

Course Catalog

Adaptive, individualized instruction within every course to meet students where they are

Every student has different needs, and to maximize results, we must meet them where they are. *ALEKS*® pinpoints what your students already know, what they don't, and most importantly, what they're ready to learn next. This allows you to optimize your class engagement by aligning your course objectives to the *ALEKS* course topics.

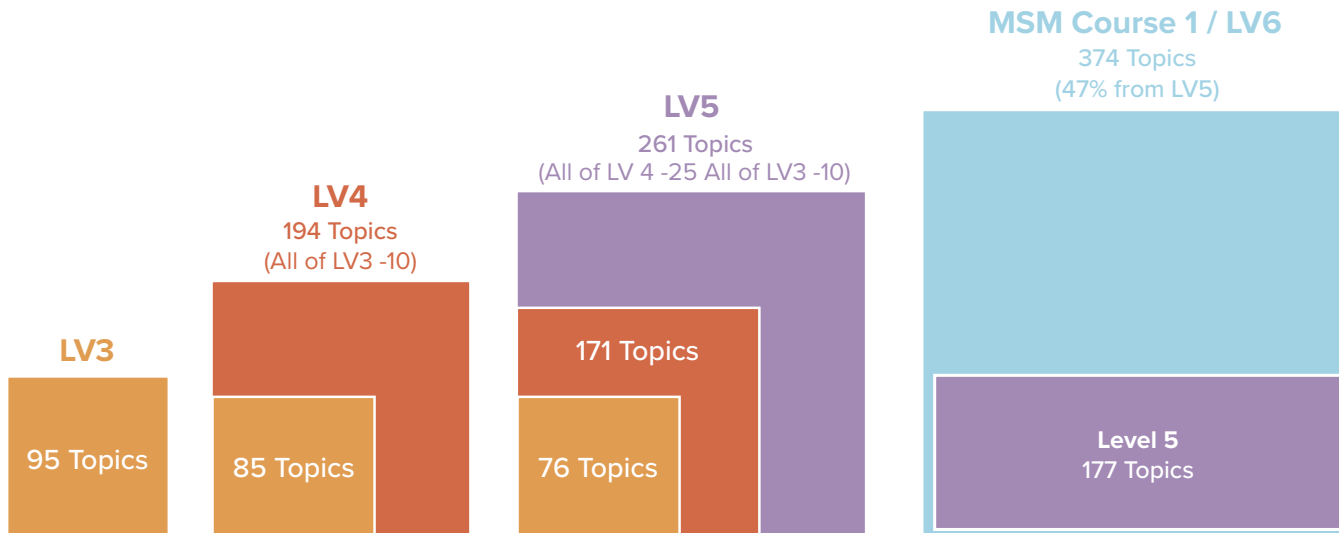
Within each course, *ALEKS* creates an optimized learning pathway for every student with an ongoing cycle of learning and assessment that provides real-time feedback. Rooted in research and analytics, *ALEKS* improves student outcomes by fostering better preparation, increased motivation, and knowledge retention.

Whether it's accessed from our single sign-on open learning platform or *ALEKS.com*, *ALEKS* provides you with a variety of courses that can be customized to meet the needs of you and your students. Every *ALEKS* course contains a concentrated wealth of topics pertaining directly to the content covered in the course, along with a variety of additional related and prerequisite topics that can be used to reinforce mathematical knowledge that will be expanded upon throughout the course.

Elementary Courses

ALEKS provides students in grades 3–12 with individualized digital math instruction that can be customized to align with your curriculum. Elementary-level courses feature a wide range of overlapping concepts to build and reinforce foundational skills that will become the prerequisite knowledge that students will need in middle school and high school.

Since every elementary level course features previous content included in subsequent courses, we recommend enrolling students according to their grade levels. Due to the overlap in concepts and topics, they will receive the skills necessary to fill any gaps as determined by the learning path. If your class includes third graders struggling to perform at or near grade level, we suggest starting with QuickTables only and consider facilitating the Initial Knowledge Check at the start of the second semester.



