

I.	<b>GENERAL EDUCATION</b> .....	44
II.	<b>MAJOR REQUIREMENTS</b> .....	74-78
	<i>An overall 2.0 GPA is required in the major. 18 sh must be completed at Appalachian.</i>	
*	<b>MAT 1025</b> (4) <b>Algebra and Elementary Functions (or higher)</b> (Prerequisite: pass math placement or MAT 0010) <b>Introductory Technology Coursework (27 sh)</b>	
*	<b>TEC 2029</b> (3) <b>Society &amp; Technology</b> (Gen Ed theme: LtoG: Sustainability and Global Change)	
*	<b>TEC 3601</b> (3) <b>Energy Issues and Technology</b> (Gen Ed theme: LtoG: Global Resources)	
	<b>And select 7 courses from the following:</b>	
	<b>GRA 1012</b> (3) <b>Graphic Communications I</b>	
	<b>GRA 2102</b> (3) <b>Electronic Prepress</b> (Prerequisite: GRA 1012)	
	<b>IND 2012</b> (3) <b>Product Design</b>	
	<b>IND 2120</b> (3) <b>Materials and Processes I</b>	
	<b>IND 2201</b> (3) <b>Design Drawing I</b>	
	<b>IND 3120</b> (3) <b>Materials and Processes II</b> (Prerequisites: IND 2120, IND 2901)	
	<b>TEC 1023</b> (3) <b>Introduction to Electronics</b> (Prerequisite: MAT 0010 or placement test)	
	<b>TEC 1728</b> (3) <b>Architectural Drafting</b> (Prerequisite or Corequisite: TEC 2708)	
	<b>TEC 2708</b> (3) <b>Construction Technology &amp; Building Codes</b>	
	<b>TEC 2718</b> (3) <b>Building Mechanical Systems</b>	
	<b>TEC 3039</b> (3) <b>Materials Science</b> (Prerequisites: PHY 1104 and TEC 2708)	
	<b>TEC 3728</b> (3) <b>Residential Architecture</b> (Prerequisites: TEC 1728, TEC 2708 or instructor permission)	
	<b>Interdisciplinary Coursework (select any 3 courses: 9-11 sh)</b>	
	<b>ANT/SD 4570</b> (3) <b>Sustainable Development in the Modern World System</b>	
	<b>BIO 3312</b> (3) <b>Environmental Studies</b>	
*	<b>ECO 2620</b> (3) <b>Environmental and Resource Economics</b> (Gen Ed theme: LtoG: Global Resources)	
*	<b>S D 2400</b> (3) <b>Principles of Sustainable Development</b> (Gen Ed theme: LtoG: Sustainability and Global Change)	
	<b>S D 3100</b> (4) <b>Principles of Agroecology</b>	
	<b>S D 4100</b> (4) <b>Agroecology Practices, Systems &amp; Philosophies</b> (Prerequisite: S D 3100 or instructor permission)	
	<b>MGT 3010</b> (3) <b>Survey of Management</b>	
*	<b>PHL 2015</b> (3) <b>Environmental Ethics</b> (Gen Ed theme: LtoG: Sustainability and Global Change)	
	<b>PHY 3140</b> (3) <b>Environmental Physics</b> (Prerequisite: PHY 1104 or PHY 1151)	
	<b>PLN 2410</b> (3) <b>Town, City and Regional Planning</b>	
	<b>Other courses in sustainability, geography and planning, business, or environmental topics approved by the advisor; memo must be sent to Dean's Office.</b>	
	<b>Technical Specialization (select any 7 courses: 19-21 sh)</b>	
	<b>TEC 3520</b> (1) <b>Instructional Assistance</b> (Prerequisite: Jr or Sr Standing, Approved Contract Required)	
	<b>TEC 4604</b> (3) <b>Sustainable Transportation</b>	
	<b>TEC 4605</b> (3) <b>Sustainable Resource Management</b>	
	<b>TEC 4606</b> (3) <b>Sustainable Water and Wastewater Technology</b>	
	<b>TEC 4607</b> (3) <b>Wind and Hydro Power Technology</b> (Prerequisite: TEC 3601 or instructor permission)	
	<b>TEC 4608</b> (3) <b>Photovoltaic System Design and Construction</b> (Prerequisite: TEC 3601 or instructor permission)	
	<b>TEC 4618</b> (3) <b>Sustainable Bldg Design &amp; Construction</b> (Prerequisite: TEC 2708 or instructor permission)	
	<b>TEC 4628</b> (3) <b>Solar Thermal Energy Technology</b>	
	<b>TEC 4700</b> (3) <b>Biofuels Technology</b>	
	<b>TEC 4708</b> (3) <b>Building Science</b> (Prerequisites: TEC 2708, MAT 1020 or higher, or instructor permission)	
	<b>TEC 4711</b> (3) <b>Computer Modeling of Renewable Energy Systems</b> (Prerequisite: TEC 3601)	
	<b>Senior Project/Thesis (3 sh)</b>	
	<b>TEC 4638</b> (3) <b>Contemporary Problems in Appropriate Technology (CAP) (a minimum grade of "C" is required)</b> (Prerequisite: TEC 4608 or instructor permission)	
	<b>Electives/Internship (12 sh)</b>	
	<b>TEC 4900</b> (3-6) <b>Internship</b>	
	<b>AND/ OR</b>	
	<b>TEC Electives or courses from interdisciplinary courses above not already used in the major</b>	
III.	<b>MINOR NOT REQUIRED</b>	
IV.	<b>FREE ELECTIVES (to total a minimum of 122 sh)</b> .....	2-11
	<b>2 sh of free electives outside the major discipline are required.</b>	124-129
	<b>*Note: MAT 1025 and TEC 2029 or TEC 3601 taken for the major may count toward General Education.</b>	<b>up to 7</b>
		122-124