

Minnesota Articulated College Credit (ACC) Agreement

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Agreement Name: Applied Math For CTE - Regional

Agreement Last Reviewed: November 2018

Next Review Date: November 2020

College Courses			
Class	Title	School	Credits
MACT 1508	Applied Math I	Ridgewater College	2.0 of 2.0

Curriculum Content Objectives:

To receive credit, students will master 100% of the following content objectives:

1. Define real numbers
2. Describe whole numbers
3. Identify math operations
4. Calculate proportions
5. Convert English and metric measurements
6. Convert degrees, minutes, seconds with decimal unit values
7. Create and solve linear equations
8. Define basic trigonometry functions
9. Determine lowest common denominators
10. Explain & graph linear equations
11. Identify measurement errors
12. Perform math computations with fractions, decimals, and percentages
13. Recognize and define angles and geometric shapes
14. Simplify algebraic expressions
15. Solve problems using ratios
16. Calculate square roots using root functions
17. Solve trigonometric applications
18. Use exponents in formulas
19. Write decimal numbers in word form
20. Describe quadratic equations
21. Convert fractions to decimal values

Assessments:

1. Students must achieve no less than 80% or B for a final grade in the high school course to receive ACC.
2. Students must take the end of the course exam required for the field of study that they are entering. (e.g. A student majoring in welding would take the WELD 1201 end of course exam, a student majoring in Computer Aided Drafting and Design would take the DRFT 1508 end of course exam for that course)
3. Students must be a senior in high school or a PSEO junior student.

ACC Concept:

Skills for selected courses required for graduation in programs at the colleges participating in this regional agreement are taught in our schools using the assessments developed collaboratively by secondary and post-secondary staff. High School credit is earned and college credits are earned if the student meets the college achievement.