

Enrolling in Mathematics Courses

These pages are a guide to enrolling in Mathematics courses at the University of Utah.

General Education requirements. One reason to enroll in a Mathematics course is to satisfy a General Education requirement, either QA, QB, or QR. (Satisfying a QR requirement is essentially equivalent to satisfying both the QA and the QB requirement.)

The final four pages of this document list some Mathematics courses that are commonly enrolled in. You'll see the QA, QB, or QR designations written next to the title of most of these courses. If a course is listed, but not designated as QA, QB, or QR, then it does not satisfy a General Education requirement.

MATH 1215 is a new course, and it has yet to receive University approval to satisfy a General Education requirement. We hope that will change soon. Please check with the instructor of MATH 1215 to see when that approval is expected. (Note that we do not expect to offer MATH 1215 in Spring 2022 or Summer 2022.)

Degree requirements. Some degree programs require students to complete specific Mathematics courses. Check with the requirements for your intended degree to see if there are any Mathematics courses that you'll need to complete.

Course content. A third reason to enroll in a Mathematics course is to learn mathematical principles or techniques that interest you. To see a list of topics covered in some of our most popular courses, see the *Course Materials* links at www.math.utah.edu/undergraduate/placement.php

Determining math preparedness. We've looked at some reasons why you might want to enroll in a Mathematics course. Before enrolling, you'll also want to make sure that you have the proper preparation to succeed in the course of your choice. The rest of this document will help you determine that.

Prerequisites for Mathematics courses. The prerequisites for Mathematics courses are listed in the University course catalog. Most Mathematics courses at the University of Utah have enforced prerequisites, meaning that

a student who has not satisfied the prerequisites for a course is not allowed to enroll in that course.

There are also Mathematics courses whose prerequisites are not enforced, meaning enrollment is open to all students, though we strongly advise students to exercise some caution, and spend some time learning whether they're prepared to enroll in a course before doing so.

Those courses which allow for open enrollment, courses whose prerequisites are not enforced, are MATH 980, 1010, 1030, 1040, 1050, 1060, 1070, 1080, 1090, 1100, 1170, 1210, 1215, 1310, 2000, and 4010. We'll call these courses the "Entry 16". There's more detailed information about these courses at www.math.utah.edu/undergraduate/placement.php and on the final pages of this document.

Open enrollment for the Entry 16 is in effect Summer 2021, Fall 2021, and Spring 2022. The enrollment policies for Fall 2022 and beyond have yet to be determined.

Potential sources of confusion. Since the open enrollment policy for the Entry 16 is quite new, there are many sources available through the University which do not reflect this policy. We are in the process of revising all outdated enrollment information for Mathematics courses, but it will take time to revise all of them, including the official University course catalog. Know that the policies described in this document are in effect for enrollment in Summer 2021, Fall 2021, and Spring 2022, regardless of what can be seen elsewhere.

Course specific prior learning requirements. Each of our Mathematics courses is designed for students who enter the course with a certain level of prior mathematics knowledge. For a list of what is expected of enrolling students in several of our classes, see the *Prior Learning Requirements* links at www.math.utah.edu/undergraduate/placement.php

Former prerequisites. The last four pages of this document list each course in the Entry 16. Below each course title is a list of former prerequisites. These are the prerequisites for the courses that had been enforced until April 2021. While these prerequisites are no longer enforced, you may find it useful to see if you would have qualified for enrollment under our previous enrollment policy. Satisfying any one of the former prerequisites for a course should give

you confidence that you're prepared to enroll in that course. You needn't satisfy all of the former prerequisites. One is enough.

One of the former prerequisites listed is an Accuplacer score. All students are allowed to schedule a free Accuplacer Exam with the University Testing Center. You can use your score from that exam to help you determine which Entry 16 courses you're prepared to succeed in. Just compare your Accuplacer score with the Accuplacer scores listed as former prerequisites.

Enrollment videos. We've prepared five videos to help you determine which Mathematics courses would be good choices for you to enroll in. The first video, the "Overview" video, quickly describes common options for course enrollment. The remaining four videos — A, B, C, and D — are opportunities to assess your mathematics background, to help determine which Mathematics courses would be a good fit for you. Each of these videos takes several minutes to complete, and you may want to spread out viewing them over several days. Completing the videos, and making sure that you're positioned to succeed in your courses, will be worth your time.

Qualifying GPA. Under the former prerequisites listed for most courses on the following pages, there's also a "Qualifying GPA". This is not a prerequisite. Rather, if you'd like to enroll in a specific Entry 16 course, and if you feel reasonably confident that you can succeed in that course despite not having any of the former prerequisites listed for that course, then having a GPA that meets, or exceeds, the qualifying GPA for that course should increase your level of confidence that you can be successful in that course.

