

**TRANSFER GUIDE**  
**Physics**  
**Colorado State University**

*For a student to be accepted into a capped major minimum requirements for entrance into the major must be met. Certain majors have a limited number of spaces available on a competitive basis, and not all students who apply will be accepted into that major.*

**Section I: Degree/Program Requirements**

A. Institutional graduation requirements for this degree program.

The graduation requirements for a transfer student pursuing this major will be no different than the graduation requirements for a native student, including the minimum number of semester hours required for graduation. Specifically, the student must meet the following requirements:

- Successfully complete at least 42 upper division credit hours, 30 of which must be CSU credits;
- Meet any minimum grade requirements reported on department website.

B. Required courses in Major, including prerequisites and required Support courses in the chart below:

**COMMUNITY COLLEGE COURSES:** Courses to be taken as part of completed AA/AS degree to guarantee the completion of a baccalaureate degree in 60 additional credits after transfer:

| Community College | Colorado State University Equivalent |
|-------------------|--------------------------------------|
| PHY211/212        | PH CC141/142                         |
| CHE111            | C CC111/112                          |
| CHE112            | C 113/114                            |
| MAT201/202        | M CC160/161                          |
| CSC241            | CSCC153                              |

**Degree Completion Requirements (CSU)**

|                                     | Course Number | Course Name               | Credit Hours |
|-------------------------------------|---------------|---------------------------|--------------|
| <b>Required Major Courses (CSU)</b> |               |                           |              |
|                                     | PH 245        | Electronics               | 3            |
|                                     | PH 314        | Modern Physics            | 4            |
|                                     | PH 315        | Modern Physics Lab        | 2            |
|                                     | PH 325        | Adv. Physics Lab          | 2            |
|                                     | PH 341        | Mechanics                 | 4            |
|                                     | PH 351        | Electricity and Magnetism | 4            |
|                                     | PH 353        | Optics and Waves          | 4            |
|                                     | PH 361        | Physical Thermodynamics   | 3            |
|                                     | PH 451        | Quantum Mechanics I       | 3            |
|                                     | PH 452        | Quantum Mechanics II      | 3            |

|  |                             |  |     |
|--|-----------------------------|--|-----|
|  | PH 461                      | Statistical Physics                                      | 3   |
|  | PH 492                      | Seminar  | 1   |
| <b>Elective Major Courses (credit hours)</b>       |                             |  |     |
|  |                             | Technical Electives                                      | 8   |
|  |                             | Unrestricted Electives                                   | 5   |
| <b>Required support courses</b>                    |                             |  |     |
|  | JTCC 300<br>or<br>COCC 301B | Technical Communications<br>Writing in Discip - Sciences | 3   |
|  | M 340                       | Intro. Differential Equations                            | 4   |
|  | M 261                       | Calculus for Phys. Scientists III                        | 4   |
| <b>Other graduation requirements</b>               |                             |  |     |
| <b>Graduation Requirements beyond AA/AS degree</b> |                             |  | 60  |
| <b>Associate of Arts/Science Degree</b>            |                             |  | 60  |
| <b>TOTAL GRADUATION REQUIREMENTS</b>               |                             |  | 120 |

## Section II: Transfer Of Credit

If you need more information about transfer course equivalency, please access <http://tes.colostate.edu/>.

- A. Grade Eligibility.  
Only academic courses with a letter grade of "C-" or better are transferable. The four-year institution will accept and count toward meeting graduation requirements all state guaranteed general education courses that have a grade of C- or better.
- B. Credits received for a particular advanced placement test will vary by academic area. See <http://www.colostate.edu/Depts/Registrar/transfer.htm#advplace> for more information. Further, CSU accepts scores of 4 and above on international baccalaureate tests.
- C. The four-year college or university will accept all approved credits earned within ten years of transfer. Courses earned more than ten years earlier may be evaluated on an individual basis.
- D. The institution may apply a state guaranteed general education course toward the major or other graduation requirements if that facilitates the student's graduation more effectively.

## Section III: Appeals Process

- A. Institutional Appeal Process

Students who follow this agreement shall have the right to appeal a transfer decision that appears to be inconsistent with the terms and courses listed in this agreement. Appeals pertaining to this transfer guide should be filed with the institution. A student may file an appeal that pertains to state guaranteed general education courses directly to CCHE.

B. State Appeal

For information on the student appeal process, refer to Student Appeal Policy at [www.state.co.us/cche/policy/q&aappeals](http://www.state.co.us/cche/policy/q&aappeals) or [www.state.co.us/cche/policy/l-partt.pdf](http://www.state.co.us/cche/policy/l-partt.pdf).

*Approved by Department of Physics on July 14, 2004 at CSU*