

Huntington University

Guide to Typical Programs, 2018-2022

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 2018	J-Term 2019	Spring 2019	Summer 2019
<u>CS 111</u> : <u>Intro to Computer Science</u> 4 <u>MA 165</u> : <u>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 total 16	Required J-Term 2 total 2	<u>CS 216</u> : <u>Programming II</u> 3 * <u>CS 245</u> : <u>System Anal & Design Meth</u> 3 HS 116: Hist Persp on Cult & Civ II 3 EN 151: Perspectives on Literature 3 Core Curriculum Social Sci 3 total 15	total
Fall 2019	J-Term 2020	Spring 2020	Summer 2020
* <u>CS 325</u> : <u>Data Structures</u> 4 <u>MA 171</u> : <u>Calculus I</u> 4 CO 215: Public Speaking 3 EX 101: Wellness for Life 2 115: Intro to AR/DM/MU/TH 2 total 15	Required J-Term 2 total 2	<u>MA 172</u> : <u>Calculus II</u> 4 MI 285: Understand the Christian Faith 3 Core Curriculum Social Sci 3 Electives [300+ level] ² 6 total 16	total
Fall 2020	J-Term 2021	Spring 2021	Summer 2021
* <u>CS 315</u> : <u>Comp Arch & Assemb Lang</u> 4 * <u>CS 425</u> : <u>Principles of Networking</u> 4 <u>PH 211</u> : <u>Principles of Physics I</u> 4 PL____: Intro to Philosophy/Ethics 3 total 15	Required J-Term 2 total 2	* <u>CS 286</u> : <u>Visual Programming</u> 3 * <u>CS 355</u> : <u>Operating Systems</u> 3 * <u>MA 311</u> : <u>Linear Algebra</u> 3 <u>PH 212</u> : <u>Principles of Physics II</u> 4 * <u>PH 261</u> : <u>Analog & Digital Electronics</u> 2 total 15	total
Fall 2021	J-Term 2022	Spring 2022	Summer 2022
* <u>CS 415</u> : <u>Database Mgmt Systems</u> 3 <u>CS 435</u> : <u>Sr Project I: Anal & Design</u> 3 Electives 9 total 15	total	<u>CS 436</u> : <u>Sr Project II: Implementation</u> 3 BR____: Bible Elective [300+ level] 3 Creative Studio Arts 1 Electives 8 total 15	total

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.