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| **Transfer Model Curriculum (TMC) Template for Computer Science** | | Template # 2007 |
| **CCC Major or Area of Emphasis:** Computer Science | | Rev. 1: 03/01/13 |
| **TOP Code:** 070600 |  |  | |
| **CSU Major(s):** Computer Science |  |  | |
| **Total Units:** 28*(all units are semester units)* |  |  | |

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 TMC. If the course may be double-counted with either CSU-GE or IGETC, 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:

<http://extranet.cccco.edu/Divisions/AcademicAffairs/CurriculumandInstructionUnit/TransferModelCurriculum.aspx> or the ASSIST website: <http://web1.assist.org/web-assist/help/help-csu_ge.html>.

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 must be submitted to C-ID prior to completing the Associate Degree for Transfer (ADT) proposal for Chancellor’s Office approval.***

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| **Associate in Science in Computer Science for Transfer Degree**  **College Name:** **Los Medanos College** | | | | | |
| **TRANSFER MODEL CURRICULUM (TMC)** | | **COLLEGE PROGRAM REQUIREMENTS** | | | |
| **Course Title (units)** | **C-ID Descriptor** | **Course ID** | **Course Title** | **Units** | **CSU GE/**  **IGETC Area** |
| **REQUIRED CORE:** (28 units) |  |  |  |  |  |
| Programming Concepts and Methodologies I (CS1) (3) | COMP 122 | COMSC 122 | Programming Concepts and Methodologies I | 3 |  |
| Programming Concepts and Methodologies II (CS2)(3) | COMP 132 | COMSC 132 | Programming Concepts and Methodologies II | 3 |  |
| Computer Architecture and Organization (3) | COMP 142 | COMSC 142 | Computer Architecture and Organization | 3 |  |
| Discrete Structures (3) | COMP 152 | MATH 160 | Discrete Math | 4 |  |
| Single Variable Calculus I and II – Early Transcendentals (8)  OR  Single Variable Calculus I and II – Late Transcendentals (8)  OR  Single Variable Calculus Sequence (8) | MATH 210 and 220  MATH 211 and 221  MATH 900S | MATH 60 and 70 | Calculus and Analytic Geometry I and II | 8 | B4/2A |
| Calculus-based Physics for Scientists and Engineers: A (4) | PHYS 205 | PHYS 40 | Physics for Scientists and Engineers I | 4 | B1&B3/5A |
| Calculus-based Physics for Scientists and Engineers: B (4) | PHYS 210 | PHYS 41 | Physics for Scientists and Engineers II | 4 | B1&B3/5A |
| **Total Units for the Major:** | **28** | **Total Units for the Major:** | | 29 |  |
|  | | **Total Units that may be double-counted**  **(*Ensure that the total for each Area does not exceed the limit for the specific Area)*** | | | 7 |
| **General Education (CSU GE or IGETC) Units** | | | 31 |
| **Elective (CSU Transferable) Units** | | | 0 |
| **Total Degree Units (maximum)** | | | **60** |