Course Offerings

QuickTables Only*

English/Spanish

Course Description: This math fact mastery program focuses on multiplication, division, addition, and subtraction for third grade and up.

Priority Standards Course LV3

(46 topics+194 additional topics)

Course Description: This course focuses exclusively on prerequisite topics and grade-level standards that will be critical to student success within the full grade-level course. Students can then move to the full grade level course to complete all grade level standards.

* (QuickTables is available with all regular K12 courses, but can be purchased separately for use without a regular course)

Mathematics - LV3 (with QuickTables)

English/Spanish

(95 topics + 145 additional topics)

Course Description: This course provides extensive coverage of the third-grade math standards in arithmetic, algebra, geometry, measurement, probability, and statistics. The *ALEKS* calculator is available for selected topics.

Priority Standards Course LV4

(98 topics+249 additional topics)

Course Description: This course focuses exclusively on prerequisite topics and grade-level standards that will be critical to student success within the full grade-level course. Students can then move to the full grade level course to complete all grade level standards.

Mathematics - LV4 (with QuickTables)

English/Spanish

(194 topics + 153 additional topics)

Course Description: This course provides extensive coverage of the fourth-grade math standards in arithmetic, algebra, geometry, measurement, probability, and statistics. The *ALEKS* calculator is available for selected topics.

Priority Standards Course LV5

(163 topics+ 356 additional topics)

Course Description: This course focuses exclusively on prerequisite topics and grade-level standards that will be critical to student success within the full grade-level course. Students can then move to the full grade level course to complete all grade level standards.

Mathematics - LV5 (with QuickTables)

English/Spanish

(261 topics + 258 additional topics)

Course Description: The course provides extensive coverage of the fifth-grade math standards in arithmetic, algebra, geometry, measurement, probability, and statistics. The *ALEKS* calculator is available for selected topics.

Arithmetic (with QuickTables)

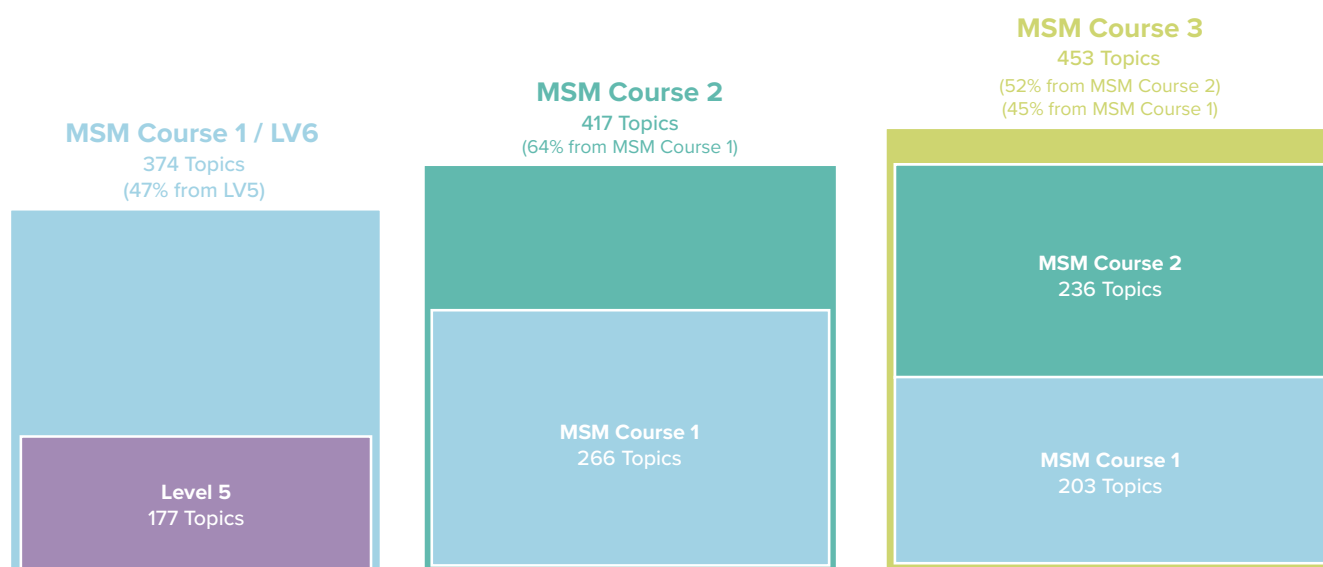
English/Spanish

Course Description: This course focuses primarily on third through fifth-grade arithmetic, with some coverage of geometry and measurement. The *ALEKS* calculator is not provided in the *ALEKS* arithmetic courses.

