

**INTEGRATED MATHEMATICS CONCENTRATION**  
**ADOLESCENCE TO YOUNG ADULT - GR. 7-12 (EYA)**

<u>Course</u>	<u>Credit Hours</u>	<u>Terms</u>
EDT 432 Math Methods for EYA.....	3	Fall Senior Year
MTH 168 Analytic Geometry & Calculus I.....	4	Fall First Year
MTH 169 Analytic Geometry & Calculus II.....	4	Spring First Year
MTH 218 Analytic Geometry & Calculus III.....	4	Fall Second Year
MTH 308 Foundations in Discrete Mathematics.....	3	I, II
MTH 310 Linear Algebra & Matrices.....	3	I, II
MTH 330 Intermediate Analysis.....	3	Fall Senior Year
MTH 361 Introduction to Abstract Algebra.....	3	II
MTH 370 Introduction to Higher Geometry.....	3	II of even years
MTH 395 Development of Mathematical Ideas.....	3	I of even years
MTH 411 Probability and Statistics I.....	3	
<b>Choose one of the following</b> .....	<b>3</b>	
MTH 219 Applied Differential Equations		
<b>Or</b>		
Any additional 300 or 400 level math course		
<b>Choose one of the following</b> .....	<b>3</b>	
CPS 132 Comp. Programming for Engineering & Science		
<b>Or</b>		
CPS 150 Algorithms and Programming I		

**42 TOTAL CONCENTRATION HOURS REQUIRED**

**Please note that MTH 308 is a pre-requisite for many of the math courses.**