

**TRANSFER GUIDE 2007-2008**  
**Physics Major, Bachelor of Science**  
**University of Colorado at Colorado Springs**

**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:

- Complete in not more than 120 credit hours;
- Transfer an Associate of Science (AS) degree of 60 credit hours;
- Successfully complete a minimum of 48 credit hours in the major (includes both community college and UCCS courses);
- Successfully complete a minimum of 24 upper-division credit hours in the major;
- Successfully complete at least **45** upper division credit hours.
- Students are required to complete one course in Oral Communication, Cultural Diversity, and Global Awareness. These courses may be within the major, part of general education or electives.

B. Required courses in Major, including pre-requisites and required Support courses in the chart below:

<b>COMMUNITY COLLEGE REQUIRED COURSES:</b> Required courses to be taken as part of AS degree to guarantee the completion of a baccalaureate degree in 60 additional credits after transfer.			
<i>For AS Requirement</i>	<i>Take Course(s)</i>		
Communication	GT-CO1: ENG 121	English Composition I	3
	GT-CO2: ENG 122	English Composition II	3
	SPE 125	Interpersonal Comm	3
Art & Humanities	Three courses with no more than two courses from any single GT-AH category		9
Mathematics	GT-MA1:MAT 201	Calculus I	5
Social & Behavioral Science	Three courses, one of which must be History (GT-HI1), one of which must be GES 105 (GT-SS2), and one other courses from any category (GT-SS1, GT-SS2, or GT-SS3, or GT-HI1)		9
Phys & Life Sci	CHE 111 and 112 General College Chemistry I and II Note: Credits over 8 will be applied to the elective category.		8
Electives	MAT 202 Calculus II		5
	PHY 211 and 212 Physics: Calculus Based I and II		10
	Two extra hours from CHE 111 and 112		2
	Three hours from approved electives list*		3
<b>TOTAL</b>			<b>60</b>

\* Elective courses should include the recommended list in the next section.

<b>Degree Program Requirements</b>						
	<b>Course Number</b>	<b>Course Name</b>	<b>Credit Hours</b>	<b>CC Course Number</b>	<b>CC Course Name</b> These courses should be taken as electives while at the CC	<b>CC Credit Hours</b>
<b>Required Major Courses</b>						
	PES 213	General Physics III	3			
	PES 313, 315	Moderns Physics and Lab	5			
	PES 317, 318	Instrumental Lab I and II	4			
	PES 321	Classical Mechanics I	3			
	PES 331	Electricity and Magnetism I	3			
	PES 341	Thermo & Stat Mechanics	3			
	PES 481	Senior Physics Seminar	2			
	PES 3XX	Traditional Physics Option Reqmts	12			
<b>Elective Major Courses</b>						
	PES 3XX	Upper-division Physics Elective	3			
<b>Required support courses</b>						
	ENGL 307 or 309	Bus/Admin Writing or Tech Writ & Present	3			
	MATH 235	Calculus III	4	MAT 203	Calculus III	4
	MATH 340	Differential Equations	3			
	MATH 3xx	Upper-division Math Elective	3			
		Programming Language Crs	3		One programming course from: CSC 140 Fortran, CSC 150 Visual Basic or CSC 230 C Lang	3
<b>Other Graduation Requirements</b>						
	HUM 3XX	Upper-division Core Humanities	3			
		Natural Science - may be lower or upper-division	3		One non-physics, non-astronomy course from GT-SC1 list	4
<b>Graduation Requirements beyond AS degree</b>			60			
<b>Associate of Science Degree</b>			60			
<b>TOTAL GRADUATION REQUIREMENTS</b>			120			

## Section II: Transfer Of Credit

- 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. This institution accepts scores of 4 and above on advanced placement tests and scores of 4 and above earned on international baccalaureate tests.

