

TRANSFER GUIDE

BS, Mathematics, Physical Sciences  
Appalachian State University  
2019-2020

Department of Mathematical Sciences  
College of Arts & Sciences  
Program of Study

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

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		
	UGETC	Humanity/Fine Art	3		
		Semester hours	16		
Semester 3: 14 hours	MAT 271	Calculus I	4	MAT 1110	Required for the major
	PHY 251	Physics I	4	PHY 1150	Prerequisite 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 252	Physics II	4	PHY 1151	Prerequisite for the major
	Pre-Major/GEC/Elective		3		
	Pre-Major/GEC/Elective		3		
	Pre-Major/GEC/Elective		3		
		Semester hours	17		
		<b>Total AA degree hours</b>	<b>63</b>		

Appalachian Course Work: 62 hours					
Semester	Appalachian Course	Course Name	Hours		Notes
Summer: 10 hours	MAT 2130	Calculus III	4		
	MAT 2240	Linear Algebra	3		
	MAT 3130	Differential Equations	3		
			Semester hours	10	
Semester 5: 14 hours	MAT 2110	Techniques & Proofs	4		
	MAT 2310	Computational Mathematics	3		
	PHY 2010	Intermediate Physics I	4		
	Free Elective		3		
			Semester hours	14	
Semester 6: 14 hours	MAT 3220 OR 3110		3	Writing in the Discipline	
	STT 3850	Statistical Data Analysis	4		
	PHY 2020	Intermediate Physics II	4		
	Free Elective		3		
			Semester hours	14	
Semester 7: 12 hours	PHY 3210	Modern Physics I	3		
	Physics Elective		3		
	Approved Elective		3		
	Approved Elective		3		
			Semester hours	12	
Semester 8: 12 hours	CAPSTONE		4		
	MAT 4310	Numerical Models	3		
	Physics or Technology Elective		2		
	Approved Elective		3		
			Semester hours	12	
		<b>Total Appalachian hours</b>	<b>62</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](#).
- Students should work with their community college academic advisor to ensure appropriate course selection for AA degree completion.

**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:**

Office of Transfer Services [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)