Where to send questions. For more information about enrolling in Mathematics courses, please contact the undergraduate Mathematics advisors www.math.utah.edu/undergraduate/advising.php

The Entry 16 Mathematics Courses

MATH 980 **Algebra for College Success**

No Former Prerequisites

MATH 1010 **Intermediate Algebra**

Former Prerequisites:

- C or better in MATH 980
- 245+ in Accuplacer QAS
- 18+ in ACT Math
- 470+ in SAT Math

Qualifying GPA: 3.2

MATH 1030 (QA) **Intro to Quant. Reasoning**

Former Prerequisites:

- C or better in MATH 980 or 1010
- 250+ in Accuplacer QAS
- 19+ in ACT Math
- 500+ in SAT Math

Qualifying GPA: 3.2

MATH 1040 (QB) **Intro to Stats and Prob.**

Former Prerequisites:

- C or better in MATH 980, or 1010, 1030, 1050, 1070, 1080, or 1090
- 235+ in Accuplacer AAF
- 22+ in ACT Math
- 550+ in SAT Math

Qualifying GPA: 3.2

MATH 1050 (QA)
College Algebra

Former Prerequisites:

- C or better in MATH 1010, 1060, 1080, or 1090
- 245+ in Accuplacer AAF
- 23+ in ACT Math
- 570+ in SAT Math

Qualifying GPA: 3.35

MATH 1060 (QA)
Trigonometry

Former Prerequisites:

- C or better in MATH 1050
- 263+ in Accuplacer AAF
- 5+ in IB SL Math

Qualifying GPA: 3.5

MATH 1070 (QB)
Intro to Stats Inference

Former Prerequisites:

- C or better in MATH 1010, 1030, 1040, 1050, 1080, or 1090
- B or better in MATH 980
- 235+ in Accuplacer AAF
- 22+ in ACT Math
- 550+ in SAT Math
- 5+ in IB SL Math

Qualifying GPA: 3.35

MATH 1080 (QA)
Precalculus

Former Prerequisites:

- B or better in MATH 1010, 1050, or 1060
- 250+ in Accuplacer AAF
- 24+ in ACT Math
- 580+ in SAT Math

Qualifying GPA: 3.35

MATH 1090 (QA)
Business Algebra

Former Prerequisites:

- C or better in MATH 980, 1010, or 1030
- 240+ in Accuplacer AAF
- 23+ in ACT Math
- 570+ in SAT Math

Qualifying GPA: 3.35

MATH 1100 (QR)
Business Calculus

Former Prerequisites:

- C or better in MATH 1050, 1080, 1090, or 1210
- 263+ in Accuplacer AAF
- 28+ in ACT Math
- 650+ in SAT Math
- 5+ in IB Math

Qualifying GPA: 3.75

MATH 1170 (QR)
Calculus for Biologists I

Former Prerequisites:

- C or better in MATH 1080 or in both 1050 and 1060
- 276+ in Accuplacer AAF
- 28+ in ACT Math
- 650+ in SAT Math
- 3+ in AP Calculus AB

Qualifying GPA: 3.75

MATH 1210 (QR)
Calculus I

Former Prerequisites:

- C or better in MATH 1080 or in both 1050 and 1060
- 276+ in Accuplacer AAF
- 28+ in ACT Math
- 650+ in SAT Math
- 3+ in AP Calculus AB

Qualifying GPA: 3.75

MATH 1215
Calculus I and Trig

Former Prerequisites:

- B or better in MATH 1050
- 270+ in Accuplacer AAF
- 26+ in ACT Math
- 630+ in SAT Math

Qualifying GPA: 3.5

MATH 1310 (QR)
Engineering Calculus I

Former Prerequisites:

- C or better in MATH 1080 or in both 1050 and 1060
- 276+ in Accuplacer AAF
- 28+ in ACT Math
- 650+ in SAT Math
- 3+ in AP Calculus AB

Qualifying GPA: 3.75

MATH 2000 (QA)
Algebraic Reasoning

Former Prerequisites:

- C or better in MATH 1010
- 245+ in Accuplacer AAF
- 23+ in ACT Math
- 570+ in SAT Math

Qualifying GPA: 3.35

MATH 4010 (QR)
Math for Elementary I

Former Prerequisites:

- C or better in MATH 2000, 2015, or 1050
- B- or better in MATH 1010
- 250+ in Accuplacer AAF
- 24+ in ACT Math
- 580+ in SAT Math

Qualifying GPA: 3.35