

Mathematics Courses

| CREDIT | COURSE | COURSE TITLE | PREREQUISITE | GRADE(S) |
|--------|--------|--|--|----------|
| 0.5 | 4000 | Algebra of Lines, S1 ¹ | Pre-Algebra or Linear Algebra | 9-12 |
| 0.5 | 4002 | Algebra of Lines, S2 ¹ | | 9-12 |
| 0.5 | 4004 | Quadratic Algebra, S1 | C or better in Algebra of Lines | 9-12 |
| 0.5 | 4006 | Quadratic Algebra, S2 | | 9-12 |
| 0.5 | T4004 | Quadratic Algebra, part 1, Tonka Online Select Term: T4004S / T4004F / T4004W | | 9-12 |
| 0.5 | T4006 | Quadratic Algebra, part 2, Tonka Online Select Term: T4006S / T4006F / T4006W | | 9-12 |
| 0.5 | 4012 | Geometry, S1 | Successful completion of Quadratic Algebra or 8 th grade Algebra | 9-12 |
| 0.5 | 4014 | Geometry, S2 | | 9-12 |
| 0.5 | T4012 | Geometry, part 1, Tonka Online Select Term: T4012S / T4012F / T4012W | | 10-12 |
| 0.5 | T4014 | Geometry, part 2, Tonka Online Select Term: T4012S / T4014F / T4014W | | 10-12 |
| 0.5 | 4016 | Honors Geometry, S1 | B+ or better in Quadratic Algebra or 8 th grade Algebra | 9-12 |
| 0.5 | 4018 | Honors Geometry, S2 | | 9-12 |
| 0.5 | 4020 | Higher Algebra, S1 | Successful completion of Quadratic Algebra and Geometry or teacher recommendation. | 9-12 |
| 0.5 | 4022 | Higher Algebra, S2 | | 9-12 |
| 0.5 | T4020 | Higher Algebra, part 1, Tonka Online Select Term: T4020S / T4020F / T4020W | | 9-12 |
| 0.5 | T4022 | Higher Algebra, part 2, Tonka Online Select Term: T4022S / T4022F / T4022W | | 9-12 |
| 0.5 | 4024 | Honors Higher Algebra, S1 | B+ or better in Geometry, B or better in Honors Geometry, or teacher recommendation. | 9-12 |
| 0.5 | 4026 | Honors Higher Algebra, S2 | | |
| 0.5 | T4024 | Honors Higher Algebra, part 1, Tonka Online Select Term: T4024S / T4024F / T4024W | | |
| 0.5 | T4026 | Honors Higher Algebra, part 2, Tonka Online Select Term: T4026S / T4026F / T4026W | | |
| 0.5 | 4028 | Functions, Stats & Trig, S1 | Successful completion of Higher Algebra | 9-12 |
| 0.5 | 4030 | Functions, Stats & Trig, S2 | | |
| 0.5 | T4028 | Functions, Stats & Trig, part 1, Tonka Online Select Term: T4028S / T4028F / T4028W | | |
| 0.5 | T4030 | Functions, Stats & Trig, part 2, Tonka Online Select Term: T4030S / T4030F / T4030W | | |

¹ Per state statute, Algebra of Lines and the first semester of Algebra I do not count toward math credits; elective credit only.

