

Courses for the Music Education Certification

Mathematics Requirement

Recommended Courses at CCAC and University of Pittsburgh:

CCAC

MAT 090 -- Algebra I - A course in the fundamentals of algebra. Included are such topics as the real number system; operations on polynomial expressions containing variables; word problems; special products and factoring; solution sets of equations and inequalities in one variable. Also included are radical expressions involving square roots and an introduction to the rectangular coordinate system.

Any MAT 100 level or above:

Please visit http://www.ccac.edu/search_criteria.aspx and select "Mathematics" in the search field. This website allows you to search among CCAC's courses and will give you specific descriptions.

Note: Taking the arithmetic fundamentals pre-test or having a high SAT (560) or AP Math score is required of all students interested in taking math courses at CCAC. Contact Joseph DeBlassio jdeblassio@ccac.edu for more information about the pre-test.

PITT

Math 0031 -- Algebra (3 credits) - A course covering college-level algebra including complex numbers and conjugates, algebraic formulae, linear and quadratic equations, inequalities, functions, inverses, graphs, and variation. Prerequisite: Grade of C- or better in MATH 0030 or placement by exam. (Meets CAS Algebra Requirement)

STAT 0200 -- Intro to Basic Applied Statistics (4 credits) - An introduction to the basic concepts, terminology, and procedures of descriptive and inferential statistics. This course covers the topics of how to look at data statistically, how to select an appropriate statistical procedure, and how to perform and understand the meaning of statistical calculations, including hypothesis testing, correlation and regression, and contingency tables. The course touches only lightly on the derivation of formulas and the mathematical expression of statistical theory. Further, it involves exposure to the computer statistical package MINITAB and uses the TI-83 programmable graphics calculator. Prerequisite: A grade of C- or better in MATH 0031. (Meets CAS Quantitative and Formal Reasoning Requirement.)