

# Entry-Level and General Education Math Courses Fall 2009

## Placement by Interest

*Recommended courses\* Options are listed in numerical order, not in any priority. Lower courses numbers do not necessarily indicate easier courses.*

Students leaning toward:						
Prerequisites:	Science, Technology, Engineering, Mathematics; e.g. BIO, CHE, CMPS, MAT, PHY	Business; e.g. ACC, ECO, IFS, MGT, MKT, SPB	Social or Behavioral Science; e.g. ANT, GEO, CJUS, PSC, PSY, SOC	Elementary or Middle School Education; e.g. EEDU, MGUD, PHED	Math Adverse leaning away from disciplines with specific math requirements	NOT Math Adverse but truly undecided
MAHD 095 or ACT 19		STA 212 <i>or possibly</i> STA 205	STA 205	MAT/STA 110, STA 113	STA 113, MAT 115, STA 205	MAT 115, STA 205
MAHD 091 & 095 or ACT 19 & MAHD 091 or ACT 20				MAT 140		
MAHD 099 or ACT 22	MAT 109 <i>not a Gen Ed.</i>	MAT 109 <i>not a Gen Ed.</i>				
MAT 109 or ACT 23	MAT 119 <i>not a Gen Ed.</i>	MAT 112 or MAT 114				MAT 112, MAT 114, MAT 185
MAT 119 or ACT 25	MAT 128/129					MAT 128/129

### General Education Course Information

<b>MAT/STA 110</b>	An introduction to probability. Not designed for any specific major. Prerequisite skills from algebra are more thinking skills than algebraic manipulations.
<b>MAT 112</b>	A brief introduction to calculus. Designed for business majors but open to any student. Prerequisite skills from algebra include both manipulative and thinking skills.
<b>STA 113</b>	An elementary introduction to probability & statistics. Designed for education majors but open to any student. Prerequisite skills from algebra are more thinking skills than algebraic manipulations.
<b>STA 114</b>	An introduction to several topics in finite mathematics. Designed for business majors but open to any student. Prerequisite skills from algebra include both manipulative and thinking skills.
<b>STA 115</b>	An introduction to current topics in mathematics. Not designed for any specific major. Prerequisite skills from algebra are more thinking skills than algebraic manipulations.
<b>MAT 128/129</b>	A traditional, science- and engineering-oriented calculus. Dependence on prerequisite skills in algebra, geometry, and trigonometry is very heavy.
<b>MAT 185</b>	An introduction to various topics in discrete mathematics. Designed for computer information technology majors but open to any student. Prerequisite skills from algebra include both manipulative and thinking skills.
<b>STA 205</b>	A general introduction to statistics. Not designed for a specific major. Prerequisite skills from algebra and more thinking skills than algebraic manipulations.
<b>STA 212</b>	An introduction to statistics. Designed for business majors; unless the student is fairly sure about ending up in the College of Business, STA 205 is a better choice. Prerequisite skills from algebra are more thinking skills than algebraic manipulations.

### Non-General Education Course Information

<b>MAT 109</b>	A college level algebra course. Designed to provide pre-requisite knowledge for science related and business related majors; Prerequisite skills from algebra include both manipulative and thinking skills. A 'C' or above in MAT 109 is required for MAT 112, MAT 114, MAT 119, MAT 185.
<b>MAT 119</b>	Designed to provide pre-requisite knowledge for science related majors intending to take Calculus courses. A mastery of algebra skills is a pre-requisite for this course. A 'B' or above in MAT 119 is required for MAT 128, MAT 129.
<b>MAT 140</b>	Course designed for students interested in a major in the Elementary and Middle Grades Education program.

\* Check the 2009 catalog for the specific math requirements (if any) for a specific major. Not all majors that require a specific math or stat course are represented here.