*Business Division*

**130**

**CSCU Pathway Transfer A.A./A.S. Degree**

**COMPUTER SCIENCE STUDIES**

*General education core course listings and definitions appear on pages 53 and 54. Placement testing will determine the sequencing of courses. Additional courses may be required.* ***In order to graduate and be guaranteed admission to a CT State University or to Charter Oak State College, you must earn an overall 2.0 GPA.***

|  |  |  |
| --- | --- | --- |
| **Competency or Program Requirement** | **Course Number and Title** | Required Credits |
| **FIRST SEMESTER** |  |  |
| Critical Analysis and Logical Thinking/  Written Communication | ENG\*H101 Composition | 3 |
| Quantitative Reasoning | MAT\*H186 Pre-Calculus | 4 |
| Scientific Reasoning[[1]](#endnote-1) | BIO\*H121, CHE\*H121, or PHY\*H221 | 4 |
| Program Requirement | CSC\*H113 Programming I[[2]](#endnote-2) | 3 |
| **SECOND SEMESTER** |  |  |
| Scientific Knowledge1 | BIO\*H122, CHE\*H122, or PHY\*H222 | 4 |
| Written Communication | Choose any Written  Communication listed | 3 |
| Program Requirement | CSC\*H229 Programming II[[3]](#endnote-3) | 3 |
| Program Requirement | MAT\*H254 Calculus I1 | 4 |
| **THIRD SEMESTER** |  |  |
| Aesthetic Dimensions/Written  Communications | Choose any Aesthetic Dimensions/  Written Communications listed | 3 |
| Historical Knowledge | Choose any Historical Knowledge listed | 3 |
| Social Phenomena | Choose any Social Phenomena listed | 3 |
| Program Requirement | CSC\*H231 Database Design I1 | 3 |
| Program Requirement | MAT\*H256 Calculus II2 | 4 |
| **FOURTH SEMESTER** |  |  |
| Continuing Learning/Information  Literacy/Ethics | Choose any Continuing Learning/  Information Literacy/Ethics listed | 3 |
| Oral Communication | Choose any Oral Communication listed | 3 |
| Program Requirement | CSC\*H227 Web Programming with  Java | 3 |
| Program Requirement | EET\*H252 Digital Electronics2 | 4 |
| Program Requirement | MAT\*H210 Discrete Math1 | 3 |

**Total Credits: 60**

*Any given course may only be used to satisfy one of the competency areas even if it is listed under more than one.*

1. You must choose the second course in the sequence you began in the first semester; choose from:

   BIO\*H121 ► BIO\*H122 General Biology II

   CHE\*H121 ► CHE\*H122 General Chemistry II PHY\*H221 ► PHY\*H222 Calculus -based Physics II [↑](#endnote-ref-1)
2. Must earn a C or above on these courses.

   See Engineering Department to discuss waive of prerequisites for EET\*H252 Digital Electronics agreement on this for Pathway Transfer students. [↑](#endnote-ref-2)
3. Must earn a C- or above on these courses. [↑](#endnote-ref-3)