

# Huntington University

## Guide to Typical Programs, 2017-2021

# Computer Science (B.S. Degree)

## Mathematics Track

### Advisor: Dr. Lehman

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

Fall 2017	J-Term 2018	Spring 2018	Summer 2018
<u>CS 111: Intro to Computer Science</u> 4 <u>MA 165: Intro to Discrete Mathematics</u> 3 HS 115: Hist Persp on Cult & Civ I 3 EN 121: Academic Writing & Research 3 BR 111: Biblical History and Literature 3 <b>total 16</b>	Required J-Term 2 <b>total 2</b>	<u>CS 216: Programming II</u> 3 HS 116: Hist Persp on Cult & Civ II 3 EN 151: Perspectives on Literature 3 MI 285: Understand the Christian Faith 3 Core Curriculum Social Sci 3 <b>total 15</b>	<b>total</b>
Fall 2018	J-Term 2019	Spring 2019	Summer 2019
* <u>CS 315: Comp Arch &amp; Assemb Lang</u> 4 <u>MA 171: Calculus I</u> 4 CO 215: Public Speaking 3 EX 101: Wellness for Life 2 115: Intro to AR/DM/MU/TH 2 <b>total 15</b>	Required J-Term 2 <b>total 2</b>	* <u>CS 245: System Anal &amp; Design Meth</u> 3 * <u>CS 286: Visual Programming</u> 3 <u>MA 172: Calculus II</u> 4 Core Curriculum Social Sci 3 Electives [300+ level] <sup>2</sup> 3 <b>total 16</b>	<b>total</b>
Fall 2019	J-Term 2020	Spring 2020	Summer 2020
* <u>CS 325: Data Structures</u> 4 * <u>CS 415: Database Mgmt Systems</u> 3 <u>PH 211: Principles of Physics I</u> 4 PL____: Intro to Philosophy/Ethics 3 <b>total 14</b>	Required J-Term 2 <b>total 2</b>	<u>PH 212: Principles of Physics II</u> 4 BR____: Bible Elective [300+ level] 3 Creative Studio Arts 1 Electives 7 <b>total 15</b>	<b>total</b>
Fall 2020	J-Term 2021	Spring 2021	Summer 2021
* <u>CS 425: Principles of Networking</u> 4 <u>CS 435: Sr Project I: Anal &amp; Design</u> 3 Electives 9 <b>total 16</b>	<b>total</b>	* <u>CS 355: Operating Systems</u> 3 <u>CS 436: Sr Project II: Implementation</u> 3 * <u>MA 311: Linear Algebra</u> 3 * <u>PH 261: Analog &amp; Digital Electronics</u> 2 Electives [300+ level] <sup>2</sup> 3 <b>total 15</b>	<b>total</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.