

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)

| <u>Major Designators</u>                                       |                 |
|--|-----------------|
| 2 Writing (W)  | ___ ___         |
| 1 Speaking (S)   | ___             |
| *Com Prof  | ___             |
| *A "C" minimum in TEC 4638 satisfies Communication Proficiency |                 |
| <u>Other Designators</u>                                       |                 |
| 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

NAME \_\_\_\_\_ MAJOR Appropriate Technology

|                                       |
|---------------------------------------|
| _____ Passed _____ Completed MAT 0010 |
|---------------------------------------|

**ENGLISH (6 s.h.)**

\_\_\_\_\_ English 1000 (W)  
\_\_\_\_\_ English 1100 (W) or \_\_\_\_\_ 1510 (W)

**MATHEMATICS (4 s.h.)**

\_\_\_\_\_ Math 1010 (ND, C, CD) \_\_\_\_\_ Math 1030 (ND, C)  
\* \_\_\_\_\_ Math 1020 (ND) \_\_\_\_\_ Math 1110 (ND)  
\_\_\_\_\_ Math 1025 (ND) \_\_\_\_\_ Math 1120 (ND)

\*Math 1020 or higher required for major

**NATURAL SCIENCES (8 s.h. of a sequence)**

\_\_\_\_\_ Astronomy 1001 (ND) \_\_\_\_\_ 1002 (ND)  
\_\_\_\_\_ Biology 1101(ND) \_\_\_\_\_ 1102(ND)  
\_\_\_\_\_ Chemistry 1101 (ND), \_\_\_\_\_ 1110 \_\_\_\_\_ 1102 (ND), \_\_\_\_\_ 1120  
\_\_\_\_\_ Geology 1101 (ND) \_\_\_\_\_ 1102 (ND, CD) or  
\_\_\_\_\_ Geology 1101 (ND) \_\_\_\_\_ 1103 (ND) or  
\_\_\_\_\_ Geology 1510 (W, ND) \_\_\_\_\_ 1511 (W, ND)  
\_\_\_\_\_ Physics 1101 (ND) \_\_\_\_\_ 1102 (ND) or  
\_\_\_\_\_ Physics 1103 (ND) \_\_\_\_\_ 1104 (ND) or  
\_\_\_\_\_ Physics 1150 (ND) \_\_\_\_\_ 1151 (ND)

**PHYSICAL ACTIVITY/WELLNESS (2 s.h.)**

\_\_\_\_\_ DAN 1400 (2) \_\_\_\_\_ 1410 (2) \_\_\_\_\_ 1420 (2) \_\_\_\_\_ 2400 (2)  
\_\_\_\_\_ DAN 2410 (2) \_\_\_\_\_ 2420 (2) \_\_\_\_\_ 3480 (2) \_\_\_\_\_ 3580 (2)  
\_\_\_\_\_ FCS 2202 (3)  
\_\_\_\_\_ HP 1105 (2)  
\_\_\_\_\_ MSL 1101(1) \_\_\_\_\_ 1102 (1)  
\_\_\_\_\_ MUS 1100(1) (May count twice)  
\_\_\_\_\_ PE Activities 1000-1049 (1), \_\_\_\_\_ 1057 (1), \_\_\_\_\_ 1071-1080(1)  
PE majors only: PE 3008(3)

For Music Therapy Majors Only: Completion of BIO 1101 (ND) (4 sh) and ES 2000 (5 sh) will fulfill the core curriculum science requirement.

General Science Sequence:

\_\_\_\_\_ G.S. Physics 1010 (ND) or \_\_\_\_\_ G.S. Astronomy 1010 (ND) and \_\_\_\_\_ G.S. Chemistry 1020 (ND) followed by:  
\_\_\_\_\_ G.S. Geology 1030 (ND) and \_\_\_\_\_ G.S. Biology 1040 (ND)

**SOCIAL SCIENCES (History - 6 s.h.)**

\_\_\_\_\_ History 1101 (MC) & \_\_\_\_\_ History 1102 (MC) or \_\_\_\_\_ History 1510 (W, MC) & \_\_\_\_\_ History 1515 (W, MC) or \_\_\_\_\_ HIS 1103\*\*(MC)

**\*\*If received an "A" in High School World Civ/World His class may take HIS 1103 instead of 1101 & 1102. If taking 1103 must take 3 courses from other Social Sciences in at least 2 different areas.**

**OTHER SOCIAL SCIENCES (6 s.h.)**

Choose TWO courses from different areas, THREE if HIS 1103 chosen above. (\*Approved on a semester by semester basis)

