

College and ABE Consortium	Math course description -- articulation agreement?	Cut score	Curriculum scope, materials & how to access - shareable?	How do students register?	MnSCU contact	ABE contact
MCTC: Minneapolis Community and Technical College Minneapolis Adult Education	ADED 0050 Math Review: Math Review is a free, non-credit course designed to help MCTC students improve their math skills to prepare for MCTC's math curriculum. The course covers whole numbers, fractions, decimals, percents and ratio/proportions. Students scoring between 25-38 on the Accuplacer arithmetic skills test are eligible for this class.	Below 39	The course covers whole numbers, fractions, decimals, percents and ratio/proportions. Core text is: " <i>The Math Problem Solver</i> " that students purchase for \$20. Plans are to have it available in the MCTC bookstore in fall 2015. Teacher also supplements with My Skills Tutor. The classes are held on MCTC campus and taught by Minneapolis Adult Education teachers.	enroll online via MCTC's website	MCTC Contact: Sarah Gednalske Mpls AE contact (ABE coordinator with MCTC) Tim Rowe: Tim.Rowe@mpls.k12.mn.us	Heather , Mpls RTC heather.turngren@mpls.k12.mn.us or Tim Rowe: Tim.Rowe@mpls.k12.mn.us
MCTC: Minneapolis Community and Technical College Minneapolis Adult Education	ADED 0060 Prep for College Math is a free, non-credit course for students who score between 39-49 on the Accuplacer arithmetic skills test. Students who have successfully completed Math Review are also eligible. The course is designed to help improve math skills to prepare for technical programs and/or Math 0070 (Introductory Algebra). Some Career and Technical Education students are deemed "program ready" at the completion of this course. This course reviews place value, rounding, estimating, computation with decimals, ratios, proportions, and percent with an emphasis on application. There is also an introduction to more complex topics such as order of operations, computation with integers, computation with fractions, polynomials, and linear equations.	39-49	This course has a review of place value, rounding, estimating, computation with decimals, ratios, proportions, and percent with an emphasis on application and an introduction to an introduction to more complex topics such as order of operations, computation with integers, computation with fractions, polynomials, and linear equations. There is not a core text for this class. Teacher generated materials are posted on D2L (student management platform). The teacher also uses My Skills Tutor with the class. The classes are held on MCTC campus and taught by Minneapolis Adult Education teachers.	MnSCU system	MCTC Contact: Sarah Gednalske Mpls AE contact (ABE coordinator with MCTC) Tim Rowe: Tim.Rowe@mpls.k12.mn.us	Heather , Mpls RTC heather.turngren@mpls.k12.mn.us or Tim Rowe: Tim.Rowe@mpls.k12.mn.us
MN State Community and Technical College (Fergus				MnSCU system	Carrie Brimhall Carrie.brimhall@minnesota.edu	

Falls and Detroit Lakes)					(per Melanie Burns Melanie.burns@so.mnscu.edu)	
Saint Paul College and Saint Paul Public Schools ABE	<p>Intensive Math Tutoring/Math 0745. This was Saint Paul Colleges' Fundamentals Math 1 and 2</p> <p>Students who pass the Math 0745 can move directly into their Certificate program or retake the Accuplacer to test out of the Math requirement</p> <p>SURVEY: out of 115 students 64 responded. 85% of students are enrolled in other classes at the college, specifically other dev. ed classes. Sixty eight percent of those surveyed scored between a 32-49 on the Math Accuplacer. Fifty percent scored below a 69 on the Reading.</p>	39-49	<p>The classes are held on campus, we use the textbook that the college was using "Basic Mathematics" by Robert H. Prior, which costs the student \$130.00 through the college. We purchased a classroom set for students who could not afford that option.</p> <p>Curriculum covers decimals, fractions, introduction to percent, ratio, proportions, basic measurements, basic geometry, graph work, and pre-algebra.</p>	MnSCU system	Linda.kingston@saintpaul.edu	Karen Gerdin, St. Paul RTC Karen.gerdin@spps.org
Lake Superior College	<p>LSC is dividing their previous pre-Alg curriculum and combining that which is considered below 9th grade competency with arithmetic and the remainder which could be considered 9th grade material with Alg I.</p> <p>ABE will be teaching this Arith/Pre-Alg 0301 on the LSC campus beginning in Fall of 2015. This is a free non-credit class offered twice per week for two hours of lecture and additional open lab time. ABE will do the instruction for the Arith/preAlg 0301 course and this class will provide instruction leading to the Algebra I course.</p>	Accuplacer score of 31-69	This covers whole numbers, integers, fractions, decimals, ratio/proportions, percents, basic algebra expressions and measurements.	register through LSC course registration	Hanna Erpestad h.erpestad@lsc.edu	Patty Fleege, Duluth RTC patricia.fleege@isd709.org
Ridgewater	<p>CCR Math (Career & College Readiness Math)</p> <p>This class was formerly a Dev Ed course called Math 93 at Ridgewater.</p> <p>Free, articulated course offered by ABE on both the Hutchinson and Willmar campuses. Students are referred to the class by college admissions counselors, the college</p>	<p>Accuplacer scores:</p> <p>Arithmetic 0-56</p> <p>Elementary Algebra 0-24</p>	<p>This course covers basic operations, fractions, decimals, one and two step linear equations, exponents, order of operations, applied problem solving, absolute value of expressions, area and perimeter.</p> <p>ABE purchased a class set of textbooks and allowed students to check them out for home use. The textbook used is Introductory Mathematics: Concepts with Applications published by XYZ Textbooks. ISBN #978-1-936368-50-1. The textbook has QR</p>	ABE	<p>Alan Stage Dean of Instruction alan.stage@ridgewater.edu</p> <p>Disability Services Coordinator Terry Grinde terry.grinde@ridgewater.edu</p>	<p>Shari Johnson Hutchinson ABE/Southwest RTC sharijabe@gmail.com</p> <p>Carla Benson Hutchinson ABE Instructor</p>

