

TRANSFER GUIDE

BS, Mathematics, Computation  
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: 60 Transfer hours		Associate in Arts				
Semester	Hours	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: 17 hours		ENG 112	Writing/Research in the Disciplines	3	RC 2001	
		MAT 172	Trigonometry	4	MAT 1025	Prerequisite for MAT 271
		UGETC	Natural Science	4		
		UGETC	Social Science	3		
		UGETC	Humanity/Fine Art	3		
			Semester hours	17		
Semester 3: 13 hours		MAT 271	Calculus I	4	MAT 1110	Required for the major
		UGETC	Social Science	3		
		Pre-Major/GEC/Elective		3		
		Pre-Major/GEC/Elective		3		
			Semester hours	13		
Semester 4: 16 hours		MAT 272	Calculus II	4	MAT 1120	Required for the major
		Pre-Major/GEC/Elective		3		
		Pre-Major/GEC/Elective		3		
		Pre-Major/GEC/Elective		3		
		Pre-Major/GEC/Elective		3		
			Semester hours	16		
			<b>Total AA degree hours</b>	<b>60</b>		

Appalachian Course Work: 62 hours					
Semester	Hours	Appalachian Course	Course Name	Hours	Notes
Summer: 7 hours		MAT 2240	Linear Algebra	3	
		CS 1440	Computer Science I	4	
			Semester hours	7	
Semester 5: 14 hours		MAT 2110	Techniques & Proofs	4	
		MAT 2310	Computational Mathematics	3	
		CS 2440	Computer Science II	4	
		Free Electives		3	
			Semester hours	14	
Semester 6: 15 hours		MAT 3110 OR 3220		3	Writing in the Discipline
		CS 3430	Database	3	
		CS 3460	Data Structures	3	
		Approved Elective		3	
		Approved Elective		3	
			Semester hours	15	
Semester 7: 13 hours		STT 3850	Statistical Data Analysis	4	
		Approved Elective		3	
		Computational Elective		3	
		Computational Elective		3	
			Semester hours	13	
Semester 8: 13 hours		CAPSTONE		4	
		MAT 4310	Numerical Methods	3	
		Computational Elective		3	
		Free Elective		3	
			Semester hours	13	
			<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  
Office of Admissions  
Office of Financial Aid  
Scholarships  
Career Development  
University Housing  
Off-Campus Housing  
Campus Activities

[transfer.appstate.edu](http://transfer.appstate.edu)  
[admissions.appstate.edu](http://admissions.appstate.edu)  
[financialaid.appstate.edu](http://financialaid.appstate.edu)  
[scholarships.appstate.edu](http://scholarships.appstate.edu)  
[careers.appstate.edu](http://careers.appstate.edu)  
[housing.appstate.edu](http://housing.appstate.edu)  
[offcampushousing.appstate.edu](http://offcampushousing.appstate.edu)  
[campusactivities.appstate.edu](http://campusactivities.appstate.edu)