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|--------------------------|------------------------------------|--|--|----------|
| 0.5 | T7208S | Functions, Statistics and Trigonometry (AP Statistics Prep), Tonka Online, Summer only | Successful completion of Higher Algebra | 10-12 |
| 0.5 | T7210S | Functions, Statistics and Trigonometry (Pre-Calculus Prep), Tonka Online, Summer only | Successful completion of Higher Algebra | 9-12 |
| 0.5 | T7210S | Precalculus Prep: Functions, Statistics & Trigonometry Summer only, Tonka Online | Successful completion of Higher Algebra or Higher Algebra Honors | 9-12 |
| 0.5 0.5 | 4032 4034 T4032 T4034 | Pre-Calculus, S1 Pre-Calculus, S2 Pre-Calculus, part 1, Tonka Online Select Term: T4032S / T4032F / T4032W Pre-Calculus, part 2, Tonka Online Select Term: T4034S / T4034F / T4034W | B+ or better in Higher Algebra or B or better in Higher Algebra Honors or Functions, Stats & Trig or FST | 9-12 |
| 0.5 0.5 0.5 0.5 | 4036 4038 T4036 T4038 | Pre-Calculus Honors, S1 Pre-Calculus Honors, S2 Pre-Calculus Honors, part 1, Tonka Online Select Term: T4036S / T4036F / T4036W Pre-Calculus Honors, part 2, Tonka Online Select Term: T4038S / T4038F / T4038W | A in Higher Algebra or B+ or better in Higher Algebra Honors | 9-12 |
| 0.5 0.5 | IB400 IB402 | IB Math Analysis & Approaches SL, S1 IB Math Analysis & Approaches SL, S2 | Successful completion of Honors Pre-Calculus or a B+ or better in Pre-Calculus | 10-12 |
| 0.5 0.5 | IB404 IB406 | IB Math Analysis & Approaches HL, S1 IB Math Analysis & Approaches HL, S2 | Successful completion of IB Math Analysis & Approach SL | 11-12 |
| 0.5 0.5 | IB408 IB410 | IB Math Applications and Interpretations SL, S1 IB Math Applications and Interpretations SL, S2 | Successful completion of FST or Pre-Calculus | 10-12 |
| 0.5 0.5 | IB412 IB414 | IB Math Applications and Interpretations HL, S1 IB Math Applications and Interpretations HL, S2 | Successful completion of IB Math Applications and Interpretations SL | 11-12 |
| 0.5 | T7208S | Pre-AP Statistics: Functions, Statistics & Trigonometry Summer only, Tonka Online | Successful completion of Higher Algebra or Higher Algebra Honors | 10-12 |
| 0.5 0.5 | 4040 4042 | Statistics, S1 Statistics, S2 | Successful completion of Higher Algebra (C or better) | 10-12 |

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|--------------------------|----------------------------------|--|--|----------|
| 0.5 0.5 0.5 0.5 | AP400 AP402 T4100 T4102 | AP Statistics, S1 AP Statistics, S2 AP Statistics, part 1, Tonka Online Select Term: T4100S /T4100F / T4100W AP Statistics, part 2, Tonka Online Select Term: T4102S /T4102F / T4102W | Successful completion (B- or better) of Math Studies, Functions, Stats & Trig, Pre-Calculus or teacher recommendation. | 10-12 |
| .5 | T4104 | Accelerated AP Statistics Summer and winter, Tonka Online | Successful completion (B- or better) of Math Studies, Functions, Stats & Trig, Pre-Calculus or teacher recommendation | 10-12 |
| 0.5 | T7206S | Pre-AP Calculus summer only, Tonka Online | Successful completion of Pre-Calculus. | 9-12 |
| 0.5 0.5 | 4044 4046 | Calculus, S1 Calculus, S2 | Successful completion of Pre-Calculus. | 10-12 |
| 0.5 0.5 | AP404 AP406 | AP Calculus AB, S1 AP Calculus AB, S2 | B or better in Pre-Calculus, Pre-Calculus Honors or Calculus | 10-12 |
| 0.5 0.5 | AP408 AP410 | AP Calculus BC, S1 AP Calculus BC, S2 | C or better in AP Calculus AB 2 or A- or better in Calculus. | 10-12 |
| 0.5 0.5 | 4048 4050 | Multivariable Calculus, S1 Multivariable Calculus, S2 | AP Calculus BC Semester 1 and 2; Passing score of 3, 4 or 5 on the AP Calculus BC exam or IB HL Mathematics Year 2 | 9-12 |
| 0.5 0.5 | 4052 4054 | Differential Equations and Linear Algebra, S1 Differential Equations and Linear Algebra, S2 | Multivariable Calculus | 10-12 |
| 0.5 0.5 | 4056 4058 | College Algebra, S1 College Algebra, S2 | Successful completion of Higher Algebra or Honors Higher Algebra | 9-12 |
| 2.0 | V100 | VANTAGE: Business Analytics (with AP Statistics) | Successful completion of Math Studies, Functions, Stats & Trig, Pre-Calculus or teacher recommendation. | 11-12 |
| 2.0 | M4056 M6456 M4058 M6458 | Mathematics in Home Renovation, S1 Mathematics in Home Renovation. S2 | None | 11-12 |