		study ahro	ad experience, instructional assistantships or Interdisciplinary courses listed al	oove not already used elsewhere in the maior. See the Sust	
	eal Elective	es (<mark>7 -9 sh</mark>)			
TEC	4900	(3)	Internship (CAP)		
Capstor TEC	ne (3 sh) 4638 OR	(3)	Contemporary Problems in Appropriate Technology (CAP) ("C" minimum requ	nired) (Prerequisite: TEC 4608 or permission of the instructor	
TEC	4711	(3)	3638 or permission of the instructor) Computer Modeling of Renewable Energy Systems (Prerequisites: TEC 2601 and TEC 3638 or permission of the instructor)		
TEC	4628	(3)	3638 or permission of the instructor) Solar Thermal Energy Technology (Prerequisite: TEC 1708, TEC 1728, TEC 2029, TEC 2601, TEC 2718, & TEC		
TEC	4608		permission of the instructor) Photovoltaic System Design & Construction (Prerequisite: TEC 1708, TEC 1728, TEC 2029, TEC 2601, TEC 2718, & TEC		
The foll TEC	lowing are 4607	required co	Wind and Hydro Power Technology (Prerequisite: TEC 1708, TEC 1728, TEC 20	29, TEC 2601, TEC 2718, & TEC 3638 or	
				· monaccot)	
TEC TEC	4618 4700		Sustainable Building Design & Construction (Prerequisite: TEC 1708 or permission of the instructor) Biofuels Technology (Prerequisites: TEC 2601 and TEC 3638 or permission of the instructor)		
TEC	3748	(3)	Building Science (Prerequisites: TEC 1708 and 2718 & MAT 1020 or higher, or permission of the instructor)		
TEC	3606	(3)	Sustainable Water and Wastewater Technology (Prerequisites: TEC 2029, or permission of the instructor)		
TEC	3605				
Select 1 TEC	.5 sh from 1 3604	the followin		of the instructor)	
		zation (27 s			
S D	4100	(4)	Agroecology Practices, Systems & Philosophies (Prerequisite: S D 3100 or perm	ssion of the instructor)	
SD	3100	(3)	Principles of Agroecology		
S D	2410		Principles of Sustainable Development (Gen Ed: Local to Global Perspective; Sus	tainability & Global Change)	
PHY PLN	3140 2410		Environmental Physics (Prerequisite: PHY 1104 or PHY 1151) Town, City and Regional Planning		
PHY	1830		The Physical Principles of Energy & Sustainability (Gen Ed: Local to Global; Sus	tainability & Global Change)	
PHL	2015	(3)	Environmental Ethics (Gen Ed: Local to Global Perspective; Sustainability & Glo	9 /	
MGT	3010		Survey of Management		
GHY GHY	2812 3820		Geospatial Data & Technology GIS for Environmental & Social Sciences		
ECO	2620		Environmental & Resource Economics (Gen Ed: Local to Global Perspective: Glo	obal Resources)	
Recom: BIO	mended co	urses includ	Environmental Studies		
Choose	4 courses i	from the lis	(12 - 14sh) t of approved Interdisciplinary electives. These courses are from the Departme		
IND	2012	(3) Produc	t Design	Net Maior Hrs: 68 - 72	
PHO	1022	(3) Photog	raphic Imaging I	Total Major Hrs: 89 - 93 Gen Ed – up to:	
GRA	1022	$_{-}$ (3) Weidir $_{-}$ (3) Elect I	ooc Design I	Total Major Hrs: 89 - 93	
TEC IND		_ (3) Electr _ (3) Weldir		ECO 2620 (3) L to G Perspective: Global Resour	
		om the follo		TEC 2601 (3) L to G Perspective: Global Resour	
				S D 2400 (3) L to G Perspective: Sustainability PHL 2015 (3) L to G Perspective: Sustainability	
TEC	3807	(1)	equivalent; TEC 2029 and TEC 2601 or permission of the instructor) Construction Safety	TEC 2029 (3) L to G Perspective: Sustainability	
TEC	3638		Foundations of Appropriate Technology (WID) (Prerequisites: ENG 2001 or its	SCIENCE (8) Science Requirement	
IND	2110		Intro to Fabrication	Major requirements that may count in Gen Ed: MAT 1025 (4) Quantitative Literacy	
*TEC TEC	2601 2718		Energy Issues & Technology (Gen Ed: Local to Global Perspective) Building Mechanical Systems		
*TEC	2029	(3)	Society & Technology (Gen Ed: Local to Global Perspective; Sustainability & Glo	oal Change)	
TEC	1708		Architectural Graphics & Computer Modeling (Pre/Coreq. TEC 1708)		
The foll TEC	lowing are 1708	required co	ourses: Construction Technology & Building Codes		
Introdu	ictory Buil	t Environm	ent and Sustainable Technology Coursework (28 sh)		
An over Junior *MAT	rall 2.0 GP Writing in 1025	A is require the Discipli (4) Alge	ed in the major. 18 semester hours must be completed at Appalachian. the (WID) & Senior Capstone Experience (CAP) must be met. the and Elementary Functions (or higher) (Prerequisite: must pass the math p & BIO 1203 or CHE 1101/ 1110 & CHE 1102/ 1120 or P	lacement or MAT 0010)	
(MAT 1 Local to	1025 taken o Global: C	for the maj Global Reso	or fulfills Quantitative Literacy. TEC 2029 partially fulfills Local to Global: Suurces. Science requirement for major completes science sequence for Gen Ed.)	stainability & Global Change. Or TEC 2601 partially fulf	
elor of Science ree Code Teaching		578 A		nology & Environmental Design Majors inable Technology	
		(BS)	1 rogi	am of Study for	

FREE ELECTIVES (to total a minimum of 123 sh for this major) 6-10
2 sh of free electives outside the major discipline are required. 122