

# AFM

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## Courses

### **AFM 090 Foundations of Basic Mathematics**

**4 Credits. 4 Lecture Hours. 0 Lab Hour.**

A course on using basic arithmetic operations to solve problems in a variety of contexts. Topics include: whole numbers, fractions, percents, proportional reasoning, and simple linear equations. Students must earn a minimum grade of C to pass this course.

Prerequisites: Appropriate placement test score

### **AFM 091 Pre-Algebra**

**2 Credits. 2 Lecture Hours. 1 Lab Hour.**

A course on using basic arithmetic operations to solve problems in a variety of contexts. Topics include: integers, fractions, decimals, percents, variables, and algebraic expressions. Students must earn a minimum grade of C to pass. This course is delivered in a 7-week schedule.

Prerequisites: Appropriate placement test score

### **AFM 092 Introductory Algebra**

**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A course on solving problems with algebra. Topics include: algebraic expressions; linear equations of one and two variables; graphing; slope and rate of change; and algebraic, graphic, and numerical representation. Students need a graphing calculator. Students must earn a minimum grade of C to pass. This course is delivered in a 7-week schedule.

Prerequisites: AFM 091 (minimum grade C) or AFM 090 (minimum grade C), or appropriate placement test score

### **AFM 094 Basic Algebra**

**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A course on solving problems with algebra. Topics include: exponents; scientific notation; polynomials; systems of linear equations; and algebraic, graphic, and numerical representation. Students need a graphing calculator. Students must earn a minimum grade of C to pass. This course is delivered in a 7-week schedule.

Prerequisites: AFM 092 (minimum grade C) or AFM 095 (minimum grade C), or appropriate placement test score

### **AFM 095 Foundations of Basic Algebra**

**4 Credits. 4 Lecture Hours. 0 Lab Hour.**

A course on investigating, representing, and solving problems with algebra. Topics include: literal equations; scientific notation; and algebraic, graphic, and numerical representation. Students must earn a minimum grade of C to pass this course.

Prerequisites: AFM 090 or AFM 092 (minimum grade C for both), or appropriate placement test score

### **AFM 097 Intermediate Algebra**

**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A course on mathematical modeling and problem solving. Topics include: factoring polynomials; polynomial, radical, and rational functions; and quadratic equations. Students need a graphing calculator. Students must earn a minimum grade of C to pass. This course is delivered in a 7-week schedule.

Prerequisites: AFM 094 (minimum grade C), or appropriate placement test score

### **AFM 098 First Year Special Topics in Academic Foundations: Math**

**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to Academic Foundations: Math, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: Vary by section

### **AFM 099 First Year Independent Project in Academic Foundations: Math**

**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A project related to Academic Foundations: Math that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by AFM faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: Vary by section