This course is only available on ALEKS.com

Middle School Courses

The middle school math courses in *ALEKS* also feature overlapping topics and concepts from previous grade-levels to remedy any minor skill deficits and reinforce prerequisite knowledge. If a student is not performing at grade level, a variety of intervention and remediation options are available to meet them where they are and bring them back up to grade level.



Middle School Suite	Tier 3	Tier 2	Tier 1
	<i>Students are performing significantly below grade level</i>	<i>Students are below grade level and need review</i>	<i>Students are on grade level</i>
Grade 6	MS RTI Tier 3	RTI 6	Middle School Math Course 1
Grade 7	MS RTI Tier 3	RTI 7	Middle School Math Course 2
Grade 8	MS RTI Tier 3	RTI 8	Middle School Math Course 3 (or Pre-Algebra)

Intervention Courses: Allow students to reach **65%** of mastery before moving to the next course.

Review Course: Allow students to reach **50%** of mastery before moving to the next course.

Grade-Level Courses: Students can move forward as of 85% mastery, but *course completion is preferred*
 Students scoring below 10% mastery, consider additional support
 Students scoring below 5% mastery, consider an intervention class

Course Offerings

Middle School Math Course 1/LV6

English/Spanish

(374 topics + 489 additional topics)

Course Description: This course provides comprehensive coverage of sixth-grade math standards and its prerequisites.

Middle School Math Course 2

English/Spanish

(417 topics + 800 additional topics)

Course Description: This course provides comprehensive coverage of seventh-grade math standards and its prerequisites.

Middle School Math Course 3

English/Spanish

(453 topics + 764 additional topics)

Course Description: This course provides comprehensive coverage of eighth-grade math standards and its prerequisites.

RTI 6

English/Spanish

(184 topics + 109 additional topics)

Course Description: This course is intended for students who are performing at one or more grade levels or below a sixth-grade level. This course covers key third through fifth-grade math skills that students need to know to be successful in Middle School Math Course 6.

RTI 7

English/Spanish

(219 topics + 105 additional topics)

Course Description: This course is intended for students who are performing at one or more grade levels below a seventh-grade level. This course covers critical third through sixth-grade math skills that students need to know to be successful in Middle School Math Course 7.

RTI 8

English/Spanish

(237 topics + 98 additional topics)

Course Description: This course is intended for students who are performing at one or more grade levels below an eighth-grade level. This course contains key grade 3 through 7 skills that students need to know to be successful in Middle School Math Course 8.

MS RTI Tier 3

English/Spanish

(107 topics + 91 additional topics)

Course Description: This course is Intended for students who are significantly below grade level. The course contains essential content from elementary and middle school courses.

Essential Mathematics

English/Spanish

(374 topics + 489 additional topics)

Course Description: This course provides comprehensive coverage of sixth-grade math standards, including algebra, and its prerequisites. This course includes QuickTables as a default.

This course only available on ALEKS.com

Algebra Readiness

English/Spanish

(445 topics + 768 additional topics)

Course Description: This course provides robust coverage of the basic concepts of algebra, algebra prerequisites, and related math curriculum standards. Algebra Readiness does not cover non-algebra middle school mathematics topics, such as probability, statistics, and geometry.

Essentials for Algebra

English/Spanish

(436 topics + 814 additional topics)

Course Description: This course provides the necessary prerequisite topics that are central to success in Algebra 1, including standards-based geometry, probability, and statistics concepts.

