# COMPUTER SCIENCE, B.S.

## Torrey Hnrs Seq

**NOTE**: The course sequence table is designed by the major department and is one way that the classes will work out properly in sequence for your major. However, there are alternative or flexible ways to rotate some of the classes within the same year/level and sometimes between year levels. Please contact your major department advisor to discuss flexible alternatives in scheduling the sequence of your classes.

Taking coursework during the summer session may also be an option to accelerate your degree path.

See Core Curriculum Program section (http://catalog.biola.edu/general-information/undergraduate-core-curriculum-program/) for a list of approved Core Curriculum courses.

- **Standard Computer Science (p. 1)**
- **Data Science and Information Systems (p. 1)**

## Computer Science, B.S. Standard Computer Science (CSST)

**First Year**

| Fall | Credits | Spring | Credits |
|---|---|---|---|
| HNRS 101 | 4 | HNRS 105 | 4 |
| HNRS 102 | 4 | HNRS 106 | 4 |
| CSCI 105 | 3 | CSCI 106 | 3 |
| GNST 102 | 1 | MATH 151 | 4 |
| MATH 150 | 4 | MATH 203 | 3 |
| | **16** | | **18** |

**Second Year**

| Fall | Credits | Spring | Credits |
|---|---|---|---|
| HNRS 210 | 4 | HNRS 230 | 4 |
| HNRS 215 | 4 | HNRS 231 | 4 |
| CSCI 230 | 3 | CSCI 220 | 3 |
| MATH 291 | 3 | Foreign Language (see Core Curriculum) | 4 |
| Science (see Core Curriculum) | 3 | | |
| | **17** | | **15** |

**Third Year**

| Fall | Credits | Spring | Credits |
|---|---|---|---|
| HNRS 324 | 4 | HNRS 337 | 4 |
| HNRS 326 | 2 | HNRS 339 | 2 |
| CSCI 311 | 3 | CSCI 430 | 3 |
| CSCI 335 | 3 | CSCI Elective (upper-division) | 3 |
| CSCI 400 | 3 | MATH 321 or 333 | 3 |
| | | KNES Activity (see Core Curriculum) | 1 |
| | **15** | | **16** |

**Fourth Year**

| Fall | Credits | Spring | Credits |
|---|---|---|---|
| HNRS 443 | 4 | HNRS 458 | 4 |
| CSCI Elective (upper-division) | 3 | BBST 465 | 3 |
| CSCI or MATH Elective (upper-division) | 3 | CSCI 450 | 3 |
| ENGL 313 | 3 | CSCI or MATH Elective (upper-division) | 3 |
| KNES 107 | 1 | | |
| | **14** | | **13** |

**Total Credits 124**

Note: Those that took at least 2 years of a foreign language in high school need not take a foreign language class. At most 8 credits may be obtained through KNES classes; at most 8 credits may be obtained through applied music classes. At least one of MATH 321 and MATH 333 must be taken.

## Computer Science, B.S. Data Science and Information Systems (CSDI)

**First Year**

| Fall | Credits | Spring | Credits |
|---|---|---|---|
| HNRS 101 | 4 | HNRS 105 | 4 |
| HNRS 102 | 4 | HNRS 106 | 4 |
| CSCI 105 | 3 | CSCI 106 | 3 |
| GNST 102 | 1 | MATH 203 | 3 |
| MATH 140 or 150 | 3 | MATH 210 or 318 | 3 |
| | **15** | | **17** |

**Second Year**

| Fall | Credits | Spring | Credits |
|---|---|---|---|
| HNRS 210 | 4 | HNRS 230 | 4 |
| HNRS 215 | 4 | HNRS 231 | 4 |
| BUSN 220 | 3 | CSCI 220 | 3 |
| CSCI 230 | 3 | CSCI/BUSN/MATH Elective | 3 |
| Foreign Language (see Core Curriculum) | 4 | CSCI/BUSN/MATH Elective | 3 |
| | **18** | | **17** |

**Third Year**

| Fall | Credits | Spring | Credits |
|---|---|---|---|
| HNRS 324 | 4 | HNRS 337 | 4 |
| HNRS 326 | 2 | HNRS 339 | 2 |
| CSCI 311, 305, or 335 | 3 | CSCI 306 or CSCI/BUSN/MATH Elective | 3 |
| CSCI Elective (upper-division) | 3 | CSCI 430 | 3 |
| KNES 107 | 1 | ENGL 313 | 3 |
| | | KNES Activity (see Core Curriculum) | 1 |
| | **13** | | **16** |

**Fourth Year**

| Fall | Credits | Spring | Credits |
|---|---|---|---|
| HNRS 443 | 4 | HNRS 458 | 4 |
| BUSN 323 | 3 | BBST 465 | 3 |
| CSCI 402 | 3 | CSCI 450 | 3 |
| CSCI Elective (upper-division) | 3 | CSCI 306 or CSCI/BUSN/MATH Elective | 3 |
| Science (see Core Curriculum) | 3 | | |
| | **16** | | **13** |

**Total Credits 125**

Note: Those that took at least 2 years of a foreign language in high school need not take a foreign language class. At most 8 credits may be obtained through KNES classes; at most 8 credits may be obtained through applied music classes.