BS, Computer Science
Appalachian State University
2022-2023

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Department of Computer Science
College of Arts & Sciences
Program of Study

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> **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: 62 Transfer hours   **Associate in Science**

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	Social Science	3		
UGETC	Humanity/Fine Art	3		
UGETC	Natural Science	4	See Transfer Information at bottom of page for major requirements	
	Semester hours	17		

Semester 3: 17 hours

NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes
MAT 271	Calculus I	4	MAT 1110	Required for the major
UGETC	Natural Science	4	See Transfer Information at bottom of page for major requirements	
Pre-Major/Elective/GEC		3		
Pre-Major/Elective/GEC		3		
Pre-Major/Elective/GEC		3		
	Semester hours	17		

Semester 4: 14 hours

NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes
MAT 272	Calculus II	4	MAT 1120	Required for the major
UGETC	Natural Science	4	See Transfer Information at bottom of page for major requirements	
UGETC		3		
Pre-Major/Elective/GEC		3		
	Semester hours	14		
	Total AS degree hours	**62**		

Appalachian Course Work: 63 hours

Summer: 4 hours	Appalachian Course	Course Name	Hours	Notes
	CS 1440	Computer Science I	4	10-week summer course
		Semester hours	4	

Semester 5: 14 hours	Appalachian Course	Course Name	Hours	Notes
	CS 1100	Descrete Math	3	
	CS 2440	Computer Science II	4	
	STT 3850	Statistical Analysis	4	
	MAT 2240	Linear Algebra	3	
		Semester hours	14	

Semester 6: 15 hours	Appalachian Course	Course Name	Hours	Notes
	CS 2450	Intro to Computer Science	3	
	CS 2490	Intro to Theoretical Computer Science	3	
	CS 3430	Database	3	
	CS 3100 OR ENG 3695		3	Choose one to complete Writing in the Discipline requirement
	CS Elective I		3	
		Semester hours	15	

Semester 7: 15 hours	Appalachian Course	Course Name	Hours	Notes
	CS 3481	Computer Systems I	3	
	CS 3490	Programming Languages	3	
	CS 3667	Software Engineering	3	
	CS 3460	Data Structures	3	
	CS Elective II		3	
		Semester hours	15	

Semester 8: 15 hours	Appalachian Course	Course Name	Hours	Notes
	CS 3482	Computer Systems II	3	
	CS 4100	Senior Seminar	3	
	CS 4800		3	Capstone
	CS Elective III		3	
	CS Elective IV		3	
		Semester hours	15	
		Total Appalachian hours	**63**	

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.

Degree Information:
- Science Requirement: The Computer Science major requires a minimum of 8-10 hours. Students should choose two courses in sequence from this list: AST 151/152; BIO 111/112, CHE 151/152, GLY 111/113, PHY 151/152, PHY 251/252
- Students should work to complete the Calculus requirement before transferring to stay on track with transfer guide/BDP.
- 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