	<p>disabilities coordinator/student support services, Work Force partners, ABE staff.</p> <p>Successful completion of course allows students to enter Math 97 or Quantway.</p>		<p>Codes that link to videos that explain the concepts in great detail. This was very helpful to our students.</p>			
<p>Century</p>	<p>Math Plus</p> <p>If they have any questions or trouble, students are still invited to contact me. However, if a student is not a Century student, but would like to take the class, I said I'd take down their contact information and forward it to the instructors prior to the start of class.</p> <p>I was double-checking that we've got coverage for the MATH 0030 ABE supported classes according to the times listed on the Spring 2015 Math Help Options for Students. (I said I'd create a flyer for these courses to be handed out at registration for students who might be looking for extra help.) Katie</p>			<p>Yes</p>	<p>Katie Pierre Katie.pierre@century.edu</p>	<p>Scott Helland, Metro East shelland@isd622.org</p> <p>Jerry Etesse, Metro East RTC getesse@comcast.net</p>
<p>Central Lakes</p> <p>Brainerd ABE</p>	<p>ABE0001 - Basic Math</p> <p>ABE Math is a no cost, non-credit course designed to help CLC students improve their math skills. The course covers whole numbers, fractions, decimals, percents and ratio/proportions. Students scoring between 20-39 on the Accuplacer arithmetic skills test are eligible for this class.</p>	<p>Below 40</p>	<p>Basic math through beginning algebra: place value, whole numbers across operations, fractions, decimals, percents, ratios, proportions, measurement, word problems, integers, basic geometry, pre-algebra, and calculator skills</p> <p><i>Access Mathematics</i> <i>TABE D Building Basic Skills</i> <i>Number Power A</i> <i>My Skills Tutor</i></p>	<p>CLC's website</p>	<p>Martha Kuehn Dean of Liberal Arts mkuehn@clcmn.edu</p>	<p>Orla Kenton orla.kenton@isd181.org</p>
<p>Anoka Ramsey</p>	<p>Math Review Course</p> <p>A free non-credit course designed for students studying for the ACCUPLACER, GED, or the TEAS nursing entrance-exam. Although scope of class was designed with input from professional tutors at the ARCC-Cambridge campus, there is no articulation agreement with Anoka Ramsey Community College-Cambridge Campus.</p>	<p>No Accuplacer cut score</p>	<p>Scope: long division and multiplication, decimals/fractions/percents, prime factorization, order of operations, basic algebra (solving for one unknown), word problems.</p> <p>Please contact Caroline for a link to google drive to access curriculum.</p>	<p>Cambridge ABE</p>	<p>N/A</p>	<p>Caroline Nerhus cnerhus@cambridge.k12.mn.us</p>

<p>St. Cloud T&CC</p>	<p>ADED 0050 – Math Review Fall 2015, Section 01, 1:00 – 1:50, MTWTh. Room for 15 students. Fall 2015, Section 02, 2:00 – 2:50, MTWTh. Room for 15 students.</p> <p>Math Review is a free, non-credit course designed to help SCTCC students improve their math skills to prepare for SCTCC’s math curriculum. The course covers whole numbers, fractions, decimals, percents, ratios/proportions, and introductory algebra. Students scoring up to 38 on the Accuplacer arithmetic skills test are eligible for this class.</p>	<p>Below 39</p>	<p>KEYS to math series, Accuplacer MyFoundationsLab, other materials as needed.</p> <p>Learner goals:</p> <ul style="list-style-type: none"> *demonstrate an understanding of the relationship between whole numbers, decimals, percents, ratios/proportions *demonstrate the ability to solve problems containing whole numbers, decimals, percents, ratios/proportions *demonstrate the ability to select and apply basic geometric formulas to calculate area, volume, perimeter and circumference *demonstrate an understanding of basic algebraic principles to evaluate expressions 	<p>MnSCU system (dual enrolled)</p>	<p>Tarryl Clark, Interim Dean Of Math, Sciences, And Technology TClark@sctcc.edu (320) 308-5377</p>	<p>Mag Patridge, Mid-Central RTC mag.patridge@gmail.com 320-258-1112</p> <p>Deb Walz, ABE Instructor Debra.Walz@isd742.org</p>
<p>Rochester</p>	<p>No math articulated courses at this time We do college Accuplacer prep at Hawthorne</p>		<p>College and Accuplacer Prep covers fractions/ percents/ ratios/ proportions/ measurement and algebra</p>	<p>ABE</p>		<p>naholthaus@rochester.k12.mn.us</p>
<p>Fond du Lac Tribal Community College and AEOA ABE</p>	<p>ABE Math Boot Camp</p>		<p>College and Accuplacer Prep fractions/percents/ratios/proportions/measurements; beginning algebra</p>	<p>ABE</p>		<p>Kelly Bahen kelly.bahen@aeoa.org Beth Peterson beth.peterson@aeoa.org</p>
<p>MN South east Tech - Red Wing</p>	<p>Dev Ed Math</p>		<p>Classroom and distance learning math prep</p>	<p>HVABE</p>	<p>Jolene Poncelet jponcelet@southeastmn.edu</p>	<p>Jill Rivard jkrivard@rwps.org</p>

