

# SAMPLE ROAD MAP FOR CREDENTIAL PROGRAM IN MATHEMATICS

## CLASS OF 2013 (starting as a freshman in Fall 2009)

Credential program students must take: Math 75, 76, 77, 101, 111, 116, 143, 145, 149, 151, 152, 161, 171, 128 or 165 or 172, CSCI 40, PHYS 4A.

<b>Year 1: Fall 2009</b> GE Area A1: Oral Communication GE Area A2: English 10 GE Area B2: Life Sciences Math 75 - Calculus I (satisfies GE Area B4) Free Elective	<b>Year 1: Spring 2010</b> GE Area A3: Critical Thinking GE Area C1: Arts GE Area B1: Physics 4A Math 76 - Calculus II Free Elective
<b>Year 2: Fall 2010</b> GE Area C2: Humanities GE Area D1: American History Math 77 - Calculus III Math 111 - Transition to Advanced Math GE Area E: Lifelong Understanding and Self-Development	<b>Year 2: Spring 2011</b> GE Area C1 or C2: Arts or Humanities GE Area D3: Social Science Math 152 - Linear Algebra Math 101 - Stat Methods Free Elective
<b>Year 3: Fall 2011</b> GE Area IB: Physical Universe and Its Life Forms Computer Science 40 Math 151 - Principles of Algebra Math 145 - Problem Solving	<b>Year 3: Spring 2012</b> GE Area D2: American Government GE Area IC: Arts and Humanities Math 171 - Intermediate Math Analysis I Math 143 - History of Math
<b>Year 4: Fall 2012</b> GE Area ID: Soc, Pol, Econ Instit and Behav, Hist Background Math 128 - Compl. An. or 165 - Diff. Geom. (or 172 next semester) Math 116 - Theory of Numbers Independent Study / Free Elective(s)	<b>Year 4: Spring 2013</b> GE Area MI: Multicultural/International Math 172 - Intermed Math An. II (if didn't take 128 or 165) Math 161 - Principles of Geometry Math 149 - Capstone Math for Teachers

Note: students willing to earn the Single Subject Credential in Mathematics also have to take certain Education classes. Contact the School of Education regarding applying to the Single Subject Credential Program.