

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

COMPUTER SCIENCE B.S. DEGREE
Information Systems Track

Advisor: Dr. Lehman

| Fall 2014 | | Spring 2015 | | | |
|-----------|---|-------------|-----------|--|-----------|
| CS 116: | <u>Computer Concepts & Program I</u> ² | 4 | CS 216: | <u>Programming II</u> | 3 |
| MA 165: | <u>Intro to Discrete Mathematics</u> | 3 | MA 161: | <u>Math for Manager & Soc Science</u> | 4 |
| HS 115: | Hist Persp on Cult & Civ I | 3 | HS 116: | Hist Persp on Cult & Civ II | 3 |
| EN 121: | Academic Writing and Research | 3 | EN 151: | Perspectives on Literature | 3 |
| BR 111: | Biblical History and Literature | 3 | | Core Curriculum Social Science | 3 |
| | total | 16 | | total | 16 |
| Fall 2015 | | Spring 2016 | | | |
| BA 252: | <u>Business Organization and Mgmt</u> | 3 | * CS 175: | <u>Web Scripting</u> | 3 |
| * CS 325: | <u>Data Structures</u> | 4 | | <u>Info Systems Track Elective</u> ⁴ | 3 |
| | <u>Info Systems Track Elective</u> ⁴ | 3 | MI 285: | Core Curriculum Christian Faith | 3 |
| EX 101: | Wellness for Life | 2 | 115: | Introduction to AR/DM/MU/TH | 2 |
| | Core Curriculum Social Science | 3 | | Laboratory Science | 4 |
| | total | 15 | | total | 15 |
| Fall 2016 | | Spring 2017 | | | |
| * CS 315: | <u>Comp Arch & Assembler Lang</u> | 4 | * CS 245: | <u>System Anal & Design Methods</u> | 3 |
| * CS 425: | <u>Principles of Networking</u> | 4 | * CS 286: | <u>Visual Programming</u> | 3 |
| | Laboratory Science | 4 | * CS 355: | <u>Operating Systems</u> | 3 |
| | Elective | 3 | * PH 261: | <u>Analog & Digital Electronics</u> | 2 |
| | | | CO 215: | Public Speaking | 3 |
| | | | | Creative Studio Arts | 1 |
| | total | 15 | | total | 15 |
| Fall 2017 | | Spring 2018 | | | |
| * CS 415: | <u>Database Management Systems</u> | 3 | CS 436: | <u>Senior Project II: Implementation</u> | 3 |
| CS 435: | <u>Senior Project I: Anal & Design</u> | 3 | CS 495: | <u>Internship in Computer Science</u> ³ | 3 |
| PL____: | Introduction to Philosophy/Ethics | 3 | BR____: | Bible Elective [300+ level] | 3 |
| | Electives | 6 | | Electives [300+ level] ⁵ | 6 |
| | total | 15 | | total | 15 |

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*).
- CS 111 and CS 117 may be taken in place of CS 116.
- Three credits must be taken from CS 331, 490, or 495.
- Six hours must be taken from AC 241, EB 211, BA 213, 281 or 331.
- 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.