Bachelor of Science (BS) 2008 - 2009
Non-Teaching
Appropriate Technology

Degree Code 578 A

I.  CORE CURRICULUM

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

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)

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)

2 sh of free electives outside the major discipline are required

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NC Community College  APPALACHIAN STATE UNIVERSITY CORE CURRICULUM CHECKSHEET 2008-2009
Core Met

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)

*Nmath 1020 or higher required for major

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

- Astronomy 1001 (ND)
- Biology 1101 (ND)
- Chemistry 1101 (ND), 1110
- Geology 1101 (ND)
- Geology 1101 (ND)
- Geology 1510 (W, ND), 1511 (W, ND)
- Physics 1101 (ND)
- Physics 1103 (ND)
- Physics 1150 (ND)

PHYSICAL ACTIVITY/WELLNESS (2 s.h.)

- DAN 1400 (2)
- DAN 1410 (2)
- DAN 1420 (2)
- 2400 (2)
- DAN 2410 (2)
- 2420 (2)
- 3580 (2)

For Music Therapy Majors Only: Completion of BIO 1103 (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. Biology 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
- 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)
- 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 majors only: 1611 (W, MC), 2611 (MC, CD), 2612 (W, MC, CD), 2613, 2611 (W, MC)
- Philosophy 1000, 1040 (W), 1100, 2000, 2013 (W, MC, CD counts as a HUM FA), 2015 (W, MC, CD), 2310 (W, CD), 3600 (W)
- 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