

TRANSFER GUIDE/BDP

BS, Physics, Astronomy, 270E  
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: 60 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
	<a href="#">UGETC</a>	Social Science	3		
	<a href="#">UGETC</a>	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
	<a href="#">Pre-Major/GEC/Elective</a>		3		
	<a href="#">UGETC</a>	Humanities/Fine Arts	3		
	<a href="#">UGETC</a>	Social Science	3		
		Semester hours	16		
Semester 3: 15 hours	NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes
	MAT 271	Calculus I	4	MAT 1110	Required for the major - prerequisite to MAT 272
	AST 151/151A	Astronomy I	4	AST 1001	Required for the major
	PHY 251	Physics I	4	PHY 1150	
	<a href="#">Pre-Major/GEC/Elective</a>		3		
		Semester hours	15		
Semester 4: 15 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
	AST 152/152A	Astronomy II	4	AST 1002	Required for the major
	PHY 252	Physics II	4	PHY 1151	
	<a href="#">Pre-Major/GEC/Elective</a>		3		
		Semester hours	15		
		<b>Total AS degree hours</b>	<b>60</b>		

Appalachian Course Work: 61 hours				
<b>Semester 5: 17 hours</b>	<b>Appalachian Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Notes</b>
	PHY 2010	Intermediate Physics I	4	Offered fall only
	PHY 2110	Modern Physics I	3	Offered fall only
	AST 2001	Observational Astronomy	3	Offered fall only
	MAT 2130	Calculus III	4	
	PHY/AST Electives 1		3	A total of 9-11 hours (3-4 courses) at the 2000 level or above is required
		Semester hours	17	
<b>Semester 6: 14 hours</b>	<b>Appalachian Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Notes</b>
	PHY 2020	Intermediate Physics II	4	
	PHY 3310	Physics Lab Techniques and Data Analysis	3	Writing in the Discipline. Offered in spring semester only. Will need permission to take this course as a coreq to PHY 2020
	PHY 2005	Professional Development for PHY majors	1	
	Emphasis Area Option Course 1		3	A total of 13 hours (4-5 courses) from the lists on the POS is required
	Emphasis Area Option Course 2		3	
		Semester hours	14	
<b>Semester 7: 16 hours</b>	<b>Appalachian Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Notes</b>
	Emphasis Area Option Course 3		4	
	Emphasis Area Option Course 4		3	
	PHY/AST Electives 2		3	
	PHY/AST Electives 3		3	
	Free Elective		3	
		Semester hours	16	
<b>Semester 8: 14 hours</b>	<b>Appalachian Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Notes</b>
	PHY 4210	Senior Seminar	4	Capstone
	Emphasis Area Option Course 5		3	
	PHY/AST Electives 4		3	
	Free Electives		4	If PHY/AST are complete, take enough free elective to reach 120 hours
		Semester hours	14	
		<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 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.

**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:**

- Transfer Admissions & Engagement** [transfer.appstate.edu](http://transfer.appstate.edu)
- Office of Admissions** [admissions.appstate.edu](http://admissions.appstate.edu)
- Office of Financial Aid** [financialaid.appstate.edu](http://financialaid.appstate.edu)
- Scholarships** [scholarships.appstate.edu](http://scholarships.appstate.edu)
- Career Development** [careers.appstate.edu](http://careers.appstate.edu)
- University Housing** [housing.appstate.edu](http://housing.appstate.edu)
- Off-Campus Housing** [offcampushousing.appstate.edu](http://offcampushousing.appstate.edu)
- Campus Activities** [campusactivities.appstate.edu](http://campusactivities.appstate.edu)



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