

**Associate in Science in Physics for Transfer**

**Effective: Spring 2017**

Students completing theAssociate in Science in Physicsfor Transfer will have satisfied the lower division major preparation for bachelor’s degrees in similar majors as determined by California State University (CSU) campuses and are guaranteed admission with junior status to the California State University system, although not to a particular campus or major.  Students can use the website ADT Search by CSU Campus to find CSU campuses that accept ADT degrees as being similar to their bachelor’s degree majors: https://www.calstate.edu/apply/transfer/Pages/associate-degree-for-transfer-major-and-campus-search.aspx.

To earn an Associate Degree for Transfer, students must complete 60 semester units (or 90 quarter units) of coursework that is transferable to the California State University with an overall GPA of 2.0 or higher, and also complete each of the following requirements:

(1) Major/Area of Emphasis: A minimum of 18 semester units (27 quarter units) of coursework, with a C or higher earned for each course or P if taken on a Pass/No Pass basis, as required by the Los Angeles Community College District (LACCD) (Title 5 §55062).

(2) General Education: Completion of the California General Education Transfer Curriculum (Cal-GETC) course requirements, with a C or higher earned for each course or P if taken on a Pass/No Pass basis (34 semester/45 quarter units).

(3) Residency: A minimum of 12 units must be completed within the LACCD (Title 5 §55062).

**Courses taken outside of LA Pierce College must be evaluated counselor to ensure they meet AD-T requirements.**

C = Completed IP = In Progress N = Need

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| **Required Courses** |  |  | **Units** | **C/IP/N** |
| MATH 261: Calculus I |  |  | 5 |  |
| MATH 262: Calculus II |  |  | 5 |  |
| MATH 263: Calculus III |  |  | 5 |  |
| PHYSICS 101: Physics for Engineers and Scientists I |  |  | 5 |  |
| PHYSICS 102: Physics for Engineers and Scientists II |  |  | 5 |  |
| PHSYICS 103: Physics for Engineers and Scientists III |  |  | 5 |  |
| Course/College/Exam: |  |  |  |  |
| **Total units required for the major** |  |  | **30** |  |

**Note: The following majors at CSUN require specific courses from this AD-T and/or ASSIST.ORG: Physics/Bachelor of Arts; Physics/Bachelor of Science and Physics/Bachelor of Science – Astrophysics Option. If these courses are not completed at LA Pierce then they must be completed at CSUN once you transfer. Check the CSUN ADT/STAR ACT Degree Roadmaps website for the most up-to-date information:** [**https://catalog.csun.edu/resources/road-map/star-act/**](https://catalog.csun.edu/resources/road-map/star-act/)

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| **Required General Education Plan** |

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| Cal-GETC  Grade of “C” or better required in each course. | 34 units |

**Note for Counselors – TMC Minimum Units**

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| --- | --- | --- | --- |
| Course | TMC Units | Pierce Course Number | Pierce Units |
| Calculus-Based Physics for Scientists and Engineers: A | 4 | PHYSICS 101 | 5 |
| Calculus-Based Physics for Scientists and Engineers: B | 4 | PHYSICS 102 | 5 |
| Calculus-Based Physics for Scientists and Engineers: C | 4 | PHYSICS 103 | 5 |
| Single Variable Calculus I – Early Transcendentals | 4 | MATH 261 | 5 |
| Single Variable Calculus II – Early Transcendentals | 4 | MATH 262 | 5 |
| Multivariable Calculus | 4 | MATH 263 | 5 |
| Total | 24 |  | 30 |

**Quarter Unit Value**

The following guidelines should be followed to apply quarter units to ADTs as specified in the TMC per the LACCD District Academic Senate ADT Reciprocity Guidelines:

1 quarter unit minimum = 1 semester unit

2 quarter units minimum = 2 semester units

4 quarter unit minimum = 3, 4 or 5 semester units