Hibbing Community College, AEOA ABE	PREP 0200 - Boot Camp		Decimals, fractions, percents, proportions, squares and square roots, scientific notation, prime, composite numbers, finding missing variable, absolute value, area, perimeter, and signed numbers	HCC online	Donna Groettum donnagroettum@hibbing.edu	Jill Carlson jill.carlson@aeoa.org Beth Peterson beth.peterson@aeao.org
Riverland Community College/ SE ABE	Math class in development. Will be a combination with both RCC and ABE students (Spark).			RCC online for RCC students ABE for Spark students	Kelly McCalla kelly.mccalla@riverland.edu	Stacy Edland stacy.edland@austin.k12.mn.us Erin Haag erin.haag@riverland.edu
Itasca Community College and AEOA ABE	Learning Skills Lab 0092		Basic Math through Beginning Algebra	MnSCU	MnSCU- Elizabeth Gillman elizabeth.gillman@itascacc.edu Ann Vidovic ann.vidovic@itascacc.edu	Tracy Chase tracy.chase@aeoa.org Beth Peterson beth.peterson@aeoa.org
Vermillion Community College and AEOA ABE	Will offer Learning community in Fall of 2015. Dev'l ed. asst. in Reading and Math. Details TBD		arithmetic to pre-alg; basic reading; details TBD	TBD: discussion on mandatory enroll through college for athletes	Annette Horvat 218-235-2176 1-800-657-3608 a.horvat@vcc.edu	Melissa Brusacoram melissa.brusacoram@aeoa.org Beth Peterson beth.peterson@aeoa.org

QUESTIONS:

- Any bottom cut scores, so if the learner is too low they are referred to a lower ABE course?
- Outcomes?

OTHER RESOURCES:

Accuplacer manual, interpretation of scores and Attachment E – Survey of Cut Scores

<http://professionals.collegeboard.com/profdownload/accuplacer-program-manual.pdf>

(Note: placement into DevEd Math cut scores range from Arithmetic scores of 20-90).

From the manual (accessed 04-25-15):

The Arithmetic test measures students' ability to perform basic arithmetic operations and to solve problems that involve fundamental arithmetic concepts.

There are three content areas measured on this test: Whole Numbers and Fractions; Decimals and Percents; and Applications. Each examinee is administered 17 items.

Proficiency Statements for Arithmetic

Total Right Score of about 31 Students at this level have minimal arithmetic skills and can: · perform simple operations with whole numbers and decimals (addition, subtraction, and multiplication) · calculate an average, given integer values · solve simple word problems · identify data represented by simple graphs

Total Right Score of about 57 Students at this level have basic arithmetic skills and can: · perform the basic arithmetic operations of addition, subtraction, multiplication, and division using whole numbers, fractions, decimals, and mixed numbers · make conversions among fractions, decimals, and percents

Total Right Score of about 90 Students at this level have adequate arithmetic skills and can: · estimate products and squares of decimals and square roots of whole numbers and decimals · solve simple percent problems of the form $p\%$ of $q = ?$ and $?%$ of $q = r$ · divide whole numbers by decimals and fractions · solve simple word problems involving fractions, ratio, percent increase and decrease, and area

Total Right Score of about 112 Students at this level have substantial arithmetic skills and can: · find equivalent forms of fractions · estimate computations involving fractions · solve simple percent problems of the form $p\%$ of $? = r$ · solve word problems involving the manipulation of units of measurement · solve complex word problems involving percent, average, and proportional reasoning · find the square root of decimal numbers · solve simple number sentences involving a variable

Melanie Burns: I also noticed you asked about student learner outcomes. You can access persistence and completion metrics via the accountability dashboard, but I don't know of any public resources that list other types of outcomes. The dashboard is here: <http://www.mnscu.edu/board/accountability/> NOTE: 2012 is the most recent available as of April 2015.