

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 2016		Spring 2017			
<u>CS 111:</u>	<u>Introduction to Computer Science</u>	4	<u>CS 216:</u>	<u>Programming II</u>	3
<u>MA 165:</u>	<u>Intro to Discrete Mathematics</u>	3	* <u>CS 245:</u>	<u>System Anal & Design Methods</u>	3
HS 115:	Hist Persp on Cult & Civ I	3	HS 116:	Hist Persp on Cult & Civ II	3
EN 121:	Academic Writing and Research	3	EN 151:	Perspectives on Literature	3
BR 111:	Biblical History and Literature	3		Core Curriculum Social Science	3
total		16	total		15
Fall 2017		Spring 2018			
* <u>CS 325:</u>	<u>Data Structures</u>	4	<u>MA 172:</u>	<u>Analytic Geometry and Calculus II</u>	4
<u>MA 171:</u>	<u>Analytic Geometry & Calculus I</u>	4	MI 285:	Core Curriculum Christian Faith	3
CO 215:	Public Speaking	3		Core Curriculum Social Science	3
EX 101:	Wellness for Life	2		Electives [300+ level] ²	6
115:	Introduction to AR/DM/MU/TH	2			
total		15	total		16
Fall 2018		Spring 2019			
* <u>CS 315:</u>	<u>Comp Arch & Assembler Lang</u>	4	* <u>CS 286:</u>	<u>Visual Programming</u>	3
* <u>CS 425:</u>	<u>Principles of Networking</u>	4	* <u>CS 355:</u>	<u>Operating Systems</u>	3
<u>PH 211:</u>	<u>Principles of Physics I</u>	4	* <u>MA 311:</u>	<u>Elements of Linear Algebra</u>	4
PL____:	Introduction to Philosophy/Ethics	3	* <u>PH 261:</u>	<u>Analog & Digital Electronics</u>	2
			<u>PH 212:</u>	<u>Principles of Physics II</u>	4
total		15	total		16
Fall 2019		Spring 2020			
* <u>CS 415:</u>	<u>Database Management Systems</u>	3	<u>CS 436:</u>	<u>Senior Project II: Implementation</u>	3
<u>CS 435:</u>	<u>Senior Project I: Anal & Design</u>	3	BR____:	Bible Elective [300+ level]	3
	Electives	9		Creative Studio Arts	1
				Electives	7
total		15	total		14

NOTES:

- 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*).
- 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.