\_\_\_\_\_ Anthropology 1215 (MC), 1220, 2335 (MC), 2420 (MC)  
\_\_\_\_\_ Appalachian Studies 2411 (W, MC, CD), 2515 (W, MC, CD)  
\_\_\_\_\_ Economics 1010, 2030  
\_\_\_\_\_ Family and Consumer Sciences 2103 (C) (FCS 2103 or SOC 1110 to fulfill requirements, but not both)  
\_\_\_\_\_ Geography 1010 or 1510, 1020 (MC) or 1515(MC), 1040 (MC); Planning 2410 (CD) or 2510  
\_\_\_\_\_ Honors 1515\* (CD, W\*, S\*, MC\*, ND\*, C\*), 2515\* (CD, W\*, S\*, MC\*, ND\*, C\*), 3515\* (CD, W\*, S\*, MC\*, ND\*, C\*)  
\_\_\_\_\_ Interdisciplinary Studies 1101\*, 1103\*; 1102\*, 1104\*; 2201\*-2206\* (W\*, S\*, MC\*, CD\*),  
Note: Priority enrollment given to Watauga Residential College students  
\_\_\_\_\_ Interdisciplinary Studies 2210 (W, MC, CD)  
\_\_\_\_\_ Political Science 1000 (MC), 1100, 1200, 1201 (S), 2120 (MC), 2130, 2240 (MC)  
\_\_\_\_\_ Psychology 1200  
\_\_\_\_\_ Recreation Management 2400 (CD)  
\_\_\_\_\_ Social Work 2020  
\_\_\_\_\_ Sociology 1000, 1100, 1110, 2700, 2850 (W) (May take FCS 2103 or SOC 1110, but not both)  
\*TEC 2029 \_\_\_\_\_ Technology 2029 (W, MC, CD), 3601 (CD)  
\_\_\_\_\_ Women's Studies 2421 (W, MC, CD)

\*Required for Major

**HUMANITIES (12 s.h.)**

Choose FOUR courses from at least three areas. One course must be a LITERATURE course and one course must be from the fine arts (ART, DANCE, MUSIC or THEATRE). Courses underlined are approved for literature. (\*Approved on a semester by semester basis)

\_\_\_\_\_ Appalachian Studies 2016 (counts as a HUM FA), 2410 (W, MC, CD) 2510 (W, MC, CD)  
\_\_\_\_\_ Art 2011, 2013 (W, MC, CD), 2030 (MC), 2130 (W, MC)  
\_\_\_\_\_ Chinese 1040 (MC), 1050 (MC)  
\_\_\_\_\_ Dance 2014 (MC), 3430 (W, MC)  
\_\_\_\_\_ English 2010 (W), 2020 (W), 2030 (W, MC), 2040 (W, MC), 2100 (W), 2120 (W, MC), 2130 (W, MC), 2310 (W), 2320 (W), 2510 (W), 2515 (W)  
\_\_\_\_\_ English 2170 (counts as a separate area; does not fulfill literature)  
\_\_\_\_\_ Foreign Language 2010 (MC), 2025 (MC), 2510 (MC)  
+ \_\_\_\_\_ French 1040 (MC), 1050 (MC), 1060 (MC), 3030 (W,MC), 3040 (W,MC)  
+ \_\_\_\_\_ German 1040 (MC), 1050 (MC), 1060 (MC), 3015 (W, MC), 3025 (W, MC), 3050 (MC), 3055 (W, MC), 3550 (W, MC)  
\_\_\_\_\_ Honors 1515 \* (CD, W\*, S\*, MC\*, ND\*, C\*), 2515\* (CD, W\*, S\*, MC\*, ND\*, C\*), 3515\* (CD, W\*, S\*, MC\*, ND\*, C\*)  
\_\_\_\_\_ Interdisciplinary Studies 1101\*, 1103\*; 1102\*, 1104\*; 2201\*-2206\* (W\*, S\*, MC\*, CD\*),  
Note: Priority enrollment given to Watauga Residential College students  
\_\_\_\_\_ Interdisciplinary Studies 2210 (W, MC, CD)  
\_\_\_\_\_ Japanese 1040 (MC), 1050 (MC)  
+ \_\_\_\_\_ Latin 1040 (MC), 1050 (MC), 3010 (MC), 3020 (MC)  
\_\_\_\_\_ Music 2011 (MC), 2013 (W, MC, CD), 2014, 2015, 2016, 2017, 2018 (MC), 2019, 2020  
Music majors only: 1611 (W, MC), 2611 (MC, CD), 2612 (W, MC, CD), 2613, 3611 (W, MC, CD)  
\_\_\_\_\_ Philosophy 1000, 1040 (W), 1100, 2000, 2013 (W, MC, CD counts as a HUM FA), 2015 (W, MC, CD), 3013 (W, CD), 3600 (W)  
\_\_\_\_\_ Religious Studies 1010 (MC), 1110 (MC), 2010 (W, MC), 2020 (W, MC), 2030 (MC), 2040 (MC), 2110 (W, MC), 2120 (W, MC), 2130 (MC), 2140 (W, MC), 2150 (W, MC)  
\_\_\_\_\_ Russian 1040 (MC), 1050 (MC)  
+ \_\_\_\_\_ Spanish 1040 (MC), 1050 (MC), 1060 (MC), 3015 (W, MC), 3025 (W, MC), 3050 (W, MC), 3055 (W, MC)  
\_\_\_\_\_ Theatre 2011, 2015 (MC,CD), 2610 (W, S), 3640 (S), 3730 (W, MC,CD), 3733 (W,MC,CD), 3735 (W, MC, CD)  
\_\_\_\_\_ Women's Studies 2420 (W, MC, CD)

+Foreign Language Placement Exam Required before Enrollment