

TRANSFER GUIDE/BDP

BS, Mathematics, Life Sciences
Appalachian State University
2022-2023

[Department of Mathematical Sciences](#)
[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 yellow 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 gray 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 white 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			
Semester	NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes
Semester 1: 15 hours	ENG 111	Writing & Inquiry	3	RC 1000	
	MAT 171	Precalculus	4	MAT 1020	Prerequisite for MAT 172
	BIO 111	General Biology I	4	BIO 1801	Required for the major
	UGETC	Humanity/Fine Art	3		
	ACA 122	College Transfer Success	1		
	Semester hours		15		
Semester 2: 17 hours	ENG 112	Writing/Research in the Disciplines	3	RC 2001	
	MAT 172	Trigonometry	4	MAT 1025	Prerequisite for MAT 271
	BIO 112	General Biology II	4	BIO 1802	Required for the major
	UGETC	Social Science	3		
	UGETC	Humanity/Fine Art	3		
	Semester hours		17		
Semester 3: 14 hours	MAT 271	Calculus I	4	MAT 1110	Required for the major
	CHM 151	Chemistry I	4	CHE 1101/1110	Required for the major
	UGETC	Social Science	3		
	Pre-Major/GEC/Elective		3		
		Semester hours		14	
Semester 4: 17 hours	MAT 272	Calculus II	4	MAT 1120	Required for the major
	CHM 152	Chemistry II	4	CHE 1102/1120	Required for the major
	Pre-Major/GEC/Elective		3		
	Pre-Major/GEC/Elective		3		
	Pre-Major/GEC/Elective		3		
	Semester hours		17		
	Total AA degree hours		63		

Appalachian Course Work: 58 hours				
Semester 5: 14 hours	Appalachian Course	Course Name	Hours	Notes
	MAT 2110	Techniques & Proofs	4	
	MAT 2310	Computational Mathematics	3	
	MAT 2130	Calculus w/ Analytic Geometry III	4	
	Free Elective		3	
Semester hours			14	
Semester 6: 15 hours	Appalachian Course	Course Name	Hours	Notes
	MAT 2240	Introduction to Linear Algebra	3	
	MAT 3110 or 3220		3	
	Life Sciences Conc Course 1		3	A total of 9 hours (3 courses) is required from list on POS
	Free Elective		3	
Semester hours			15	
Semester 7: 13 hours	Appalachian Course	Course Name	Hours	Notes
	MAT 3130	Intro to Differential Equations	3	
	STT 3850	Statistical Data Analysis I	4	
	MAT 4310, 4420 or 4590		3	Choose one
	Life Sciences Conc Course 2		3	
Semester hours			13	
Semester 8: 16 hours	Appalachian Course	Course Name	Hours	Notes
	MAT 4040		1	Capstone
	Depth Course		3	Choose course from list
	Major Elective		3	
	Life Sciences Conc Course 3		3	
	Free Elective		3	
	Free Elective		3	Take enough hours to ensure you have 120 required to graduate
Semester hours			16	
Total Appalachian hours			58	

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 on-line 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:

- 25 hours of life science concentration courses are required for this major. Students can complete 16 hours at the community college by taking CHM 151 & 152 and BIO 111 & 112. The remaining nine hours will be taken at Appalachian.
- A minor is optional for this degree.
- Students will work with an Appalachian advisor, after transferring, to develop an individual graduation plan.

Transfer Resources:

Transfer Admissions & Engagement transfer.appstate.edu
Office of Admissions admissions.appstate.edu
Office of Financial Aid financialaid.appstate.edu
Scholarships scholarships.appstate.edu
Career Development careers.appstate.edu
University Housing housing.appstate.edu
Off-Campus Housing offcampushousing.appstate.edu
Campus Activities campusactivities.appstate.edu

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

