
<td>≥ 270</td>
</tr>
<tr>
<td>MATH 1316, 2412</td>
<td>N/A</td>
<td>N/A</td>
<td>CLM ≥ 85</td>
<td>N/A</td>
</tr>
<tr>
<td>MATH 2413 or higher</td>
<td>N/A</td>
<td>N/A</td>
<td>CLM ≥ 103 AND permission from Math Dept.</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Engineering Track (see Advising Guide)
- ENGR 1201 Introduction to Engineering (Math 1414 prereq)
- Math 2414 Calculus II (Math 2413 prereq)
- Select 9 hours from:
  - CHEM 1411 - General Chemistry I
  - CHEM 1412 - General Chemistry II
  - ENGR 1304 - Engineering Graphics I
  - ENGR 2105 - Electrical Circuits I Lab
  - ENGR 2301 - Mechanics I: Statics
  - ENGR 2302 - Mechanics II: Dynamics
  - ENGR 2305 - Electrical Circuits I
  - MATH 2318 - Linear Algebra
  - MATH 2320 - Differential Equations
  - MATH 2415 - Calculus III
  - # CHEM 1111 - General Chemistry Lab
  - # CHEM 1112 - General Chemistry Lab
  - # CHEM 1311 - General Chemistry
  - # CHEM 1312 - General Chemistry Lecture II
  - # ENGR 1307 - Plane Surveying
  - # ENGR 1407 - Plane Surveying
  - # ENGR 2303 - Engineering Mechanics - Statics and Dynamics
  - # ENGR 2304 - Computer Programming for Engineering Applications
  - # ENGR 2403 - Engineering Mechanics - Statistics and Dynamics
  - # ENGR 2407 - Fundamentals of Circuit Analysis (Lecture + Lab)

# - Offered at other Alamo Colleges

Mechanical Engineering Track (see Advising Guide)
- CHEM 1411 - General Chemistry I
- COEC 1336 - Programming Fundamentals I
- ENGR 1201 - Introduction to Engineering
- ENGR 1304 - Engineering Graphics I
- ENGR 2301 - Mechanics I: Statics
- ENGR 2302 - Mechanics II: Dynamics
- ENGR 2305 - Electrical Circuits I
- ENGR 2105 - Electrical Circuits I Laboratory
- MATH 2320 - Differential Equations
- MATH 2414 - Calculus II
- MATH 2415 - Calculus III

Mathematics Track (see Advising Guide)
- Select 1 course from:
  - MATH 2318 - Linear Algebra
  - MATH 2320 - Differential Equations
  - MATH 1442 – Elementary Statistics

Math 2413 Calculus I (College Level)
Math 2414 Calculus II (College Level)
Math 2415 Calculus III (College Level)
Math 2318 Linear Algebra (College Level)
Math 2320 Differential Equations (College Level)