# Mathematics Courses

| CREDIT | COURSE | COURSE TITLE | PREREQUISITE | GRADE(S) |
|---|---|---|---|---|
| 0.5<br>0.5 | 4000<br>4002 | Algebra of Lines, S1[1]<br>Algebra of Lines, S2[1] | Teacher recommendation. Per state statute, neither semester counts toward math credit; elective credit only | 9-12<br>9-12 |
| 0.5<br>0.5 | 4008<br>4010 | Algebra I L, S1[1]<br>Algebra I Q, S2 | Successful completion of Pre-Algebra or Linear Algebra. S1 does not count toward math credit. | 9-12<br>9-12 |
| 0.5<br>0.5<br>0.5<br><br>0.5 | 4004<br>4006<br>T4004<br><br>T4006 | Quadratic Algebra, S1<br>Quadratic Algebra, S2<br>Quadratic Algebra, part 1, Tonka Online<br>Select Term: T4004F / T4004W<br>Quadratic Algebra, part 2, Tonka Online<br>Select Term: T4004F / T4006W | C or better in Algebra of Lines | 9-12<br>9-12<br>9-12<br>9-12 |
| 0.5<br>0.5<br>0.5<br><br>0.5 | 4012<br>4014<br>T4012<br><br>T4014 | Geometry, S1<br>Geometry, S2<br>Geometry, part 1, Tonka Online<br>Select Term: T4012F / T4012W<br>Geometry, part 2, Tonka Online<br>Select Term: T4014F / T4014W | Successful completion of Quadratic Algebra or 8th grade Algebra | 9-12<br>9-12<br>9-12<br>9-12 |
| 0.5<br>0.5 | 4016<br>4018 | Geometry Honors, S1<br>Geometry Honors, S2 | B or better in Quadratic Algebra or 8th grade Algebra | 9-12<br>9-12 |
| 0.5<br>0.5<br>0.5<br><br>0.5 | 4020<br>4022<br>T4020<br><br>T4022 | Higher Algebra, S1<br>Higher Algebra, S2<br>Higher Algebra, part 1, Tonka Online<br>Select Term: T4020F / T4020W<br>Higher Algebra, part 2, Tonka Online<br>Select Term: T4022F / T42022W | Successful completion of Quadratic Algebra and Geometry or teacher recommendation. | 9-12<br>9-12<br>9-12<br>9-12 |
| 0.5<br>0.5<br>0.5<br><br>0.5 | 4024<br>4026<br>T4024<br><br>T4026 | Higher Algebra Honors, S1<br>Higher Algebra Honors, S2<br>Higher Algebra Honors, part 1, Tonka Online<br>Select Term: T4024F / T4024W<br>Higher Algebra Honors, part 2, Tonka Online<br>Select Term: T4026F / T4026W | B or better in Geometry or teacher recommendation. | 9-12 |

