

TRANSFER GUIDE/BDP

BS, Sustainable Technology, 571A
Appalachian State University
2023-2024

[Department of Sustainable Technology & the Built Environment](#)
[College of Fine & Applied Arts](#)
[Program of Study](#)

STUDENTS SHOULD PLAN TO BEGIN APPALACHIAN COURSEWORK DURING THE SUMMER TERM. (SEE BELOW)

HOW-TO Use the Transfer Guide/BDP

The Transfer Guides/BDPs have three sections:

- 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.
- Appalachian courses are listed in the gray section. Some majors recommend a summer start term, which is listed in red at the top of the transfer guide/BDP and again in the grey section. Students should use this information to apply to Appalachian based on the recommended start term.
- 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: 60-61 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 Algebra	4	MAT 1020	Required by the major
	UGETC	Humanity/Fine Art Course	3		
	UGETC	Social/Behavioral Science Course	3		
	ACA 122	College Transfer Success	1		
		Semester hours	14		
Semester 2: 16 hours	NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes
	ENG 112	Writing/Research in the Disciplines	3	RC 2001	
	PHY 151	College Physics I	4	PHY 1103	Required for the major
	UGETC	Humanity/Fine Art Course	3		
	UGETC	Social/Behavioral Science Course	3		
	UGETC	Social/Behavioral Science Course	3		
		Semester hours	16		
Semester 3: 16 hours	NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes
	PHY 152	College Physics II	4	PHY 1104	Required for the major
	Pre-Major/Elective/GEC	Environmentally themed course	3	This course may count as Interdisciplinary coursework or a Tech Specialization course	
	Pre-Major/Elective/GEC	Business themed course	3	This course may count as Interdisciplinary coursework or a Tech Specialization course	
	Pre-Major/Elective/GEC		3		
	Pre-Major/Elective/GEC		3		
		Semester hours	16		
Semester 4: 14-15 hours	NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes
	HUM 110	Technology & Society	3	TEC 2029	Required by the major
	Pre-Major/Elective/GEC	Environmentally themed course	3	This course may count as Interdisciplinary coursework or a Tech Specialization course	
	Pre-Major/Elective/GEC	Business themed course	3	This course may count as Interdisciplinary coursework or a Tech Specialization course	
	UGETC or Pre-Major/Elective/GEC	Natural Science or other General Education course**	3-4		**Speak with your CC advisor. If PHY 151 can count as Natural Science course, take general education/pre-major elective course here instead.
	Pre-Major/Elective/GEC		2		
		Semester hours	14-15		
		Total AA degree hours	60-61		

Appalachian Course Work: 68 hours				
Semester 5: 6 hours SUMMER	Appalachian Course	Course Name	Hours	Notes
	BSC 1110	Construction Methods I	3	Minimum grade of C/2.0 required
	BSC 1410	Building Services	3	Minimum grade of C/2.0 required
	Semester hours		6	
Semester 6: 17 hours Fall	Appalachian Course	Course Name	Hours	Notes
	BSC 1210	Architectural Graphics and Modeling I	3	Minimum grade of C/2.0 required
	TEC 2601	Energy Issues and Technology	3	Minimum grade of C/2.0 required
	TEC 3610	Computer Applications for Renewable Energy Systems	3	
	BSC 3625	Construction Safety	2	
	Interdisciplinary Course 4		3	A minimum of 18 hours (6 courses) required. You should have finished 3 at the community college with appropriate selection of electives. See advisor for more information
	Interdisciplinary Course 5		3	
	Semester hours		17	
Semester 7: 15 hours Spring	Appalachian Course	Course Name	Hours	Notes
	TEC 2024	Introduction to Electronics	3	
	TEC 3609	Introduction to PV Technology	3	
	TEC 3638	Foundations of Sustainable Technology	3	Writing in the Discipline (WID)
	Interdisciplinary Course 6		3	
	Electives for the Major 2	Sustainable Transportation	3	A total of 9 courses is required. You should have finished 1 course a the community college with appropriate selection of electives. TEC 3604 is recommended here.
	Semester hours		15	
Semester 8: 15 hours Fall	Appalachian Course	Course Name	Hours	Notes
	Electives for the Major 3	Solar Thermal Energy Technology	3	TEC 4628 is recommended
	Electives for the Major 4	Sustainable Resource Management	3	TEC 3605 is recommended
	Electives for the Major 5	Instrumentation for Renewable Energy Systems	3	TEC 3612 is recommended
	Electives for the Major 6	PV Business	3	TEC 4520 is recommended
	Electives for the Major 7	Building Science	3	BSC 2420 is recommended
	Semester hours		15	
Semester 9: 15 hours Spring	Appalachian Course	Course Name	Hours	Notes
	TEC 4607	Wind & Hydro Power Technology	3	
	TEC 4638	Contemporary Problems in Sustainable Technology	3	CAPSTONE; Minimum grade of C/2.0 is required
	Electives for the Major 8	Renewable Energy Project Development	3	TEC 4615 is recommendd
	Electives for the Major 9	Battery-based Photovoltaics	3	TEC 4633 is recommended
	Electives for the Major 10	Bioenergy Technology	3	TEC 4700 is recommended
	Semester hours		15	
		Total Appalachian hours	68	

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 must submit an application and official college transcripts to be considered for admission.
- Students hoping to begin in the summer or fall term are encouraged to apply by February 15th and those hoping to begin in the spring term are encouraged to apply by October 15th.

Transfer Information:

- Students are strongly encouraged to transfer in the summer.

Questions, call Transfer Admissions & Engagement: 828-262-7877

Transfer Admissions & Engagement

Office of Admissions
Office of Financial Aid
Scholarships
Career Development
University Housing
Off-Campus Housing
Campus Activities

transfer.appstate.edu
admissions.appstate.edu
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Interdisciplinary Coursework

See bulletin.appstate.edu for a full list of recommended courses. Up to six hours from PHL 2015, S D 2400 or PHY 1830 may be used in GEN ED: ILE - Sustainability and Global Resources. These courses may also count toward an optional minor.
List of recommended interdisciplinary courses: BIO 3312 or ECO 2620 or GHY 2812 or 3820 or IND 1401 or 2110 or 3004 or MGT 3010 or PHL 2015 or PHY 1830 or 3140 or PLN 2410 or 4240 or S_D 2400 or 3100 or 4100

Technical Specialization Electives

Choose 30 semester hours from TEC 3520, 3530 – 3549, 3604, 3605, 3606, 3612, 3704, 3748, 4515, 4520, 4523, 4530 – 4539, 4613, 4615, 4616, 4618, 4633, 4700, 4900; BSC 2420, 4435