

IUPUI Department of Mathematical Sciences
Prerequisites for MATH/STAT courses
(Effective for Fall 2018 Registration)

MATH 11000 *Fundamentals of Algebra* (4 credits)

Prerequisite: An ALEKS placement score of 5 or greater taken within the last 12 months.

MATH 11100 *Algebra* (4 credits)

Prerequisite: MATH 11000 taken within last 3 terms with a grade of C or better or an ALEKS placement score of 40 or greater taken within last 12 months.

MATH M118 *Finite Mathematics* (3 credits)

Prerequisite: MATH 11000 or 11100 taken within last 3 terms with a grade of C- or better or an ALEKS placement score of 58 or greater taken within last 12 months.

MATH-M119 *Brief Survey of Calculus 1* (3 credits)

Prerequisite: MATH 11000 or 11100 taken within last 3 terms with a grade of C- or better or an ALEKS placement score of 58 or greater taken within last 12 months.

MATH 13000 *Mathematics for Elementary Teachers I* (3 credits)

Prerequisite: MATH 11000 or 11100 taken within last 3 terms with a grade of C- or better or an ALEKS placement score of 58 or greater taken within last 12 months. (Number systems)

MATH 13100 *Mathematics for Elementary Teachers II* (3 credits)

Prerequisite: MATH 13000 or 13600 taken within last 3 terms with a grade of C- or better or an ALEKS placement score of 58 or greater taken within last 12 months. (Number systems and probability)

MATH 13200 *Mathematics for Elementary Teachers III* (3 credits)

Prerequisite: MATH 13000 taken within last 3 terms with a grade of C- or better or an ALEKS placement score of 58 or greater taken within last 12 months. (Geometry and problem solving)

MATH 13600 *Mathematics for Elementary Teachers* (6 credits)

Prerequisite: MATH 11000 or 11100 taken within last 3 terms with a grade of C- or better or an ALEKS placement score of 58 or greater taken within last 12 months. (One semester version of MATH 13000 and 13200)

MATH 15300 *College Algebra* (3 credits)

Prerequisite: MATH 11100 (not MATH 11000) taken within last 3 terms with a grade of C or better or an ALEKS placement score of 62 or greater taken within last 12 months.

MATH 15400 *Trigonometry* (3 credits)

Prerequisite: MATH 15300 taken within last 3 terms with a grade of C or better.

MATH 15900 *Precalculus* (5 credits)

Prerequisite: MATH 11100 (not MATH 11000) taken within last 3 terms with a grade of B or better or an ALEKS placement score of 72 or greater taken within last 12 months. (One semester version of MATH 15300 and 15400)

MATH 16500 *Analytic Geometry & Calculus I* (4 credits)

Prerequisite: MATH 15900 (or MATH 15300 and 15400) taken within last 3 terms with a grade of C or better or an ALEKS placement score of 80 or greater taken within last 12 months.

MATH S165 *Honors Analytic Geometry & Calculus I* (4 credits)

Prerequisite: Precalculus or trigonometry and consent of instructor.

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MATH 16600 *Analytic Geometry & Calculus II* (4 credits)

Prerequisite: MATH 16500 taken within last 3 terms with a grade of C- or better.

MATH S166 *Honors Analytic Geometry & Calculus II* (4 credits)

Prerequisite: MATH S165 with a grade of B- or better or MATH 16500 with a grade of A- or better, and consent of instructor.

MATH 17100 *Multidimensional Mathematics* (3 credits)

Prerequisite: MATH 15900 (or MATH 15300 and 15400) taken within last 3 terms with a grade of C or better or an ALEKs score of 80 or greater taken within last 12 months.

MATH 22100 *Calculus for Technology 1* (3 credits)

Prerequisite: MATH 15900 (or MATH 15300 and 15400) taken within last 3 terms with a grade of C or better or an ALEKs score of 80 or greater taken within last 12 months. (Calculus for Technology)

MATH 22200 *Calculus for Technology 2* (3 credits)

Prerequisite: MATH 22100 or equivalent taken within last 3 terms with grade of C- or better.

MATH 23100 *Calculus for Life Sciences I* (3 credits)

Prerequisite: MATH 15900 (or MATH 15300 and 15400) taken within last 3 terms with a grade of C or better or an ALEKs score of 80 or greater taken within last 12 months. (Calculus for Life Sciences)

MATH 23200 *Calculus for Life Sciences II* (3 credits)

Prerequisite: MATH 23100 or equivalent taken within last 3 terms with grade of C- or better.

MATH 26100 *Multivariate Calculus* (4 credits)

Prerequisite: MATH 16500 and 16600 and 17100 with grades of C- or better.

MATH S261 *Honors Multivariate Calculus* (4 credits)

Prerequisite: MATH S166 with a grade of B or better or MATH 16600 with a grade of B or better, and consent of instructor.

MATH 26600 *Ordinary Differential Equations* (3 credits)

Prerequisite: MATH 16500 and 16600 and 17100 with grades of C- or better.

MATH 27600 *Discrete Mathematics* (3 credits)

Prerequisite or concurrent: MATH 16500.

STAT 30100 *Elementary Statistical Methods I* (3 credits)

Prerequisite: MATH 11000 or 11100 taken within last 3 terms with a grade of C or better or an ALEKs placement score of 58 or greater taken within last 12 months.

STAT 35000 *Introduction to Statistics* (3 credits)

Prerequisite: MATH 16600

Note: ALEKs placement test scores will be compared against SAT/ACT MATH scores. Additional testing may be required.