

I. CORE CURRICULUM ..... \*41

Any science sequence acceptable

MAT 1020\_\_\_\_(4) (or higher) Required

Note: TEC 2029 required for the major will count as a social science course in core curriculum reducing core curriculum requirements from 44 sh to 41 sh

II. MAJOR REQUIREMENTS..... 70-77

*An overall 2.0 GPA is required in the major/18 sh must be completed at Appalachian*

Introductory Technology Coursework (24-27 sh)

TEC 2029\_\_\_\_(3) (CD/MC/W) Society & Technology (counts as a social science in core curriculum)

And select 7 courses from the following:

- GRA 2102\_\_\_\_(3) (C) Electronic Prepress
- IND 1001\_\_\_\_(4) (C) Technical Drafting
- IND 2011\_\_\_\_(4) (W) Introduction to Product Design
- IND 2201\_\_\_\_(3) Design Drawing I
- TEC 1023\_\_\_\_(3) (ND) Introduction to Electronics
- TEC 2004\_\_\_\_(3) Intro to Metals Technology
- TEC 2005\_\_\_\_(4) Wood Technology
- TEC 2708\_\_\_\_(3) Construction Technology & Building Codes
- TEC 2718\_\_\_\_(3) Building Mechanical Systems
- TEC 3039\_\_\_\_(3) Materials
- TEC 3728\_\_\_\_(3) Residential Architecture (was 3021)

Major Designators

2 Writing (W)      \_\_\_ \_\_\_

1 Speaking (S)    \_\_\_

\*Com Prof         \_\_\_

\*A "C" minimum in TEC 4638 satisfies Communication Proficiency

Other Designators

4 Writing (W)     \_\_\_ \_\_\_ \_\_\_ \_\_\_

(English 1000/1100 will count as 2 W)

4 Multi-cul (MC) \_\_\_ \_\_\_ \_\_\_ \_\_\_

(His 1101/1102 will count as 2 MC)

2 Num Data (ND) \_\_\_ \_\_\_

2 Computer (C)   \_\_\_ \_\_\_

1 Cross-dis (CD) \_\_\_

Interdisciplinary Coursework (select any 3 courses: 9-11 sh)

- ANT 4570\_\_\_\_(3) (W/MC/CD) Sustainable Development in the Modern World System
- BIO 3312\_\_\_\_(3) (S/W) Environmental Studies
- ECO 3620\_\_\_\_(3) Environmental and Resource Economics
- IDS 2440\_\_\_\_(3) (CD) Introduction to Sustainable Development
- IDS 3251\_\_\_\_(4) Principles of Agroecology
- IDS 4251\_\_\_\_(4) Agroecology Practices, Systems and Philosophies
- MGT 3010\_\_\_\_(3) Survey of Management
- PHY 3140\_\_\_\_(3) (CD) Environmental Physics
- PHL 2015\_\_\_\_(3) (W/MC/CD) Environmental Ethics
- PLN 2410\_\_\_\_(3) (CD) Town, City and Regional Planning

\_\_\_\_\_ Other courses in Sustainable Development or Appropriate Technology or Environmental topics (at the discretion of the advisor)

Technical Specialization (select any 8 courses: 22-24 sh)

- TEC 3520\_\_\_\_(1) Instructional Assistance
- TEC 3601\_\_\_\_(3) Introduction to Energy Issues and Technology
- TEC 4604\_\_\_\_(3) Sustainable Transportation
- TEC 4605\_\_\_\_(3) Sustainable Resource Management
- TEC 4606\_\_\_\_(3) Sustainable Water and Waste Water Technology
- TEC 4607\_\_\_\_(3) Wind and Hydro Power Technology
- TEC 4608\_\_\_\_(3) Photovoltaic System Design and Construction
- TEC 4618\_\_\_\_(3) Sustainable Bldg Design & Construction
- TEC 4628\_\_\_\_(3) Solar Thermal Energy Technology
- TEC 4708\_\_\_\_(3) (W/CD/ND) Building Science
- TEC 4711\_\_\_\_(3) (C) Computer Modeling of Renewable Energy Systems

Senior Project/Thesis (3 sh)

TEC 4638\_\_\_\_(3) (S/W) Contemporary Problems in Appropriate Technology (C minimum required)

Electives/Internship (12 sh)

TEC 4900\_\_\_\_(3-6) (W) Internship

AND/ OR

TEC Electives or courses from interdisciplinary courses above not already used in the major

III. MINOR NOT REQUIRED

IV. FREE ELECTIVES (to total a minimum of 122 sh)..... 4-11

2 sh of free electives outside the major discipline are required