

**2008-2009 60 + 60 TRANSFER GUIDE  
 BIOLOGICAL SCIENCES: CELL AND MOLECULAR BIOLOGY  
 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 Biological Sciences: Cell and Molecular Biology 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 meet the following requirements.

- Complete at least 120 credit hours, and
- Successfully complete the required 58 credit hours in the major, with a grade of "C" or higher in all BIO courses and
- In their senior year of study all students will take the Education Testing Service's nationally standardized exam in Biology 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.**

<u>UNC</u>	<u>CC</u>
BIO 111	Bio 112 (5) General College Biology
CHEM 111	Che 111 (5) General Chem I
CHEM 112	Che 112 (5) General Chem II
CHEM 331	Che 211 (5) Organic Chemistry I
CHEM 332	Che 212 (5) Organic Chemistry II
MATH 131	Mat 125 (4) Survey of Calculus
PHYS 220	Phys 111 (5) Physics: Algebra Based I
PHYS 221	Phys 112 (5) Physics: Algebra Based II

**\*BIOLOGICAL SCIENCES: CELL AND MOLECULAR BIOLOGY**

	<b>UNC Course Number</b>	<b>UNC Course Name</b>	<b>UNC CH</b>	<b>CC Course Number</b>	<b>CC Course Name</b>	<b>CC CH</b>
<b>Required Major Courses</b>			<b>32</b>			
	BIO 110	Principles of Biology	4			
	BIO 210	Cell Biology	3			
	BIO 220	Genetics	4			
	BIO 351	Microbiology	4			
	BIO 360	Ecology	4			
	BIO 465	Evolution	3			
	BIO 450	Cell Physiology	4			
	BIO 425	Molecular Genetics	3			
	CHEM 481	General Biochemistry I	3			

<b>Biological Science Advanced Study</b> <i>Select from the following courses and 300 level or higher BIO courses</i>		<b>16-18</b>			
BIO 102 or BIO 103 or Bio 112 or Bio 114 or BIO 211 or Bio 221	Success in Biology I or Success in Biology II or Principles of Biology Applications or Organismal Biology Applications or Cell Biology Applications or Genetics Applications				
300 level or higher coursework					
<b>Capstone Professional Experience</b> <i>Select one of the following</i>		<b>1</b>			
BIO 422 or 492 or 494 or 495	Directed Studies or Internship in Bio Sciences or Practicum in College Bio Science Instruction or Special Topics in Biology	1			
<b>Elective Major Credits</b> <i>Select one of the following options</i>		<b>4-6</b>			
BIO 350 or 354 or 552 and 553	Human Physiology or General Plant Physiology or Mammalian Physiology I or Mammalian Physiology II	4 - 6			
<b>Required Supporting Credits</b>		<b>3</b>			
STAT 150	Introduction to Statistical Analysis	3			
<b>TOTAL MAJOR REQUIREMENTS</b>		<b>58</b>			
<b>Elective University-wide Electives</b>		<b>2</b>			
GRADUATION REQUIREMENTS beyond AS degree		<b>60</b>			
ASSOCIATE OF SCIENCE DEGREE		<b>60</b>			
TOTAL GRADUATION REQUIREMENTS		<b>120</b>			

## 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](mailto:Leta.Naber@unco.edu) or [Barbara.Nelson@unco.edu](mailto:Barbara.Nelson@unco.edu).
- B. State Appeal  
For information on the student appeal process, refer to Student Appeal Policy at <http://higher.ed.colorado.gov/Publications/Policies/Current/i-partt.pdf>