

2008-2009 60 + 60 TRANSFER GUIDE
PHYSICS: ASTRONOMY
UNIVERSITY OF NORTHERN COLORADO

Section I: Degree/Program Requirements

A. Institutional graduation requirements for this degree program.

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

- Complete at least 120 credit hours and
- Successfully complete the required 56 credit hours in the major and
- Earn at least a 2.00 GPA in all PHYS prefix courses and
- Earn at least a 2.00 GPA in courses completed at UNC.

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

COMMUNITY COLLEGE REQUIRED COURSES: Required courses to be *taken* as part of AS degree to guarantee the completion of a baccalaureate degree in 60 additional credits after transfer. Required courses: 25 credits

<u>UNC</u>	<u>CC</u>
CHEM 111	Che 111 General College Chemistry I (5)
MATH 131	Mat 201 Calculus I (5)
MATH 132	Mat 202 Calculus II (5)
PHYS 240	Phy 211 Physics: Calc Based I (5)
PHYS 241	Phy 212 Physics: Calc Based II (5)

PHYSICS: ASTRONOMY

	UNC Course Number	UNC Course Name	UNC CH	CC Course Number	CC Course Name	CC CH
Required Major Courses			43			
	PHYS 301	Seminar in Physics	1			
	PHYS 320	Mathematical Methods I	3			
	PHYS 321	Elementary Modern Physics	4			
	PHYS 340	Mechanics	4			
	PHYS 341	Electricity and Magnetism	4			
	PHYS 345	Quantum Mechanics I	3			
	PHYS 347	Optics	4			
	PHYS 360	Laboratory Physics I	2			
	PHYS 370	Research I	1-3			
	PHYS 420	Mathematical Methods II	3			
	PHYS 440	Thermodynamics and Statistical Physics	4			
	PHYS 445	Quantum Mechanics II	3			
	PHYS 448	Nuclear and Particle Physics	4			
	PHYS 460	Laboratory Physics II	2			
	PHYS 470	Research II	1-3			
Required Supporting Courses			13			
	AST 301	Classical Astronomy	3			
	AST 302	Modern Astronomy	3			
	CS 101	Introduction to Computer Science	3			
	MATH 233	Calculus III	4	Mat 203	Calculus III	5

TOTAL MAJOR REQUIREMENTS	56		
University Electives	4		
GRADUATION REQUIREMENTS beyond AS degree	60		
ASSOCIATE OF SCIENCE DEGREE	60		
TOTAL GRADUATION REQUIREMENTS	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. UNC accepts some scores of 3 and accepts scores of 4 and above on Advanced Placement tests and scores of 4 and above earned on International Baccalaureate tests.
<http://www.unco.edu/admissions/advanced-placement.asp>
<http://www.unco.edu/admissions/international-baccalaureate.asp>
- C. UNC will accept all approved credits earned with ten years of transfer. Courses earned more than ten years earlier may be evaluated on an individual basis.
- D. UNC may apply state guaranteed general education (gtP) courses toward the major or other graduation requirements if that facilitates the student's graduation more effectively.

Section III: Appeal 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 2008-2009 Transfer Guide should be filed with the institution. A student may file an appeal that pertains to state guaranteed general education courses directly to Admissions: Leta.Naber@unco.edu or Barbara.Nelson@unco.edu
- B. State Appeal
For information on the student appeal process, refer to Student Appeal Policy at <http://higherred.colorado.gov/Publications/Policies/Current/i-partt.pdf>