

# Huntington University

## Guide to Typical Programs, 2023-2027

# Computer Science (B.S. Degree)

## Advisor: Dr. Lehman

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

Fall 2023	Spring 2024	Summer 2024
<u>CS 111:</u> <u>Intro to Computer Science</u> 3 <u>MA 165:</u> <u>Intro to Discrete Mathematics</u> 3 EN 121: Academic Writing & Research 3 EX 101: Wellness for Life 2 HS 115: Hist Persp on Cult & Civ I 3 SS 111: First-Year Seminar 1 <p style="text-align: right;"><b>total 15</b></p>	<u>CS 216:</u> <u>Software Development</u> 3 <u>MA 150:</u> <u>Intro to Data Analytics<sup>2</sup></u> 3 BT ____: Introductory Bible 3 EN 151: Perspectives on Literature 3 HS 116: Hist Persp on Cult & Civ II 3 <p style="text-align: right;"><b>total 15</b></p>	<b>total</b>
Fall 2024	Spring 2025	Summer 2025
* <u>CS 315:</u> <u>Comp Arch &amp; Assemb Lang</u> 3 MI 285: Understand the Christian Faith 3 115: Intro to AR/DM/MU/TH 2 Laboratory Science 4 Elective 3 <p style="text-align: right;"><b>total 15</b></p>	* <u>CS 386:</u> <u>Visual Programming</u> 3 CO 215: Public Speaking 3 Creative Studio Arts 1 Laboratory Science 4 Elective 4 <p style="text-align: right;"><b>total 15</b></p>	<b>total</b>
Fall 2025	Spring 2026	Summer 2026
* <u>CS 325:</u> <u>Data Structures &amp; Algorithms</u> 3 * <u>CS 415:</u> <u>Database Mgmt Systems</u> 3 Core Curriculum Social Science 3 Electives 6 <p style="text-align: right;"><b>total 15</b></p>	* <u>CS 175:</u> <u>Web Scripting</u> 3 * <u>CS 362:</u> <u>Artificial Intelligence &amp; Mach Lrn</u> 3 Core Curriculum Social Science 3 Electives 6 <p style="text-align: right;"><b>total 15</b></p>	<b>total</b>
Fall 2026	Spring 2027	Summer 2027
* <u>CS 425:</u> <u>Principles of Networking</u> 3 <u>CS 435:</u> <u>Sr Project I: Analysis &amp; Design</u> 3 PL____: Intro to Philosophy/Ethics 3 Electives 6 <p style="text-align: right;"><b>total 15</b></p>	* <u>CS 355:</u> <u>Operating Systems &amp; Cloud Comp</u> 3 <u>CS 436:</u> <u>Sr Project II: Implementation</u> 3 BT____: Bible Elective [300+ level] 3 Electives [300+ level] <sup>4</sup> 6 <p style="text-align: right;"><b>total 15</b></p>	<b>total</b>

### 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*).
- MA 171 may be taken in place of MA 150.
- Students are encouraged to minor in cyber security, mathematics, business, graphic design, or another application area.
- 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.