

TRANSFER GUIDE/BDP

BS, Mathematics, Computation, 260E
Appalachian State University
2023-2024

[Department of Mathematical Sciences](#)
[College of Arts & Sciences](#)
[Program of Study](#)

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: 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	Humanities/Fine Arts	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	Humanities/Fine Arts	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		
	UGETC	Humanities/Fine Arts	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 Programming	3	CS 1440	Both required for major. Taking CSC 151 & 252 will earn credit for CS 1440
	CSC 251	Advanced JAVA programming	3		
Semester hours			16		
Total AA degree hours			60		

Appalachian Course Work: 60 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 cours
Semester hours			15	
Semester 6: 15 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: 14 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			14	
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 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 & Engagement at 828-262-7877

