ADT Submission Form for Computer Science CCC Major or Area of Emphasis: Computer Science

**TOP Code:** 070600

**CSU Major(s):** Computer Science

**Total Units:** 28 *(all units are minimum semester units)*

Form # 2007

Rev. 3: 10/14/16

In the four columns to the right under the **College Program Requirements**, enter the college’s course identifier, title and the number of units comparable to the course indicated for the Form. If the course may be double-counted with Cal-GETC, enter the GE Area to which the course is articulated. To review the GE Areas and associated unit requirements, please go to Chancellor’s Office Academic Affairs page, RESOURCE section located at:

[https://www.cccco.edu/About-Us/Chancellors-Office/Divisions/Educational-Services-and-Support/What-we-do/Curriculum-and-](https://www.cccco.edu/About-Us/Chancellors-Office/Divisions/Educational-Services-and-Support/What-we-do/Curriculum-and-Instruction-Unit/Templates-For-Approved-Transfer-Model-Curriculum) [Instruction-Unit/Templates-For-Approved-Transfer-Model-Curriculum](https://www.cccco.edu/About-Us/Chancellors-Office/Divisions/Educational-Services-and-Support/What-we-do/Curriculum-and-Instruction-Unit/Templates-For-Approved-Transfer-Model-Curriculum) or the ASSIST website: [https://www.assist.org/.](https://www.assist.org/)

The units indicated in the template are the **minimum** semester units required for the prescribed course or list. All courses must be CSU transferable. ***All courses with an identified C-ID Descriptor must be submitted to C-ID prior to submission of the Associate Degree for Transfer (ADT) proposal to the Chancellor’s Office.***

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| **Associate in Science in Computer Science for Transfer Degree College Name:** |
| **TRANSFER MODEL CURRICULUM (TMC)** | **COLLEGE PROGRAM REQUIREMENTS** |
| **Course Title (units)** | **C-ID****Descriptor** | **Course ID** | **Course Title** | **Units** |  **Cal-GETC** |
| **REQUIRED CORE:** (28 units) |  |  |  |  |  |
| Programming Concepts and Methodology I (CS1) (3) | COMP 122 |  |  |  |  |
| Programming Concepts and Methodology II (CS2) (3) | COMP 132 |  |  |  |  |
| Computer Architecture and Organization (3) | COMP 142 |  |  |  |  |
| Discrete Structures (3) | COMP 152 |  |  |  |  |

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| **TRANSFER MODEL CURRICULUM (TMC)** | **COLLEGE PROGRAM REQUIREMENTS** |
| **Course Title (units)** | **C-ID****Descriptor** | **Course ID** | **Course Title** | **Units** |  **Cal-GETC** |
| Single Variable Calculus I – Early Transcendentals (4)**AND**Single Variable Calculus II – Early Transcendentals (4)**OR**Single Variable Calculus I – Late Transcendentals (4)**AND**Single Variable Calculus II – Late Transcendentals (4)**OR**Single Variable Calculus Sequence (8) | MATH 210**AND**MATH 220**OR**MATH 211**AND**MATH 221**OR**MATH 900S |  |  |  |  |
| Calculus-Based Physics for Scientists and Engineers: A |  PHYS 205 |  |  |  |  |
| Calculus-Based Physics for Scientists and Engineers: B (4)**OR**Cell and Molecular Biology (4)**OR**Organismal Biology (4)**OR**General Chemistry for Science Majors I, with Lab (5) | PHYS 210 ORBIOL 190 ORBIOL 140 ORCHEM 110 |  |  |  |  |
| **Total Units for the****Major:** | **28-29\*** | **Total Units for the Major:** |  |  |
|  | **Total Units that may be double-counted (*The transfer GE Area limits must not be exceeded)*** |  |
| **General Education (Cal-GETC) Units** | **34** |
| **Elective Units** |  |
| **Total Degree Units (maximum)** | **60** |

**Notes and History**

Summary of Feedback Including Issues and Concerns - Items of concern from the vetting process, along with the results of a direct survey of the CSUs involved (with a high response rate), were addressed: Requirement of Physics and Calculus. After reviewing the feedback, and in light of separate ABET accreditation requirements for Computer Science programs, the FDRG determined that students would continue to need both Calculus courses to be successful. To allow many more community colleges to implement this TMC, however, two alternatives to PHYS 210 were implemented which students could double-count for GE, specifically to meet Area B2.