

TRANSFER GUIDE

BS, Mathematics, Life 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 Science			
Semester	NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes
Semester 1: 15 hours	ENG 111	Writing & Inquiry	3	RC 1000	
	MAT 171	Precalculus	4	MAT 1020	Prerequisite for MAT 172
	BIO 111	General Biology I	4	BIO 1801	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 112	General Biology II	4	BIO 1802	Required for the major
	UGETC	Social Science	3		
	UGETC	Humanity/Fine Art	3		
		Semester hours	17		
Semester 3: 14 hours	MAT 271	Calculus I	4	MAT 1110	Required for the major
	CHM 151	Chemistry I	4	CHE 1101/1110	Required 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
	CHM 152	Chemistry II	4	CHE 1102/1120	Required for the major
	Pre-Major/GEC/Elective		3		
	Pre-Major/GEC/Elective		3		
	Pre-Major/GEC/Elective		3		
		Semester hours	17		
		Total AA degree hours	63		

Appalachian Course Work: 61 hours					
Semester	Appalachian Course	Course Name	Hours	Appalachian Equivalent	Notes
Summer: 6 hours	MAT 2240	Linear Algebra	3		
	MAT 3130	Differential Equations	3		
		Semester hours	6		
Semester 5: 14 hours	MAT 2110	Techniques & Proofs	4		
	MAT 2310	Computational Mathematics	3		
	CHE 2101 & 2102	Organic Chemistry	4		
	Free Elective		3		
			Semester hours	14	
Semester 6: 14 hours	MAT 3220	Intro to Real Analysis	3	Writing in the Discipline	
	STT 3850	Statistical Data Analysis	4		
	Life Science Elective		4		
	Free Elective		3		
			Semester hours	14	
Semester 7: 12 hours	MAT 4420	Dynamical Systems Theory	3		
	Life Science Elective		3		
	Free Elective		3		
	Free Elective		3		
			Semester hours	12	
Semester 8: 15 hours	CAPSTONE		4		
	MAT 3350	Intro to Mathematical Biology	3		
	Life Science Elective		3		
	Approved Major Electives		2		
	Approved Elective		3		
		Semester hours	15		
		Total Appalachian hours	61		

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
 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

