

TRANSFER GUIDE/BDP

BS, Physics, Applied Physics, 270B
Appalachian State University
2023-2024

[Department of Physics & Astronomy](#)
[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 Science			
Semester 1: 14 hours	NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes
	ENG 111	Writing & Inquiry	3	RC 1000	
	MAT 171	Precalculus Algebra	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: 13 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	Humanities/Fine Arts	3		
	UGETC	Social Science	3		
		Semester hours	13		
Semester 3: 17 hours	NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes
	MAT 271	Calculus I	4	MAT 1110	Required for the major - prerequisite to MAT 272
	PHY 251	Physics	4	PHY 1150	Required for the major
	Pre-Major/GEC/Elective		3		
	Pre-Major/GEC/Elective		3		
	Pre-Major/GEC/Elective		3		
		Semester hours	17		
Semester 4: 17 hours	NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes
	MAT 272	Calculus II	4	MAT 1120	Required for the major - prerequisite to MAT 2130, Calculus III
	PHY 252	Physics II	4	PHY 1151	Required for the major
	Pre-Major/GEC/Elective		3		
	Pre-Major/GEC/Elective		3		
	Pre-Major/GEC/Elective		3		
		Semester hours	17		
		Total AS degree hours	61		

Appalachian Course Work: 61 hours				
Semester 5: 15 hours	Appalachian Course	Course Name	Hours	Notes
	PHY 2010	Intermediate Physics I	4	Offered fall semester only
	PHY 2110	Modern Physics I	3	Offered fall semester only
	MAT 2130	Calculus III	4	
	PHY 2005	Professional Development for Phy majors	1	Offered fall semester only
	Emphasis Area Course 1		3	A total of 24 hours (8 courses) is required. Emphasis Area must be approved by the department
		Semester hours	15	
Semester 6: 13 hours	Appalachian Course	Course Name	Hours	Notes
	PHY 2020	Intermediate Physics II	4	Offered spring semester only
	Emphasis Area Course 2		3	
	Emphasis Area Course 3		3	
	PHY/AST Elective Course 1		3	A total of 9-11 hours (3-4 courses) at or above the 2000 level is required.
		Semester hours	13	
Semester 7: 15 hours	Appalachian Course	Course Name	Hours	Notes
	Emphasis Area Course 4		3	
	Emphasis Area Course 5		3	
	Emphasis Area Course 6		3	
	PHY/AST Elective Course 2		3	
	PHY/AST Elective Course 3		3	
		Semester hours	15	
Semester 8: 12 hours	Appalachian Course	Course Name	Hours	Notes
	PHY 3310	Physics Lab Techniques and Data Analysis	3	Writing in the Discipline. Offered in spring semester only. Will need permission to take as a coreq with PHY PHY 2020
	Emphasis Area Course 7		3	
	Emphasis Area Course 8		3	
	PHY/AST Elective Course 4		3	If PHY/AST are complete, take enough free elective to reach 120 hours
		Semester hours	12	
Summer: 4 hours	Appalachian Course	Course Name	Hours	Notes
	PHY 4210	Senior Seminar	4	Capstone
			4	
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.

Advising & Community College Course Selection:

- For UGETC, Pre-Major, Elective, or GEC course options please refer to the [Comprehensive Articulation Agreement transfer course list](#).

Transfer Information:

- A minor is optional for this degree.
- Students will work with an Appalachian advisor, after transferring, to develop an individual graduation plan.

Transfer Resources:

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| 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 |

