

Huntington University

Guide to Typical Programs, 2022-2026

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 2022	Spring 2023	Summer 2023
<u>CS 111</u> : <u>Intro to Computer Science</u> 4 <u>MA 165</u> : <u>Intro to Discrete Mathematics</u> 3 <u>MA 171</u> : <u>Calculus I</u> 4 HS 115: Hist Persp on Cult & Civ I 3 EN 121: Academic Writing & Research 3 <p style="text-align: right;">total 17</p>	<u>CS 216</u> : <u>Programming II</u> 3 * <u>CS 245</u> : <u>Syst Analysis & Design Methods</u> 3 <u>MA 172</u> : <u>Calculus II</u> 4 HS 116: Hist Persp on Cult & Civ II 3 EN 151: Perspectives on Literature 3 <p style="text-align: right;">total 16</p>	total
Fall 2023	Spring 2024	Summer 2024
* <u>CS 325</u> : <u>Data Structures</u> 4 <u>PH 211</u> : <u>Principles of Physics I</u> 4 BT ___: <u>Introductory Bible</u> 3 CO 215: <u>Public Speaking</u> 3 <p style="text-align: right;">total 14</p>	<u>PH 212</u> : <u>Principles of Physics II</u> 4 MI 285: <u>Understand the Christian Faith</u> 3 EX 101: <u>Wellness for Life</u> 2 Core Curriculum Social Sci 3 Elective [300+ level] ² 3 <p style="text-align: right;">total 15</p>	total
Fall 2024	Spring 2025	Summer 2025
* <u>CS 315</u> : <u>Comp Arch & Assemb Lang</u> 4 * <u>CS 425</u> : <u>Principles of Networking</u> 4 PL ___: <u>Intro to Philosophy/Ethics</u> 3 Creative Studio Arts 1 Elective [300+ level] ² 3 <p style="text-align: right;">total 15</p>	* <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 261</u> : <u>Analog & Digital Electronics</u> 2 Core Curriculum Social Sci 3 <p style="text-align: right;">total 14</p>	total
Fall 2025	Spring 2026	Summer 2026
* <u>CS 415</u> : <u>Database Mgmt Systems</u> 3 <u>CS 435</u> : <u>Sr Project I: Analysis & Design</u> 3 Electives 9 <p style="text-align: right;">total 15</p>	<u>CS 436</u> : <u>Sr Project II: Implementation</u> 3 BT ___: <u>Bible Elective [300+ level]</u> 3 115: <u>Intro to AR/DM/MU/TH</u> 2 Electives 6 <p style="text-align: right;">total 14</p>	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.