Pre-Algebra

English/Spanish

(634 topics + 583 additional topics)

Course Description: This course provides standards-based coverage of all seventh and eighth-grade math, including a robust introduction to the basic concepts of algebra and its prerequisites. It is a combination of Middle School Math Course 2 and Middle School Math Course 3.

High School Courses

ALEKS features a wide variety of high school courses that can be customized to align with your curriculum. This robust library of courses means you can easily accommodate the needs of every student with a course that meets them at their level and provides them with a personalized learning path towards success and standard mastery. These courses can be stacked in a manner that allows for concept overlap to solidify prerequisite skills, close learning gaps, reinforce overall understanding.

AGAP Suite					
Pre-Algebra	Intervention	Algebra I	Geometry	Algebra II	Pre-Calculus
Pre-Algebra	High School Preparation for Algebra I	Algebra I	High School Geometry	Algebra 2	Pre-Calculus
Essentials for Algebra		Algebra 1A/1B		Algebra 2 with Trigonometry	
Algebra Readiness	Math Intervention	Traditional Algebra 1A/1B			

Intervention Courses: Allow students to reach **65%** of mastery before moving to the next course.

Review Course: Allow students to reach **50%** of mastery before moving to the next course.

Grade-Level Courses: Students can move forward as of 85% mastery, but *course completion is preferred*
 Students scoring below 10% mastery, consider additional support
 Students scoring below 5% mastery, consider an intervention class

Course Offerings

Foundations of High School Math

English/Spanish

(453 topics + 764 additional topics)

Course Description: Similar to Pre-Algebra, this broad, standards-based course offering provides comprehensive coverage of the middle school mathematics curriculum, including many topics that are not prerequisites for success in Algebra 1. This course is intended to develop a mastery of the full breadth of middle school math concepts to facilitate success in high school mathematics, including algebra and geometry courses.

High School Prep for Algebra 1

English/Spanish

(328 topics + 207 additional topics)

Course Description: This course focuses on critical prerequisite topics that are central to success in Algebra 1. This is the best course to prepare students to advance as quickly as possible into Algebra 1 or Algebra 1A.

Priority Standards Course Algebra 1

(397 topics+ 770 additional topics)

Course Description: This course focuses exclusively on prerequisite topics and grade-level standards that will be critical to student success within the full grade-level course. Students can then move to the full grade level course to complete all grade level standards.

Algebra 1A**English/Spanish**

(374 topics + 567 additional topics)

Course Description: This standards-based course provides comprehensive coverage of Algebra 1 standards by focusing on the algebra concepts and prerequisites typically covered in the first half of an Algebra 1 course.

Traditional Algebra 1A**English/Spanish**

(319 topics + 622 additional topics)

Course Description: The course provides complete coverage of the algebra concepts and prerequisites typically covered in the first half of an Algebra 1 course. It does not provide extensive coverage of non-algebra topics, such as probability, statistics, and geometry.

Algebra 1B**English/Spanish**

(372 topics + 795 additional topics)

Course Description: This standards-based course provides comprehensive coverage of Algebra 1 standards. It focuses on the algebra concepts typically covered in the second half of an Algebra 1 course.

Traditional Algebra 1B**English/Spanish**

(365 topics + 802 additional topics)

Course Description: This course provides complete coverage of the algebra concepts typically covered in the second half of an Algebra 1 course. It does not provide extensive coverage of non-algebra topics, such as probability, statistics, and geometry.

Algebra 1**English/Spanish**

(374 topics + 567 additional topics)

Course Description: This standards-based course provides comprehensive coverage of Algebra 1 standards.

Algebra 1 and Prep for Algebra 1 Combined**English/Spanish**

(615 topics + 703 additional topics)

Course Description: This standards-based course provides comprehensive coverage of Algebra 1 standards and a more extensive set of prerequisite topics for students who may need additional support.

High School Geometry

English/Spanish

Course Description: This standards-based course provides comprehensive coverage of Common Core State Standards (CCSS) for Geometry.

High School Geometry

English/Spanish

(524 topics + 406 additional topics)

Course Description: This standards-based course provides comprehensive coverage of geometry standards.

