

Note that this is a “Typical Program.” Actual programs will vary. See the Academic Catalog for official details.

**MATHEMATICS EDUCATION B.S. DEGREE**

**Advisor: Dr. F. Jones**

<b>Fall 2008</b>			<b>Spring 2009</b>		
<u>MA 165:</u>	<u>Intro to Discrete Mathematics<sup>3</sup></u>	3	<u>MA 172:</u>	<u>Analytic Geometry &amp; Calculus II</u>	4
<u>MA 171:</u>	<u>Analytic Geometry &amp; Calculus I</u>	4	HS 116:	Hist Persp on Cult & Civ II	3
<u>PY 111:</u>	<u>Introduction to Psychology</u>	3	EN 151:	Perspectives on Literature	3
HS 115:	Hist Persp on Cult & Civ I	3	BR 111:	Biblical History and Literature	3
EN 121:	Academic Writing and Research	3	PE 110:	Introduction to Physical Wellness	1
SS 111:	University Life <sup>2</sup>	.5	115:	Introduction to AR/MU/TH	2
		<b>total 16.5</b>			<b>total 16</b>
<b>Fall 2009</b>			<b>Spring 2010</b>		
<u>ED 212:</u>	<u>Introduction to Education</u>	3	<u>ED 296:</u>	<u>Soph. Practicum for MS and HS</u>	1
<u>ED 236:</u>	<u>Education Psychology<sup>6</sup></u>	4	* <u>MA 351:</u>	<u>Geometry</u>	4
<u>MA 205:</u>	<u>Intro to Mathematical Proofs</u>	1	* <u>MA 371:</u>	<u>Differential Equations</u>	4
<u>MA 273:</u>	<u>Analytic Geometry &amp; Calculus III</u>	4	<u>SE 234:</u>	<u>Educ of the Except Adolescent</u>	2
	Laboratory Science	4	PE 111:	Physical Education Activities	1
		<b>total 16</b>		Laboratory Science	4
					<b>total 16</b>
<b>Fall 2010</b>			<b>Spring 2011</b>		
<u>CS 116:</u>	<u>Computer Concepts &amp; Prog I<sup>4</sup></u>	4	<u>ED 320:</u>	<u>Instructional &amp; Mgmt Strategies<sup>6</sup></u>	3
<u>ED 311:</u>	<u>Early Adol Curric &amp; Methods</u>	3	* <u>MA 311:</u>	<u>Elements of Linear Algebra</u>	4
* <u>MA 431:</u>	<u>Introduction to Real Analysis</u>	4	CO 215:	Public Speaking	3
* <u>MA 471:</u>	<u>Mathematical Statistics</u>	4	MI 285:	Core Curriculum Christian Faith	3
	Creative Studio Arts	1		Core Curriculum Social Science	3
		<b>total 16</b>			<b>total 16</b>
<b>Fall 2011</b>			<b>Spring 2012</b>		
* <u>ED410<sub>MAT</sub>:</u>	<u>Math Curriculum and Methods</u>	2	<u>ED 440:</u>	<u>Topics &amp; Problems in Education</u>	2
* <u>MA 411:</u>	<u>Abstract Algebra</u>	4	<u>ED 460:</u>	<u>Student Teaching - Secondary</u>	10
<u>MA 481:</u>	<u>Seminar in Math Sciences</u>	1			
BR____:	Bible Elective [300+ level]	3			
CAP475:	Capstone Seminar	2			
PL____:	Introduction to Philosophy/Ethics	3			
		<b>total 15</b>			<b>total 12</b>

**NOTES:**

1. Students who take mathematics or computer science courses must demonstrate satisfactory mathematics placement scores prior to enrolling in their intended mathematics or computer science courses (*see mathematics placement policy in Catalog under Academic Information*).
2. SS 111 is required in the fall semester of the freshman year for first-time freshman only.
3. MA 165 can be taken in the fall semester of the sophomore year.
4. CS 111 and CS 117 may be taken in place of CS 116.
5. ED 395 Practicum in Teaching should be scheduled during January Term of the junior or senior year.
6. Students are expected to complete ED 236 before enrolling in ED 320 unless they must enroll concurrently to prepare for ED 410 in the next fall semester.
7. Mathematics Education majors are strongly encouraged to audit or take MA 111 and MA 112 as electives.

\*Indicates alternating year course.

Underlining indicates required for major.