

TRANSFER GUIDE

BS, Physics, Secondary Education Licensure
Appalachian State University
2019-2020

Department of Physics & Astronomy
College of Arts & Sciences
Program of Study

Community College Coursework: 62 Transfer hours		Associate in Science				
Semester	Hours	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	Hours	Appalachian Course	Course Name	Hours	Notes
Summer: 4 hours		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		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		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		SPE 3300	Creating Inclusive Learning Environments	3	
		Semester hours		3	
Semester 7: 13 hours		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		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.

Advising & Community College Course Selection:

- For UGETC, Pre-Major, Elective, or GEC course options please refer to the [Comprehensive Articulation Agreement transfer course list](#).
- Students should work with their community college academic advisor to ensure appropriate course selection for AA degree completion.

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:

- Office of 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 the Office of Transfer Services at 828-262-7877