

TRANSFER GUIDE/BDP

BS, Mathematics, Actuarial Science, 106A
Appalachian State University
2023-2024

[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.

HOW-TO Use the Transfer Guide/BDP

The Transfer Guides/BDPs have three sections:

1. The NC Community College courses are listed in the 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 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 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: 61 Transfer hours		Associate in Arts			
Semester 1: 14 hours	NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes
	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	NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes
	ENG 112	Writing/Research in the Disciplines	3	RC 2001	
	MAT 172	Trigonometry	4	MAT 1025	Prerequisite for MAT 271
	ECO 251	Microeconomics	3	ECO 2030	Required for the major
	UGETC	Science	4		
	UGETC	Humanity/Fine Art	3		
	Semester hours		17		
Semester 3: 13 hours	NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes
	MAT 271	Calculus I	4	MAT 1110	Required for the major
	ECO 252	Macroeconomics	3	ECO 2040	Required for the major
	UGETC	Humanity/Fine Art	3		
	Pre-Major/GEC/Elective		3		
	Semester hours		13		
Semester 4: 17 hours	NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes
	MAT 272	Calculus II	4	MAT 1120	Required for the major
	ACC 120	Accounting I	4	ACC 2100	Required for the major
	BUS 115	Business Law	3	LAW 2150	Major Elective
	Pre-Major/GEC/Elective		3		
	Pre-Major/GEC/Elective		3		
	Semester hours		17		
	Total AA degree hours		61		

Appalachian Course Work: 61 hours				
Summer: 7 hours	Appalachian Course	Course Name	Hours	Notes
	MAT 2240	Linear Algebra	3	
	MAT 2130	Calculus III	4	
	Semester hours		7	
Semester 5: 14 hours Fall	Appalachian Course	Course Name	Hours	Notes
	MAT 3330	Financial Mathematics	4	
	STT 3850	Statistical Data Analysis I	4	
	FIN 3680	Intro to Finance	3	
	Free Elective		3	
	Semester hours		14	
Semester 6: 13 hours Spring	Appalachian Course	Course Name	Hours	Notes
	STT 3851	Statistical Learning I	3	Writing in the Discipline
	FIN 3690	Financial Management	3	
	STT 3250	Fundamentals of Probability	4	
	Free Elective		3	
	Semester hours		13	
Semester 7: 15 hours Fall	Appalachian Course	Course Name	Hours	Notes
	FIN 3890	Survey of Investments	3	
	MAT 3340	Actuarial Models	3	Offered in fall semester only
	MAT 3345	Short Term Actuarial Models	3	
	FIN 3100	Principals of Risk Management & Insurance	3	
	Math Elective		3	
	Semester hours		15	
Semester 8: 12 hours Spring	Appalachian Course	Course Name	Hours	Notes
	MAT 4330	Senior Seminar in Actuarial Science	3	Capstone; Offered spring semester only
	STT 4880	Mathematical Statistics	3	Offered in spring semester only
	FIN 4770	Derivatives & Financial Risk Management	3	
	Free Elective		3	Take enough elective hours to reach 120 required to graduate
	Semester hours		12	
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 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:

- A minor is optional for this degree.
- Students will work with an Appalachian advisor, after transferring, to develop an individual graduation plan.

Transfer Resources:

Transfer Admissions & Engagement 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 Transfer Admissions & Engagement at 828-262-7877

