

Jones County Junior College

Academic Affairs Catalog Addendum 2008-2010

Addendum #004 February 25, 2009

Jones County Junior College is making the following revisions in the area of math for the 2008-2010 college catalog:

- Beginning Algebra - Change the minimum ACT score for admission in Beginning Algebra from 13 to 15 to reflect placement policy change.
- Beginning Algebra - Change the prerequisite for Beginning Algebra to include a grade of C or better in MAT 1103.
- Intermediate Algebra - Change the minimum ACT score for admission in Intermediate Algebra from 16 to 18 to reflect placement policy change. Add an “s” to the word “graph” in course description.
- College Algebra - Change the minimum ACT score for admission in College Algebra from 18 to 19 to reflect placement policy change.
- Trigonometry - Correct the prerequisite for Trigonometry to include “or ACT math score of 21 or above”.
- Effective Fall 2009 Semester: Calculus I - Add Trigonometry as a prerequisite for Calculus I in accordance with State Board for Community and Junior College curriculum alignment. Previously, Trigonometry was the prerequisite for Calculus III.

(printed catalog pages 199 - 200)

MAT 1203 – Beginning Algebra – Prerequisite: **MAT 1103, grade of C or better, or ACT math score of 13 to 15.** A course in algebra to include operations with real numbers, linear equations, the coordinate system, linear inequalities, exponents, operations with polynomials, and factoring. Three semester hours (institutional) credit.

MAT 1233 – Intermediate Algebra – Prerequisite: MAT 1203, grade of C or better, or ACT math score of **16 to 18.** Topics include linear equations and their graphs; inequalities and number line graphs; rational expressions; factoring; exponents; radicals; polynomials. Three semester hours credit.

MAT 1313 – College Algebra – Prerequisite: MAT 1233, grade of C or better, or ACT math score of **19** or above. This course includes inequalities; functions; linear and quadratic equations, circles, and their graphs; applications; polynomial and rational functions; logarithmic and exponential functions; systems of equations. Three semester hours credit.

MAT 1323 – Trigonometry – Prerequisite: grade of C or better in MAT 1313 or equivalent, **or ACT score of 21 or above**. This course includes trigonometric functions and their graphs; functions of composite angles; fundamental relations; trigonometric equations; radian measurement; solutions of right and oblique triangles; inverse trigonometric functions; applications. Three semester hours credit.

MAT 1613 – Calculus I – Prerequisite: grade of C or better in MAT 1323. This course includes the following topics: limits; continuity; the definition of the derivative; differentiation; applications; antiderivatives. Three semester hours credit.