Algebra 2

English/Spanish

(524 topics + 763 additional topics)

Course Description: This standards-based course provides comprehensive coverage of Algebra 2 topics and concepts, with no coverage of trigonometry.

Algebra 2 with Trigonometry

English/Spanish

(611 topics + 676 additional topics)

Course Description: This robust and standard-based course offers comprehensive coverage of Algebra 2 topics, including coverage on trigonometry.

Trigonometry

English/Spanish

(426 topics + 501 additional topics)

Course Description: This robust course provides comprehensive coverage of a typical trigonometry course along with prerequisite support on algebra and geometry.

Integrated Math I

English/Spanish

(589 topics + 874 additional topics)

Course Description: This integrated math course focuses on algebra, linear and exponential functions, sequences, systems of equations, descriptive statistics, and introductory geometry.

Integrated Math II

English/Spanish

(615 topics + 917 additional topics)

Course Description: This integrated math course focuses on quadratic functions, probability, advanced geometry, and introductory trigonometry.

Integrated Math III

English/Spanish

(608 topics + 936 additional topics)

Course Description: This integrated math course focuses on extending algebra and functions (including radicals, rational expressions, polynomial functions, logarithmic functions, sequences, and series), trigonometry, and probability.

Math Intervention

English/Spanish

(107 topics + 91 additional topics)

Course Description: This course provides effective intervention for math students at almost any level with topic coverage ranging from grades 3–12.

College Preparedness

English/Spanish

(781 topics + 377 additional topics)

Course Description: Promotes college math readiness and success by providing thorough coverage of basic math through intermediate algebra, which prepares students to progress into a credit-bearing college math course upon completion.

Pre-Calculus

English/Spanish

(637 topics + 533 additional topics)

Course Description: Provides comprehensive coverage of a typical pre-calculus course.

Pre-Calculus for College Readiness

English/Spanish

(556 topics + 614 additional topics)

Course Description: Provides coverage of pre-calculus excluding topics on systems of equations, matrices, vectors, polar coordinates, and conic sections. This excluded list is covered in *ALEKS* Pre-Calculus.

Prep for GED Mathematics

English/Spanish

(643 topics + 442 additional topics)

Course Description: Provides coverage of the middle-school and high-school mathematics topics included on the GED exam.

Mastery of SAT Math

English/Spanish

(646 topics + 462 additional topics)

Course Description: This course is designed to help students achieve mastery of the math topics featured on the SAT Reasoning Test.

Mastery of ACT Math

English/Spanish

(678 topics + 430 additional topics)

Course Description: This course focuses on students developing a mastery of topics featured on the ACT Mathematics Test.

High School Prep for Statistics

English/Spanish

(62 topics + 17 additional topics)

Course Description: This short introductory course addresses the prerequisites that high-school students need when preparing for a statistics course.

Chemistry

English Only

(248 topics + 521 additional topics)

Course Description: The course provides extensive coverage of chemistry at the high school level. This includes coverage of the NGSS high-school standards, which apply to chemistry, along with basic algebra and physics concepts that are essential prerequisites for successfully achieving fundamental chemistry mastery. Content within this course is highly customizable to match almost any curriculum and order of instruction.

Prep for AP Chemistry

English Only

(191 topics + 578 additional topics)

Course Description: This course is designed to prepare high school students for an AP Chemistry course. This course covers prerequisite and foundational material necessary for success in AP Chemistry.

Math Review of AP Calculus

English/Spanish

(296 topics + 110 additional topics)

Course Description: The course reviews the topics necessary for success in AP Calculus. It does not contain AP Calculus content.

Math Review for AP Physics

English/Spanish

(411 topics + 219 additional topics)

Course Description: This course reviews math topics necessary for success in AP Physics. It does not contain AP Physics content.

Fundamentals of Accounting (Corporation)

English/Spanish

(55 topics + 8 additional topics)

Course Description: This short introductory accounting course (55 topics) covers the basic fundamentals of accounting, including financial statements, journal entries, the closing process, and merchandising accounting.

