# Huntington University
## Guide to Typical Programs, 2019-2023

# 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 2019 | | | J-Term 2020 | | Spring 2020 | | | Summer 2020 |
|---|---|---|---|---|---|---|---|---|
| CS 111: | Intro to Computer Science | 4 | Required J-Term | 2 | CS 216: | Programming II | 3 | |
| MA 165: | Intro to Discrete Mathematics | 3 | | | HS 116: | Hist Persp on Cult & Civ II | 3 | |
| HS 115: | Hist Persp on Cult & Civ I | 3 | | | EN 151: | Perspectives on Literature | 3 | |
| EN 121: | Academic Writing & Research | 3 | | | MI 285: | Understand the Christian Faith | 3 | |
| BR 111: | Biblical History and Literature | 3 | | | | Core Curriculum Social Sci | 3 | |
| | **total** | **16** | **total** | **2** | | **total** | **15** | **total** |
| **Fall 2020** | | | **J-Term 2021** | | **Spring 2021** | | | **Summer 2021** |
| * CS 315: | Comp Arch & Assemb Lang | 4 | Required J-Term | 2 | * CS 245: | System Anal & Design Meth | 3 | |
| MA 171: | Calculus I | 4 | | | * CS 286: | Visual Programming | 3 | |
| CO 215: | Public Speaking | 3 | | | MA 172: | Calculus II | 4 | |
| EX 101: | Wellness for Life | 2 | | | | Core Curriculum Social Sci | 3 | |
| 115: | Intro to AR/DM/MU/TH | 2 | | | | Electives [300+ level][2] | 3 | |
| | **total** | **15** | **total** | **2** | | **total** | **16** | **total** |
| **Fall 2021** | | | **J-Term 2022** | | **Spring 2022** | | | **Summer 2022** |
| * CS 325: | Data Structures | 4 | Required J-Term | 2 | PH 212: | Principles of Physics II | 4 | |
| * CS 415: | Database Mgmt Systems | 3 | | | BR____: | Bible Elective [300+ level] | 3 | |
| PH 211: | Principles of Physics I | 4 | | | | Electives | 8 | |
| PL____: | Intro to Philosophy/Ethics | 3 | | | | | | |
| | **total** | **14** | **total** | **2** | | **total** | **15** | **total** |
| **Fall 2022** | | | **J-Term 2023** | | **Spring 2023** | | | **Summer 2023** |
| * CS 425: | Principles of Networking | 4 | | | * CS 355: | Operating Systems | 3 | |
| CS 435: | Sr Project I: Anal & Design | 3 | | | CS 436: | Sr Project II: Implementation | 3 | |
| | Electives | 9 | | | * MA 311: | Linear Algebra | 3 | |
| | | | | | * PH 261: | Analog & Digital Electronics | 2 | |
| | | | | | | Creative Studio Arts | 1 | |
| | | | | | | Electives [300+ level][2] | 3 | |
| | **total** | **16** | **total** | | | **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.