

# DOUBLE Major in Mathematics-B.S. GEN ED/COAS/EDUC

<b>Groups I and II:</b>		<b>Total CR</b>	
English	ENG W131 _____	<b>3 CR</b>	
Speech	SPCH S121 _____	<b>3 CR</b>	
Two intensive writing courses	1. ENG W231 _____	<b>3 CR</b>	
	2. MATH M493 (writing the thesis)		
Natural Science (with Lab)		<b>6-8 CR</b>	
<b>Group III:</b>	<b>COAS Group IIIB 6 – 12 CR</b>	<b>COAS Group IIIC 12 – 6 CR</b>	<b>18 CR</b>
(at least 2 disciplines in each column)			
(≤9 CR per discipline across Groups I-IV)			
<b>Group IV: Diversity</b>	(A Group IVB course which can also be used to fulfill the IIIB/IIIC requirements)		
<b>Ethics/Citizenship</b>	Math Lab Tutoring (≥10 hours) _____ OR Ethics Course _____ (This course can be used to satisfy both Group II or COAS IIIB/IIIC)		
<b>Group V: Major</b>			<b>42–44 CR</b>
<u>A: Required Core Courses:</u>	M215 _____ M216 _____ M301 _____ M311 _____ M360 _____ M391/M393 _____		<b>23 CR</b>
<u>B: Applications:</u>	Four additional 300-400 mathematics courses 1. T336 _____ 2. M447 _____ 3. M366 _____ 4. _____		<b>12 CR</b>
<u>C: Senior Concentration :</u>	Choose two courses from: M403 _____ M405 _____ M413 _____		<b>6 CR</b>
<u>D: Senior Thesis in Mathematics:</u>	MATH M493 _____		<b>1-3 CR</b>
<b>Group VII: Minor</b> (Minor is waived if double major with BS in EDUC.)			<b>75 – 79 CR</b>

<b>Pre-Professional Education Requirements (EDUC)</b>				
Educ F200 _____	Educ W200 _____	Educ P250 _____	Educ K205 _____	<b>12 CR</b>
<b>Educ Intro Math</b>	Math M118 _____	Math M126 _____	Math M125* _____	<b>5 – 8 CR</b>
<b>Teacher Education Program (EDUC)</b>				
<b>First Block</b> (Fall)		Educ M314 _____		<b>3 CR</b>
<b>Second Block</b> (Spring)	Educ M457 _____	Educ M464 _____	Educ M301 _____	<b>9 CR</b>
<b>Third Block</b> (Fall)	Educ M459 _____	Educ M304 _____	Educ P407 _____	<b>9 CR</b>
<b>Flex Course</b>		Educ H340 _____		<b>3 CR</b>
<b>Fourth Block</b> (Student Teaching – 12 CR)		Educ M480 _____		<b>12 CR</b>
				<b>53 – 56 CR</b>
<b>TOTAL</b>				<b>128 – 135 CR</b>

\* Students not ready to take Math M215 may have to take M125 (PreCalculus)