

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 the last 3 terms with a grade of C or better or an ALEKs placement score of 40 or greater taken within the last 12 months.

[MATH 118 Finite Mathematics \(3 credits\)](#)

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

[MATH 119 Brief Survey of Calculus 1 \(3 credits\)](#)

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

[MATH 13000 Mathematics for Elementary Teachers I \(3 credits\)](#)

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

[MATH 13100 Mathematics for Elementary Teachers II \(3 credits\)](#)

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

[MATH 13200 Mathematics for Elementary Teachers III \(3 credits\)](#)

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

[MATH 13600 Mathematics for Elementary Teachers \(6 credits\)](#)

Prerequisite: MATH 11000 or 11100 taken within the last 3 terms with a grade of C- or better or an ALEKs placement score of 58 or greater taken within the 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 the last 3 terms with a grade of C or better or an ALEKs placement score of 62 or greater taken within the last 12 months.

[MATH 15400 Trigonometry \(3 credits\)](#)

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

MATH 15900 Precalculus (5 credits)

Prerequisite: MATH 11100 (NOT MATH 11000) taken within the last 3 terms with a grade of B or better or an ALEKs placement score of 72 or greater taken within the 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 the last 3 terms with a grade of C or better or an ALEKs placement score of 80 or greater taken within the last 12 months.

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

Prerequisite: Precalculus or trigonometry and consent of instructor.

MATH 16600 Analytic Geometry & Calculus II (4 credits)

Prerequisite: MATH 16500 taken within the 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 the last 3 terms with a grade of C or better or an ALEKs score of 80 or greater taken within the last 12 months.

MATH 22100 Calculus for Technology 1 (3 credits)

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

MATH 22200 Calculus for Technology 2 (3 credits)

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

MATH 23100 Calculus for Life Sciences I (3 credits)

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

MATH 23200 Calculus for Life Sciences II (3 credits)

Prerequisite: MATH 23100 or equivalent taken within the last 3 terms with a 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 the last 3 terms with a grade of C or better or an ALEKS placement score of 58 or greater taken within the 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 score. Additional testing may be required.