

TRANSFER GUIDE/BDP

BS, Mathematics, Physical Sciences, 260G
Appalachian State University
2023-2024

[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 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 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 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: 61 Transfer hours		Associate in Arts				
Semester 1: 14 hours	NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes	
		ENG 111	Writing & Inquiry	3	RC 1000	
		MAT 171	Precalculus	4	MAT 1020	Prerequisite for MAT 172
		UGETC	Social Science	3		
		UGETC	Humanities/Fine Arts	3		
		ACA 122	College Transfer Success	1		
			Semester hours	14		
Semester 2: 16 hours	NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes	
		ENG 112	Writing/Research in the Disciplines	3	RC 2001	
		MAT 172	Trigonometry	4	MAT 1025	Prerequisite for MAT 271
		UGETC	Social Science	3		
		UGETC	Humanities/Fine Arts	3		
		UGETC	Humanities/Fine Arts	3		
			Semester hours	16		
Semester 3: 14 hours	NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes	
		MAT 271	Calculus I	4	MAT 1110	Required for the major
		PHY 151 or 251	Physics	4	PHY 1103 OR 1150	Required for the major
		UGETC	Social Science	3		
		Pre-Major/GEC/Elective		3		
			Semester hours	14		
Semester 4: 17 hours	NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes	
		MAT 272	Calculus II	4	MAT 1120	Required for the major
		PHY 152 or 252	Physics	4	PHY 1104 or 1151	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			61			

Appalachian Course Work: 59 hours				
Semester 5: 15 hours	Appalachian Course	Course Name	Hours	Notes
	MAT 2110	Techniques & Proofs	4	
	MAT 2130	Calculus with Analytic Geometry III	4	
	MAT 2310	Computational Mathematics	3	
	PHY 2010	Intermediate Physics I	4	
Semester hours			15	
Semester 6: 16 hours	Appalachian Course	Course Name	Hours	Notes
	MAT 2240	Intro to Linear Algebra	3	
	MAT 3110 or 3220		3	Choose one
	PHY 2020	Intermediate Physics II	4	
	Free Elective		3	
Semester hours			16	
Semester 7: 14 hours	Appalachian Course	Course Name	Hours	Notes
	STT 3850	Statistical Data Analysis I	4	
	MAT 3130	Intro to Differential Equations	3	
	MAT 4310	Numerical Methods	3	
	PHY course at or above 2000 level		4	
Semester hours			14	
Semester 8: 13 hours	Appalachian Course	Course Name	Hours	Notes
	MAT 4040		1	Capstone
	Depth Course		3	Choose 1 course from list on POS
	Major Elective		3	Choose 1 course from list on POS
	Free Electives		4	Take enough hours to reach 120 required to graduate
Semester hours			14	
Total Appalachian hours			59	

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:

- 24 hours of Physics coursework is required for this degree. Students can complete 8 hours at the community college and the remaining 16 hours will be completed 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

