

TRANSFER GUIDE/BDP

BS, Sustainable Technology, 571A  
Appalachian State University  
2021-2022

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:

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. 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.
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: 61 Transfer hours		Associate in Arts			
Semester	NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes
Semester 1: 14 hours	ENG 111	Writing & Inquiry	3	RC 1000	
	MAT 171	Precalculus Algebra	4	MAT 1020	Required by the major
	<a href="#">UGETC</a>	Humanity/Fine Art	3		
	<a href="#">UGETC</a>	Social/Behavioral Science	3		
	ACA 122	College Transfer Success	1		
			Semester hours	14	
Semester 2: 16 hours	ENG 112	Writing/Research in the Disciplines	3	RC 2001	
	<a href="#">UGETC</a>	Science (Physics preferred)	4		The major requires a 2-semester sequence in either Physics, Biology, or Chemistry
	<a href="#">UGETC</a>	Humanity/Fine Art	3		
	<a href="#">UGETC</a>	Social/Behavioral Science	3		
	<a href="#">UGETC</a>	Social/Behavioral Science	3		
			Semester hours	16	
Semester 3: 16 hours	NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes
	<a href="#">UGETC</a>	Science (Physics preferred)	4		The major requires a 2-semester sequence in either Biology, Chemistry or Physics
	<a href="#">Pre-Major/Elective/GEC</a>	Environmentally themed course	3		This course may count as Interdisciplinary coursework or a Major Elective
	<a href="#">Pre-Major/Elective/GEC</a>	Business themed course	3		This course may count as Interdisciplinary coursework or a Major Elective
	<a href="#">Pre-Major/Elective/GEC</a>		3		
	<a href="#">Pre-Major/Elective/GEC</a>		3		
		Semester hours	16		
Semester 4: 15 hours	NCCC Course	Course Name	Hours	Appalachian Equivalent	Notes
	HUM 110	Technology & Society	3	TEC 2029	Required by the major
	<a href="#">Pre-Major/Elective/GEC</a>	Environmentally themed course	3		This course may count as Interdisciplinary coursework or a Major Elective
	<a href="#">Pre-Major/Elective/GEC</a>	Business themed course	3		This course may count as Interdisciplinary coursework or a Major Elective
	<a href="#">Pre-Major/Elective/GEC</a>		3		
	<a href="#">Pre-Major/Elective/GEC</a>		3		
		Semester hours	15		
		<b>Total AA degree hours</b>	<b>61</b>		

Appalachian Course Work: 64 hours				
<b>Semester 5: 6 hours</b> (summer)	<b>Appalachian Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Notes</b>
	TEC 1708	Construction Methods I	3	
	TEC 2718	Building Services	3	
		Semester hours	6	
<b>Semester 6: 16 hours</b> (fall)	<b>Appalachian Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Notes</b>
	TEC 1728	Architectural Graphics and Modeling	3	
	TEC 2601	Energy Issues and Technology	3	
	TEC 3610	Computer Applications for Renewable Energy Systems	3	
	TEC 3807	Construction Safety	1	
	Interdisciplinary Coursework		3	
	Interdisciplinary Coursework		3	
	Semester hours	16		
<b>Semester 7: 15 hours</b> (spring)	<b>Appalachian Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Notes</b>
	TEC 2024	Introduction to Electronics	3	
	Interdisciplinary Coursework		3	
	TEC 3609	Introduction to PV Technology	3	
	Electives for the Major (TEC 3604)	Sustainable Transportation	3	Choose from approved list
	TEC 3638	Foundations of Sustainable Technology	3	
	Semester hours	15		
<b>Semester 8: 16 hours</b> (fall)	<b>Appalachian Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Notes</b>
	Electives for the Major (TEC 3605)	Sustainable Resource Management	3	Choose from approved list
	Electives for the Major (3612)	Instrumentation for Renewable Energy Systems	3	Choose from approved list
	Electives for the Major (4520)	PV Business	3	Choose from approved list
	Electives for the Major (3748)	Building Science	3	Choose from approved list, requires PHY 1104 as a prerequisite
	TEC 4628	Solar Thermal Energy Technology	3	
	Semester hours	15		
<b>Semester 9: 15 hours</b> (spring)	<b>Appalachian Course</b>	<b>Course Name</b>	<b>Hours</b>	<b>Notes</b>
	Technical Specialization Elective (4615)	Renewable Energy Project Development	3	Choose from approved list
	Technical Specialization Elective (4633)	Battery-based Photovoltaics	3	Choose from approved list
	TEC 4607	Wind & Hydro Power Technology	3	
	Technical Specialization Elective (4700)	Bioenergy Technology	3	Choose from approved list
	TEC 4638	Contemporary Problems in Sustainable Technology	3	
	Semester hours	15		
<b>Total Appalachian hours</b>			<b>67</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 must submit an on-line application and official college transcripts to be considered for admission.

#### Transfer Information:

- **Students are strongly encouraged to transfer in the summer.**
- Students completing an AA degree prior to transferring can expect two and 1/2 years to complete this degree.
- Students should complete a UGETC 2-semester Science sequence in either Biology, Chemistry, or Physics.

#### Interdisciplinary Coursework

See bulletin.appstate.edu for a full listing of recommended courses. Up to six hours from PHL 2015, S D 2400 or PHY 1830 may be used in GEN ED: Integrative Learning Experience: 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 2012 or 2110 or 3004 or MGT 3010 or PHL 2015 or PHY 1830 or 3140 or PLN 2400 or 2812 or 4240 or S\_D 2400 or 3100 or 4100

#### Electives for the Major

Choose 25 – 27 semester hours from TEC 3520, 3530 – 3549, 3604, 3605, 3606, 3612, 3704, 3748, 4520, 4530 – 4539, 4613, 4615, 4616, 4618, 4633,

#### Transfer Resources:

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

