

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

MATHEMATICS B.S. DEGREE
Computational Track

Advisor: Dr. Dobbs

Fall 2014		Spring 2015			
<u>MA 165</u> :	<u>Intro to Discrete Mathematics</u> ²	3	<u>MA 172</u> :	<u>Analytic Geometry & Calculus II</u>	4
<u>MA 171</u> :	<u>Analytic Geometry & Calculus I</u>	4	HS 116:	Hist Persp on Cult & Civ II	3
HS 115:	Hist Persp on Cult & Civ I	3	EN 151:	Perspectives on Literature	3
EN 121:	Academic Writing and Research	3	BR 111:	Biblical History and Literature	3
EX 101:	Wellness for Life	2		Core Curriculum Social Science	3
	total	15		total	16
Fall 2015		Spring 2016			
<u>CS 116</u> :	<u>Computer Concepts & Program I</u> ³	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 & Calculus III</u>	4	MI 285:	Core Curriculum Christian Faith	3
115:	Introduction to AR/DM/MU/TH	2		Laboratory Science	4
	Laboratory Science	4			
	total	15		total	15
Fall 2016		Spring 2017			
* <u>MA 431</u> :	<u>Introduction to Real Analysis</u>	4	<u>CS 216</u> :	<u>Programming II</u>	3
* <u>MA 471</u> :	<u>Mathematical Statistics</u>	4	* <u>MA 311</u> :	<u>Elements of Linear Algebra</u>	4
	<u>Computational Track Elective</u>	3	PL____:	Introduction to Philosophy/Ethics	3
CO 215:	Public Speaking	3		Core Curriculum Social Science	3
	Creative Studio Arts	1		Elective	3
	total	15		total	16
Fall 2017		Spring 2018			
* <u>CS 325</u> :	<u>Data Structures</u>	4	<u>MA 490</u> :	<u>Independent Study</u>	4
* <u>MA 411</u> :	<u>Abstract Algebra</u>	4	BR____:	Bible Elective [300+ level]	3
<u>MA 481</u> :	<u>Seminar in Math Sciences</u>	1		Electives	8
	Electives	6			
	total	15		total	15

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. MA 165 may be taken in the fall semester of the sophomore year.
3. CS 111 and CS 117 may be taken in place of CS 116.
4. Must take 3 credits from either MA 490 or a computer science (CS) course numbered above 300.

*Indicates alternating year course.

Underlining indicates required for major.