<b>Bachelor of Science</b>			rogram of Study for	
_	gree Code	577 *	Technology & Environmental Design Majors	
Concentration			Building Sciences	
Non	n-Teaching		Sustainable Building Systems	
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I.	(PHV 1102 & 1104 for the	ATION major fulfills Science Perspective. MAT 1025 fulfills Quantitative Literacy. TEC 2029,	TEC 2601 BHI 2015 ECO 2620 or BHV 1920 may count toward	
	Gen Ed if completing a the		, TEC 2001, PHL 2013, ECO 2030 of PH 1 1830 may count toward	
II.	MAJOR REQUIRE	MENTS		
	(An overall 2.0 GPA is required in the major. 18 semester hours must be completed at Appalachian. Laptop computers are required).			
	Junior Writing in the	ne Discipline (WID) & Senior Capstone Experience (CAP	) must be met.	
	ounior writing in vi	a senior cupatione Experience (c.11)	, must be men	
	<b>Foundation Course</b>	work (15 sh)		
		4) Algebra & Elementary Functions (or higher) (Prerequisite: pass m	ath placement or MAT 0010)	
	TEC 2029(	3) Society & Technology (Gen Ed: Local to Global Perspective)		
	PHY 1103(	4) General Physics I (Corequisite: MAT 1025 or equivalent) (Gen Ed: Se	cience Perspective)	
	PHY 1104(	4) General Physics II (Prerequisite: PHY 1103 or equivalent) (Gen Ed: S	Science Perspective)	
	Introductory Cours	ework (21 sh) Minimum grade of "C" in each course is required	VTG 0.500)	
TEC 1728 (3) Architectural Graphics & Computer Modeling (Pre/Corequisite: TEC 2708) TEC 2708 (3) Construction Technology & Building Codes ** Upon completion of TEC 1728 and TEC 2708, students will take the Building Science Competency		Architectural Graphics & Computer Modeling (Pre/Corequisite: T	EC 2708)	
		ones Competency Even (o minimum grade		
		required before taking Advanced Coursework.	ence Competency Exam (a minimum grade	
		B) Energy Issues & Technology (Gen Ed: Local to Global Perspect	tive)	
	TEC 2718 (	B) Building Mechanical Systems	1110)	
	TEC 2758	3) Surveying, Soils and Foundations (Prerequisite: MAT 1025)		
		3) Commercial Construction Technology (WID) (Prerequisite: MAT	T 1025, TEC 2708, TEC 2758)	
	TEC 3039 (	Materials Science (Prerequisites: PHY 1104 and TEC 2708)	, , , ,	
	,			
	Advanced Coursew	ork (30 sh) Minimum grade of "C" in each course is required		
		3) Construction Estimating (Prerequisite: MAT 1025 or higher, TEC 2708, 30	038. knowledge of word processing & spreadsheets)	
		3) Architectural Design Studio I (Prerequisites: TEC 1728, 2708 or pe		
	TEC 3738 (			
		Building Science (Prerequisite: TEC 2708, 2718, MAT 1025 or higher		
		3) Leadership in Technical Settings		
	TEC 4618(			
	TEC 4758(			
		3) Integration of Energy and Building Systems (Prerequisite: TEC 3)	718, 3728, 3748, 4618 or permission of the instructor)	
	TEC 4900(	6) Internship (CAP)		
	M-: Fl4: (12			
		sh from the following)	4	
TEC 3035 (1-3) Architectural Field Study (Prerequisite: TEC 3728 or permission of the instructor) TEC 3036 (1-3) Construction Management Field Study (Prerequisite: TEC 3728 or permission of the instructor)				
	TEC 3037 (1-3) Construction Management Field Study (Prerequisite: TEC 3728 or permission of the instructor)  TEC 3037 (1-3) Sustainable Building Systems Field Study (Prerequisite: TEC 3728 or permission of the instructor)			
	:	B) Foundations of Appropriate Technology (Prerequisites: TEC 2029 and TE		
	`	1) Construction Safety	2001, of permission of the instructor, and E100 2001 of its equivalent,	
	\	3) Photovoltaic System Design & Construction (Prereq: TEC 1728, TEC 202	29, TEC 2601, TEC 2708, TEC 2718, TEC 3638 or permission of the instructor.)	
		3) Solar Thermal Energy Technology		
	TEC 4711(	Computer Modeling of Renewable Energy (Prerequisites: TEC 2601 and T	TEC 3638 or permission of the instructor.)	
	ACC 1050(	3) Survey of Accounting		
	\	3) Legal Environment of Business		
		B) Environmental Physics (Prerequisite: PHY 1104 or 1154)		
	(	3) Other courses in the Dept. of Tech. & Env. Design related to sus	stainability or environmental topics approved by the	
		program coordinator	Major requirements that may count toward Gen. Ed:	
	Intendicainlin C	nuwco (0 sh)	MAT 1025 (4) Quantitative Literacy (fulfills)	
	Interdisciplinary Co ECO 2620 (	B) Environmental Resource Economics (Gen Ed: Local to Global Persp.)	PHY 1104 (4) Science Perspective	
		B) Environmental Ethics (Gen Ed: Local to Global Persp.)	TEC 2029 (3) Local to Global Perspective TEC 2601 (3) Local to Global Perspective	
		B) Physical Principles of Energy & Sustainability (Gen Ed: Local to Glob F	PHL 2015 (3) Local to Global Perspective	
	1111 1030 (	of Thysical Timespies of Energy & Sastamasiney (our Ed. Escar to Glob)	PHY 1830 (3) Local to Global Perspective ECO 2620 (3) Local to Global Perspective	
			Total Major Hrs: 87	
			Gen Ed: up to -21 Net Maior Hrs: 66	
III.	MIONR NOT REQ	<u> UIRED</u> – Recommended minors are General Business or Comm	unity and Regional Planning	
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IV.				
	∠ sn of free electives	outside the major discipline are required.	122	