

TRANSFER GUIDE/BDP

BS, Biology- Cell & Molecular Biology, 142B  
Appalachian State University  
2023-2024

[Department of Biology](#)  
[College of Arts & Sciences](#)  
[Program of Study](#)

HOW-TO Use the Transfer Guide/BDP

The Transfer Guides/BDPs have three sections:

1. The NC Community College courses are listed in the top section. Recommended and/or preferred courses are provided, with the equivalent Appalachian courses listed. If a specific course is not listed, students should use the blue hyperlink to access the [Comprehensive Articulation Agreement \(CAA\) transfer course list](#). Students are welcome to choose any CAA course; however, students should choose courses that are available at their institution and satisfy their transfer degree requirements.
2. Appalachian courses are listed in the middle section. Students will work with an Appalachian advisor to develop an individual graduation plan.
3. Important transfer and major information is listed in the bottom sections. Students should refer to these sections for information regarding program requirements and other important information the department would like students to be aware of.

**Please note** - Transfer Guides/BDPs are developed based on the approved curriculum for that catalog year. Depending on term of entry and the curriculum posted for that catalog year, programs of study may have changed.

Community College Coursework: 63 Transfer hours		Associate in Science			
<b>Semester 1</b>	<b>NCCC Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Appalachian Equivalent</b>	<b>Notes</b>
	ENG 111	Writing & Inquiry	3	RC 1000	
	MAT 171	Precalculus Algebra	4	MAT 1020	Prereq for MAT 172
	BIO 111	General Biology I	4	BIO 1801	Required for major
	<a href="#">UGETC</a>	Humanity/Fine Art	3		
	ACA 122	College Transfer Success	1		
		Semester hours	15		
<b>Semester 2</b>	<b>NCCC Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Appalachian Equivalent</b>	<b>Notes</b>
	ENG 112	Writing/Research in the Disciplines	3	RC 2001	
	MAT 172	Trigonometry	4	MAT 1025	Prereq for MAT 271
	BIO 112	General Biology II	4	BIO 1802	Required for major
	<a href="#">UGETC</a>	Social/Behavioral Science	3		
	<a href="#">UGETC</a>	Humanity/Fine Art	3		
		Semester hours	17		
<b>Semester 3</b>	<b>NCCC Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Appalachian Equivalent</b>	<b>Notes</b>
	MAT 271	Calculus I	4	MAT 1110	Required for major
	BIO 275	Microbiology	4	BIO 3308	Required for major
	CHM 151	General Chemistry I	4	CHE 1101/1110	Required for major
	PHY 151	College Physics I	4	PHY 1103	Required for major
		Semester hours	16		
<b>Semester 4</b>	<b>NCCC Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Appalachian Equivalent</b>	<b>Notes</b>
	MAT 152	Statistical Methods I	4	STT 2820	Required for major
	CHM 152	General Chemistry II	4	CHE 1102/1120	Required for major
	PHY 152	College Physics II	4	PHY 1104	Required for major
	<a href="#">UGETC</a>	Social/Behavioral Science	3		
		Semester hours	15		
		<b>Total AS degree hours</b>	<b>63</b>		

Appalachian Coursework: 61 hours				
<b>Semester 5</b>	<b>Appalachian Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Notes</b>
	BIO 2400 OR 2700	Genetics or Human Genetics	3	
	BIO 2410 OR 2610	Genetics or Cell Biology Laboratory	1	
	BIO 2012	Intro to Evolutionary Biology	3	
	BIO 2600	Cell Biology	3	
	BIO 2300	Biological Career Explorations	1	Should be completed 1st or 2nd semester at Appalachian
	CHE 2201/2203	Organic Chemistry I & Lab	4	
	Semester hours		15	
<b>Semester 6</b>	<b>Appalachian Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Notes</b>
	CHE 2202/2204	Organic Chemistry II & Lab	4	
	BIO 3301, 3314 OR 4555	Anatomy & Physiology Course	4	
	BIO Evol/Ecology/Environmental Course		4	See program of study for course options
	BIO Cell/Subcellular or Anatomy & Physiology Elective 2		4	A total of 11-12 hours (3-4 courses) required. Your first course was BIO 275 (BIO 3308) at the community college. See program of study for course options
	Semester hours		16	
<b>Semester 7</b>	<b>Appalachian Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Notes</b>
	BIO 3800	Molecular Biology	4	
	BIO Cell/Subcellular or Anatomy & Physiology Elective 3		4	See program of study for course options
	BIO Cell/Subcellular or Anatomy & Physiology Elective 4		4	If this area is complete, take Free Electives.
	Free Elective		3	
	Semester hours		15	
<b>Semester 8</b>	<b>Appalachian Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Notes</b>
	CAPSTONE Course		3	See program of study for course options
	CHE 4580	Biochemistry I	3	
	Free Elective		3	
	Free Elective		3	
	Free Elective		3	Only take this if you will not have 120 hours total without it.
	Semester hours		15	
	<b>Total Appalachian hours</b>		<b>61</b>	

**Applying to Appalachian:**

- A minimum cumulative GPA of 2.25, from all post-secondary coursework, is required for admission to Appalachian.
- Students interested in applying to Appalachian should submit an application and official college transcripts to be considered for admission.
- Students hoping to attend a summer or fall term are encouraged to apply by February 15th and those hoping to attend in the spring are encouraged to apply by October 15th.

**Transfer Information:**

- A minor in Chemistry can be completed by adding CHE 4581.
- Students will work with an Appalachian advisor to develop an individual graduation plan after transferring to the University.

**Transfer Resources:**

**Transfer Admissions & Engagement**

Office of Admissions  
Office of Financial Aid  
Scholarships  
Career Development  
University Housing  
Off-Campus Housing  
Campus Activities

[transfer.appstate.edu](http://transfer.appstate.edu)  
[admissions.appstate.edu](http://admissions.appstate.edu)  
[financialaid.appstate.edu](http://financialaid.appstate.edu)  
[scholarships.appstate.edu](http://scholarships.appstate.edu)  
[careers.appstate.edu](http://careers.appstate.edu)  
[housing.appstate.edu](http://housing.appstate.edu)  
[offcampushousing.appstate.edu](http://offcampushousing.appstate.edu)  
[campusactivities.appstate.edu](http://campusactivities.appstate.edu)



Questions, please call Transfer Admissions & Engagement at 828-262-7877