BS, Mathematics, Computation
Appalachian State University
2022-2023

HOW-TO Use the Transfer Guide/BDP

The Transfer Guides/BDPs have three sections:

1. The NC Community College courses are listed in the top 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 middle 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 bottom 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: 60 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
	UGETC	Natural Science	4		
	UGETC	Social Science	3		
	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
	UGETC	Social Science	3		
	Pre-Major/GEC/Elective		3		
	Pre-Major/GEC/Elective		3		
		Semester hours	13		

Semester 4: 16 hours	NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes
	MAT 272	Calculus II	4	MAT 1120	Required for the major
	Pre-Major/GEC/Elective		3		
	Pre-Major/GEC/Elective		3		
	CSC 151	JAVA Programmimg	3	CS 1440	Both required for major. Taking CSC 151 & 252 will earn credit for CS 1440
	CSC 251	Advancec JAVA programming	3		
		Semester hours	16		
		Total AA degree hours	**60**		

Appalachian Course Work: 62 hours

Semester 5: 15 hours
Fall

Appalachian Course	Course Name	Hours	Notes
MAT 2110	Techniques & Proofs	4	
MAT 2130	Calculus w/ Analytic Geometry III	4	
CS 2440	Computer Science II	4	
Computational Conc Elec 1		3	A total of 9 hours in CS at or above 2000 level excluding CS 3520 or 4900; or any other course
	Semester hours	15	

Semester 6: 16 hours
Spring

Appalachian Course	Course Name	Hours	Notes
MAT 2240	Introduction to Linear Algebra	3	
MAT 3110 or 3220		3	
CS 3430	Database	3	
MAT 2310	Computational Mathematics	3	
Major Elective		3	Choose one course from list on POS
	Semester hours	15	

Semester 7: 16 hours
Fall

Appalachian Course	Course Name	Hours	Notes
STT 3850 or 3250		4	
MAT 3130 or 3310		3	MAT 3310 offered fall semester only
Computational Conc Elec 2		3	
CS 3460	Data Structures	3	
Free Elective		3	
	Semester hours	16	

Semester 8: 13 hours
Spring

Appalachian Course	Course Name	Hours	Notes
MAT 4040		1	Capstone
MAT 4310	Numerical Methods	3	
Additional Depth Course		3	
Computational Conc Elec 3		3	
Free Elective		4	Take enough free electives to reach a total of 120 required to graduate
	Semester hours	13	
	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.

Transfer Information:
- A minor is optional for this degree.
- Students will work with an Appalachian advisor, after transferring, to develop and 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 & Engagementat 828-262-7877