

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

**COMPUTER SCIENCE B.S. DEGREE  
Mathematics Track**

**Advisor: Dr. Lehman**

Fall 2015			Spring 2016		
CS 111:	<u>Introduction to Computer Science</u>	4	CS 216:	<u>Programming II</u>	3
MA 165:	<u>Intro to Discrete Mathematics</u>	3	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	MI 285:	Core Curriculum Christian Faith	3
BR 111:	Biblical History and Literature	3		Core Curriculum Social Science	3
<b>total 16</b>			<b>total 15</b>		
Fall 2016			Spring 2017		
* CS 315:	<u>Comp Arch &amp; Assembler Lang</u>	4	* CS 245:	<u>System Anal &amp; Design Methods</u>	3
MA 171:	<u>Analytic Geometry &amp; Calculus I</u>	4	* CS 286:	<u>Visual Programming</u>	3
CO 215:	Public Speaking	3	MA 172:	<u>Analytic Geometry and Calculus II</u>	4
EX 101:	Wellness for Life	2		Core Curriculum Social Science	3
115:	Introduction to AR/DM/MU/TH	2		Elective	3
<b>total 15</b>			<b>total 16</b>		
Fall 2017			Spring 2018		
* CS 325:	<u>Data Structures</u>	4	PH 212:	<u>Principles of Physics II</u>	4
* CS 415:	<u>Database Management Systems</u>	3	BR____:	Bible Elective [300+ level]	3
PH 211:	<u>Principles of Physics I</u>	4		Creative Studio Arts	1
PL____:	Introduction to Philosophy/Ethics	3		Electives [300+ level] <sup>2</sup>	6
				Elective	2
<b>total 14</b>			<b>total 16</b>		
Fall 2018			Spring 2019		
* CS 425:	<u>Principles of Networking</u>	4	* CS 355:	<u>Operating Systems</u>	3
CS 435:	<u>Senior Project I: Anal &amp; Design</u>	3	CS 436:	<u>Senior Project II: Implementation</u>	3
	Electives	8	* MA 311:	<u>Elements of Linear Algebra</u>	4
			* PH 261:	<u>Analog &amp; Digital Electronics</u>	2
				Elective	3
<b>total 15</b>			<b>total 15</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. Majors must be careful in selection of electives so that a sufficient number of upper division courses are taken. A minimum of 36 hours of 300+ courses is required for graduation.

\*Indicates alternating year course.

Underlining indicates required for major.