

TRANSFER GUIDE/BDP

BS, Mathematics, Computation  
Appalachian State University  
2020-2021

[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 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	<b>NCCC Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Appalachian Equivalent</b>	<b>Notes</b>
	ENG 111	Writing & Inquiry	3	RC 1000	
	MAT 171	Precalculus	4	MAT 1020	Prerequisite for MAT 172
	<a href="#">UGETC</a>	Social Science	3		
	<a href="#">UGETC</a>	Humanity/Fine Art	3		
	ACA 122	College Transfer Success	1		
Semester hours			14		
Semester 2: 17 hours	<b>NCCC Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Appalachian Equivalent</b>	<b>Notes</b>
	ENG 112	Writing/Research in the Disciplines	3	RC 2001	
	MAT 172	Trigonometry	4	MAT 1025	Prerequisite for MAT 271
	<a href="#">UGETC</a>	Natural Science	4		
	<a href="#">UGETC</a>	Social Science	3		
	<a href="#">UGETC</a>	Humanity/Fine Art	3		
Semester hours			17		
Semester 3: 13 hours	<b>NCCC Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Appalachian Equivalent</b>	<b>Notes</b>
	MAT 271	Calculus I	4	MAT 1110	Required for the major
	<a href="#">UGETC</a>	Social Science	3		
	<a href="#">Pre-Major/GEC/Elective</a>		3		
	<a href="#">Pre-Major/GEC/Elective</a>		3		
	Semester hours			13	
Semester 4: 16 hours	<b>NCCC Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Appalachian Equivalent</b>	<b>Notes</b>
	MAT 272	Calculus II	4	MAT 1120	Required for the major
	<a href="#">Pre-Major/GEC/Elective</a>		3		
	<a href="#">Pre-Major/GEC/Elective</a>		3		
	<a href="#">Pre-Major/GEC/Elective</a>		3		
	<a href="#">Pre-Major/GEC/Elective</a>		3		
Semester hours			16		
<b>Total AA degree hours</b>			<b>60</b>		

<b>Appalachian Course Work: 62 hours</b>				
<b>Summer: 7 hours</b>	<b>Appalachian Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Notes</b>
	MAT 2240	Linear Algebra	3	
	CS 1440	Computer Science I	4	
	Semester hours		7	
<b>Semester 5: 14 hours</b>	<b>Appalachian Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Notes</b>
	MAT 2110	Techniques & Proofs	4	
	MAT 2310	Computational Mathematics	3	
	CS 2440	Computer Science II	4	
	Free Electives		3	
Semester hours		14		
<b>Semester 6: 15 hours</b>	<b>Appalachian Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Notes</b>
	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		
<b>Semester 7: 13 hours</b>	<b>Appalachian Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Notes</b>
	STT 3850	Statistical Data Analysis	4	
	Approved Elective		3	
	Computational Elective		3	
	Computational Elective		3	
Semester hours		13		
<b>Semester 8: 13 hours</b>	<b>Appalachian Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Notes</b>
	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.

**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:**

**Online & Transfer Services** [transfer.appstate.edu](http://transfer.appstate.edu)  
**Office of Admissions** [admissions.appstate.edu](http://admissions.appstate.edu)  
**Office of Financial Aid** [financialaid.appstate.edu](http://financialaid.appstate.edu)  
**Scholarships** [scholarships.appstate.edu](http://scholarships.appstate.edu)  
**Career Development** [careers.appstate.edu](http://careers.appstate.edu)  
**University Housing** [housing.appstate.edu](http://housing.appstate.edu)  
**Off-Campus Housing** [offcampushousing.appstate.edu](http://offcampushousing.appstate.edu)  
**Campus Activities** [campusactivities.appstate.edu](http://campusactivities.appstate.edu)

Questions, please call Online & Transfer Services at 828-262-7877