Fundamentals of Accounting (Sole Proprietorship)

English/Spanish

(55 topics + 8 additional topics)

Course Description: This short introductory accounting course (55 topics) covers the fundamentals of accounting, including financial statements, journal entries, the closing process, and merchandising accounting.

Specialized Courses

Specialized courses require their own subscription and come at an additional cost. These courses are only available on ALEKS.com and often align to a specific McGraw Hill curriculum solution.

AP Statistics (Quantitative)**

English Only

(307 topics + 98 additional topics)

Course Description: This course covers descriptive statistics, probability, distributions, inferential statistics, and regression and correlation to help prepare students for the content of an AP Statistics exam.

AP Chemistry**

English Only

(363 topics + 406 additional topics)

Course Description: This course provides rigorous coverage of chemistry topics that are typically included in a general college-level chemistry course. This course includes the built-in ALEKSpedia, which is a General Chemistry Primer, making the ALEKS AP Chemistry course your chemistry solution. This course can also be used to help students achieve better results on the AP Chemistry exam.

Beginning Algebra (ALEKS 360)**

English/Spanish

(375 topics + 443 additional topics)

Course Description: The course provides coverage of beginning algebra topics alongside digital access to the Miller/O'Neill/Hyde Beginning Algebra text.

Intermediate Algebra (ALEKS 360)**

English/Spanish

(494 topics + 305 additional topics)

Course Description: This course provides coverage of intermediate algebra topics alongside digital access to the Miller/O'Neill/Hyde Intermediate Algebra text.

College Algebra (ALEKS 360)**

English/Spanish

(538 topics + 424 additional topics)

Course Description: This course provides coverage of college algebra topics alongside digital access to the Miller/Gerken College Algebra text.

College Algebra with Trigonometry (ALEKS 360)**

English/Spanish

(557 topics + 613 additional topics)

Course Description: This course provides coverage of college algebra and trigonometry topics alongside digital access to the Miller College Algebra & Trigonometry text.

PreCalculus (ALEKS 360)**

English/Spanish

(637 topics + 533 additional topics)

Course Description: This course provides coverage of pre-calculus topics alongside digital access to the Miller Pre-calculus text.

Introduction to Statistics (ALEKS 360)**

English Only

(307 topics + 98 additional topics)

Course Description: This course provides coverage of statistics topics alongside digital access to the Miller Bluman Elementary Statistics: A Step by Step Approach text.

ALEKS State-Specific Courses

These state-specific courses require a unique ISBN and are specific to a particular state's standards.

Texas Middle School Math Course 1/LV6

English/Spanish

(395 topics + 468 additional topics)

Course Description: This course provides comprehensive coverage of the current Grade 6 Texas Math Standards and its prerequisites.

Texas Middle School Math Course 2

English/Spanish

(434 topics + 783 additional topics)

Course Description: This course provides comprehensive coverage of the current Grade 7 Texas Math Standards and its prerequisites.

Texas Middle School Math Course 3

English/Spanish

(455 topics + 762 additional topics)

Course Description: This course provides comprehensive coverage of the current Grade 8 Texas Math Standards and its prerequisites.

Texas Algebra 1

English/Spanish

(453 topics + 714 additional topics)

Course Description: This course provides comprehensive coverage of the current Texas Algebra 1 Math Content Standards.

Texas High School Geometry

English/Spanish

(497 topics + 433 additional topics)

Course Description: This course provides comprehensive coverage of the current Texas Geometry Math Content Standards.

California Algebra 1A

English/Spanish

(374 topics + 567 additional topics)

Course Description: This course provides comprehensive coverage of the current California Algebra 1 Math Content Standards. It focuses on the algebra concepts and prerequisites typically covered in the first half of a California Algebra 1 course.

California Algebra 1B

English/Spanish

Course Description: This course provides comprehensive coverage of the current California Algebra 1 Math Content Standards. It focuses on the algebra concepts typically covered in the second half of a California Algebra 1 course.

California Algebra 1

English/Spanish

Course Description: This course provides comprehensive coverage of the current California Algebra 1 Math Content Standards.