

TRANSFER GUIDE/BDP

BS, Mathematics, Physical Sciences
Appalachian State University
2021-2022

[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 Arts			
Semester	NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes
Semester 1: 14 hours	ENG 111	Writing & Inquiry	3	RC 1000	
	MAT 171	Precalculus	4	MAT 1020	Prerequisite for MAT 172
	UGETC	Social Science	3		
	UGETC	Humanity/Fine Art	3		
	ACA 122	College Transfer Success	1		
Semester hours			14		
Semester 2: 16 hours	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	Humanity/Fine Art	3		
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Semester hours			16		
Semester 3: 14 hours	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	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			63		

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	
	PHY 2020	Intermediate Physics II	4	
	Free Elective		3	
	Free Elective		3	
	Semester hours		16	
Semester 7: 15 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 above 2000 level		4	
	Free Elective		3	
	Semester hours		15	
Semester 8: 13 hours	Appalachian Course	Course Name	Hours	Notes
	MAT 4040		1	Capstone
	Depth Course		3	
	Major Elective		3	
	Free Elective		3	
	Free Elective		3	
	Semester hours		13	
	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 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:

- 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

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

transfer.appstate.edu
admissions.appstate.edu
financialaid.appstate.edu
scholarships.appstate.edu
careers.appstate.edu
housing.appstate.edu
offcampushousing.appstate.edu
campusactivities.appstate.edu

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