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[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<br>0.5<br>0.5<br><br>0.5 | 4028<br>4030<br>T4028<br><br>T4030 | Functions, Stats & Trig, S1<br>Functions, Stats & Trig, S2<br>Functions, Stats & Trig, part 1, Tonka Online<br>Select Term: T4028S / T4028F / T4028W<br>Functions, Stats & Trig, part 2, Tonka Online<br>Select Term: T4030S / T4030F / T4030W | Successful completion of Higher Algebra | 11-12 |
| 0.5<br>0.5 | 4032<br>4034<br>T4032<br><br>T4034 | Pre-Calculus, S1<br>Pre-Calculus, S2<br>Pre-Calculus, part 1, Tonka Online<br>Select Term: T4032S / T4032F / T4032W<br>Pre-Calculus, part 2, Tonka Online<br>Select Term: T4034S / T4034F / T4034W | A- or better in Higher Algebra or B- or better in Higher Algebra Honors or Functions, Stats & Trig | 9-12 |
| 0.5<br>0.5<br>0.5<br><br>0.5 | 4036<br>4038<br>T4036<br><br>T4038 | Pre-Calculus Honors, S1<br>Pre-Calculus Honors, S2<br>Pre-Calculus Honors, part 1, Tonka Online<br>Select Term: T4036S / T4036F / T4036W<br>Pre-Calculus Honors, part 2, Tonka Online<br>Select Term: T4038S / T4038F / T4038W | A in Higher Algebra or B+ or better in Higher Algebra Honors | 9-12 |
| 0.5<br>0.5 | IB400<br>IB402 | IB Math Analysis & Approaches SL, S1<br>IB Math Analysis & Approaches SL, S2 | Successful completion of Honors Pre-Calculus or a B+ or better in Pre-Calculus | 9-12 |
| 0.5<br>0.5 | IB404<br>IB406 | IB Math Analysis & Approaches HL, S1<br>IB Math Analysis & Approaches HL, S2 | Year 1: Successful completion of Honors Pre-Calculus or a B+ or better in Pre-Calculus<br>Year 2: IB Math Analysis & Approach SL | 11 |
| 0.5<br>0.5 | IB408<br>IB410 | IB Math Applications and Interpretations SL, S1<br>IB Math Applications and Interpretations SL, S2 | Successful completion of FST or Pre-Calculus | 10-12 |
| 0.5<br>0.5 | IB412<br>IB414 | IB Math Applications and Interpretations HL, S1<br>IB Math Applications and Interpretations HL, S2 | Year 1: Successful completion of FST or Pre-Calculus<br>Year 2: IB Math Applications & Interpretations SL | 11 |
| 0.5<br>0.5 | 4040<br>4042 | Statistics, S1<br>Statistics, S2 | Successful completion of Higher Algebra (C or better) | 11 |

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|---|---|---|---|---|
| 0.5<br>0.5<br>0.5<br><br>0.5 | AP400<br>AP402<br>T4100<br><br>T4102 | AP Statistics, S1<br>AP Statistics, S2<br>AP Statistics, part 1, Tonka Online<br>Select Term: T4100S /T4100F / T4100W<br>AP Statistics, part 2, Tonka Online<br>Select Term: T4102S /T4102F / T4102W | Successful completion (B- or better) of Math Studies, Functions, Stats & Trig, Pre-Calculus or teacher recommendation. | 10-12 |
| .5 | T4104S | Accelerated AP Statistics | Successful completion (B- or better) of Math Studies, Functions, Stats & Trig, Pre-Calculus or teacher recommendation | 10-12 |
| 0.5 | T7206S | Pre-AP Calculus<br>summer only, Tonka Online | Successful completion of Pre-Calculus. | 10-12 |
| 0.5<br>0.5 | 4044<br>4046 | Calculus, S1<br>Calculus, S2 | Successful completion of Pre-Calculus. | 9-12 |
| 0.5<br>0.5 | AP404<br>AP406 | AP Calculus AB, S1<br>AP Calculus AB, S2 | B or better in Pre-Calculus, Pre-Calculus Honors or Calculus | 11-12 |
| 0.5<br>0.5 | AP408<br>AP410 | AP Calculus BC, S1<br>AP Calculus BC, S2 | C or better in AP Calculus AB 2 or A- or better in Calculus. | 11-12 |
| 0.5<br>0.5 | 4048<br>4050 | Multivariable Calculus, S1<br>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 | 12 |
| 0.5<br>0.5 | 4052<br>4054 | Differential Equations and Linear Algebra, S1<br>Differential Equations and Linear Algebra, S2 | IB Higher Level Mathematics (Year 1), AP Calculus AB | 9-12 |
| 2.0 | V100 | VANTAGE: Business Analytics (with AP Statistics) | Successful completion of Math Studies, Functions, Stats & Trig, Pre-Calculus or teacher recommendation. | 10-12 |

**Commented [IC1]:** Terms?