ADT Submission Form for Physics CCC Major or Area of Emphasis: Physics

**TOP Code:** 190200

**CSU Major(s):** Physics; Physics Education

**Total Units:** 24 *(all units are minimum semester units)*

Form # 2005 Rev. 3: 09/01/14

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/>.

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 Physics for Transfer Degree College Name: LOS ANGELES PIERCE COLLEGE** | | | | | |
| **TRANSFER MODEL CURRICULUM (TMC)** | | **COLLEGE PROGRAM REQUIREMENTS** | | | |
| **Course Title (units)** | **C-ID**  **Descriptor** | **Course ID** | **Course Title** | **Units** | **Cal-GETC** |
| **REQUIRED CORE:** (24 units) |  |  | | | |
| Calculus-Based Physics for Scientists and Engineers: ABC (12) | PHYS 200S |  |  |  |  |
| **OR** | |  | | | |
| Calculus-Based Physics for Scientists and Engineers: A (4)  Calculus-Based Physics for Scientists and Engineers: B (4)  Calculus-Based Physics for Scientists and Engineers: C (4) | PHYS 205  PHYS 210  PHYS 215 | PHYSICS 101  PHYSICS 102  PHYSICS 103 | Physics for Engineers and Scientists I  Physics for Engineers and Scientists II  Physics for Engineers and Scientists III | 5  5  5 | 5A & 5C  5A & 5C  5A & 5C |
| **Select 1 of 2 options**  **Option 1:** (12 units) | |  | | | |

Form # 2005 1 Form Date: 05/23/11

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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 Sequence (8) ***and*** Multivariable Calculus (4)  **OR**  Single Variable Calculus I – Early Transcendentals (4) ***and***  Single Variable Calculus II – Early Transcendentals (4) ***and***  Multivariable Calculus (4)  **OR**  Single Variable Calculus I – Late Transcendentals (4) ***and***  Single Variable Calculus II – Late Transcendentals (4) ***and***  Multivariable Calculus (4) | MATH 900S  MATH 230  MATH 210  MATH 220  MATH 230  MATH 211  MATH 221  MATH 230 | MATH 261  AND  MATH 262  AND  MATH 263 | Calculus I  Calculus II  Calculus III | 5  5  5 | 2A  2A |
| **Total Units for the Major:** | **24** | **Total Units for the Major:** | | 30 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TRANSFER MODEL CURRICULUM (TMC)** | | **COLLEGE PROGRAM REQUIREMENTS** | | | |
| **Course Title (units)** | **C-ID**  **Descriptor** | **Course ID** | **Course Title** | **Units** |  |
|  | | **Total Units that may be double-counted (*The transfer GE Area limits must not be exceeded)*** | | | 7 |
| **General Education (Cal-GETC) Units** | | | **34** |
| **Elective Units** | | | 3 |
| **Total Degree Units (maximum)** | | | **60** |