

MATHEMATICS COURSE PLACEMENT

For most students, initial math placement is determined by their ACCUPLACER test scores. For others, it may depend on transfer credit or scores on the COMPASS, former CMAT, high school Regents, SAT, or Advanced Placement (AP) exams.

ACCUPLACER CUT-OFF SCORES FOR MATHEMATICS PLACEMENT (Effective Spring 2017)

| Math Placement | Elementary Algebra Module | College-Level Math Module |
|------------------|---------------------------|---------------------------|
| MTH 1 | 20-39 | N/A |
| MTH 5 | 40-56 | N/A |
| MTH 21 or MTH 23 | 57-120 | N/A |
| MTH 6 | 57-120 <i>OR</i> | 20-64 |
| MTH 13 or MTH 30 | N/A | 65-94 |
| MTH 31 | N/A | 95-120 |

CUNY MATH EXEMPTIONS (Effective Spring 2017)

CUNY Math Proficiency (placement out of MTH 5) may be demonstrated by one of the following exemptions. All students with exemptions should meet with an advisor. Those with SAT, ACT, and Regents scores that exempted them from MTH 5 should take the College-Level Math module of the ACCUPLACER.

- **SAT** Math Section score of 530 or higher (exam date March 2016 and thereafter)
Math score of 500 or higher (exams taken prior to March 2016)

- **ACT** Math score of 21 or higher

• NY State Regents

• Common Core Regents¹:

- Algebra I score of 70 or higher *OR*
- Geometry score of 70 or higher *OR*
- Algebra 2/Trigonometry score of 65 or higher

(Scoring at least 70 in all three of these exempts a student from the MTH 6 course.)

• Non-Common Core Regents¹:

- Integrated Algebra score of 80 or higher *OR*
- Geometry score of 80 or higher *OR*
- Algebra 2/Trigonometry score of 80 or higher

(Scoring at least 80 in all three of these exempts a student from the MTH 6 course.)

• Score of 75 or higher in

- Math A or Math B *OR*
- Sequential II or Sequential III

(Scoring at least 75 on Math B or Sequential III also exempts a student from MTH 6.)

• Prior College-Level Work

- Students who transfer in math college credit are CUNY Math Proficient.
- AP Exams scores of 4 or 5 have the following course equivalencies:
 - Calculus AB = MTH 31
 - Calculus BC = MTH 32
 - Statistics = MTH 23

¹ Common-Core and Non-Common-Core Regents are distinguished in CUNYFirst. Names of Common-Core Regents end with 'CC' (such as ALGCC, GEOCC and TRGCC), while names of Non-Common Core Regents do not end in 'CC' (such as ALGEB, GEOM and TRIG).

Exemption Examinations

Qualified students may take exemption examinations for all courses offered by the Mathematics and Computer Science Department upon application to the department. A grade of C or better will qualify for exemption.

MATHEMATICS COURSE PLACEMENT

For most students, initial math placement is determined by their COMPASS test scores. For others, it may depend on transfer credit or scores on the former CMAT, high school regents, SAT, or advanced placement (AP) exams.

COMPASS CUT-OFF SCORES FOR MATHEMATICS PLACEMENT

This will tell you which course may be skipped. Refer to the preceding page called “Mathematics Sequence by Curriculum” for the appropriate course for your major.

Effective spring 2017, Accuplacer will be used as the math placement exam. Refer to the BCC web site for cut-off scores for Accuplacer.

| Place OUT of: | Arithmetic (M1) (pre-algebra) | Algebra (M2) | College Algebra (M3) | Geometry (S4) | Trigonometry (S5) |
|--------------------|----------------------------------|--------------|----------------------|---------------|-------------------|
| MTH 1 | M1 \geq 35 OR M2 \geq 30 | | N/A | N/A | N/A |
| MTH 5 | N/A | \geq 40 | N/A | N/A | N/A |
| MTH 6* | N/A | \geq 45 | N/A | N/A | \geq 30 |
| MTH 13 or MTH 30** | N/A | \geq 45 | \geq 45 | N/A | \geq 40 |

* Students exempt from MTH 5 who wish to place out of MTH 6 but who did not take the S5 portion of the COMPASS may apply to take a trigonometry exemption test at the Department of Mathematics and Computer Science.

** **NOTE:** If students have taken advanced algebra in high school and wish to take MTH 31, then they may place out of MTH 30 by taking an exemption examination administered by the Department of Mathematics and Computer Science.

HIGH SCHOOL EQUIVALENCY: ACT SCORE $>$ 21, SAT SCORE $>$ 500, OR REGENTS SCORE \geq 80 AND ALG2/TRIG

The regents exams are Integrated Algebra, Geometry and Algebra 2/Trigonometry.

Students can demonstrate CUNY Math Proficiency (place out of MTH 5) by scoring an 80 or higher on any of the three regents math exams and successfully completing the Algebra 2/Trigonometry (or higher) course.

A student may place out of MTH 6 by passing all three regents exams with a score of 80 or above. For the former regents sequences:

- Students place out of MTH 5 with a score of at least 75 on Seq Math II (SMQII): MQ3 and MQ4, or Math A.
- Students place out of MTH 6 with a score of at least 75 on Seq Math III (SMQIII): MQ5 and MQ6, or Math B.

PRIOR COLLEGE-LEVEL COURSE WORK

Any math class that BCC accepts for transfer exempts that student from at least MTH 05, regardless of any COMPASS placement score. Scores of 4 or 5 on these AP exams have the following course equivalencies:

- Calculus AB = MTH 31
- Calculus BC = MTH 32
- Statistics = MTH 23.

~~EXEMPTION EXAMINATIONS~~

~~Qualified students may take exemption examinations for all courses (except MTH 5) offered by the Mathematics Department upon application to the department. In general, a grade of B+ or better is required for exemption with credit. A passing grade less than B+, but C or better, will qualify for exemption without credit.~~

Exemption Examinations

Qualified students may take exemption examinations for all courses offered by the Mathematics and Computer Science Department upon application to the department. A grade of C or better will qualify for exemption.