

TRANSFER GUIDE/BDP

BS, Physics, Secondary Education Licensure
Appalachian State University
2020-2021

[Department of Physics & Astronomy](#)
[College of Arts & Sciences](#)
[Program of Study](#)

It is recommended that students start Appalachian coursework in the summer. Students should apply for summer I term.

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: 62 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 Algebra	4	MAT 1020	Prerequisite for MAT 172
	CHM 151	General Chemistry I	4	CHE 1101/1110	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 111	General Biology I	4	BIO 1801	Required for the major
	UGETC	Humanity/Fine Art	3		
	UGETC	Social Science	3		
	Semester hours			17	
Semester 3: 15 hours	MAT 271	Calculus I	4	MAT 1110	Required for the major - prerequisite to MAT 272
	GEL 111	Physical Geology	4	GLY 1101	Required for the major
	PHY 251	Physics I	4	PHY 1150	Required for the major
	UGETC	Social Science	3		
	Semester hours			15	
Semester 4: 15 hours	MAT 272	Calculus II	4	MAT 1120	Required for the major - prerequisite to MAT 2130, Calculus III
	MAT 152 OR AST 111/111A	Stats or Astronomy	4	STT 2820 OR AST 1101	Choose one course to complete STEM Elective for major
	PHY 252	Physics II	4	PHY 1151	Required for the major
	Pre-Major/GEC/Elective		3		
	Semester hours			15	
Total AS degree hours			62		

Appalachian Course Work: 60 hours**Summer: 4 hours**

Appalachian Course	Course Name	Hours	Notes
CI 2300	Teaching I Learning in the Digital Age	2	
FDN 2400	Critical Perspectives in Teaching & Learning	2	
Semester hours		4	

Semester 5: 14 hours

Appalachian Course	Course Name	Hours	Notes
PHY 2010	Intermediate Physics I	4	
MAT 2130	Calculus III	4	
PHY 2110	Modern Physics I	3	
PSY 3010	Psychology Applied to Teaching	3	
Semester hours		14	

Semester 6: 14 hours

Appalachian Course	Course Name	Hours	Notes
PHY 2020	Intermediate Physics II	4	
PHY 2210	Physics Lab Techniques and Data Analysis	3	Writing in the Discipline
PHY 3400	Physics Instruction Practicum	3	
PHY 3520	Instructional Assistant	1	
GS 4404	The Meeting of Nature & Science	3	
Semester hours		14	

Summer: 3 hours

Appalachian Course	Course Name	Hours	Notes
SPE 3300	Creating Inclusive Learning Environments	3	
Semester hours		3	

Semester 7: 13 hours

Appalachian Course	Course Name	Hours	Notes
PHY 4210	Methods of Experimental Physics	4	Capstone
PHY 3521	Secondary Science Field Experience	1	
GS 4403	Teaching Science in Middle & High School	3	
Required Major Elective		3	
CI 3400	Educational Assessment	2	
Semester hours		13	

Semester 8: 12 hours

Appalachian Course	Course Name	Hours	Notes
CI 4900	Student Teaching	12	Capstone
Semester hours		12	
Total Appalachian hours		60	

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:

- Admission to teacher education is required. Students must have a 2.7 Appalachian GPA to be admitted to teaching education and maintain that GPA to be eligible for graduation and licensure.
- Students will work with an Appalachian advisor, after transferring, to develop an individual graduation plan.

Transfer Resources:

Online & Transfer Services	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 Online & Transfer Services at 828-262-7877