

Bachelor of Science (BS)
 Non-Teaching
 Degree Code 577*
 Concentration Code 577C

Checksheet for Technology Majors
 Building Sciences
 Construction Management Concentration

I. CORE CURRICULUM 44

- MAT 1020____(4) or Higher (**Required**)
- TEC 2029____(3) (CD/MC/W) Society & Technology (**Required**)
- ECO 2030____(3) Principles of Eco-Price-Theory (required only if Business Minor is chosen)
- SNH 1040 is suggested as a humanities course for students who plan to take SNH 1010 and 1020 for the major.

II. MAJOR REQUIREMENTS 59

*An overall 2.0 GPA is required in the major/18 sh must be completed at Appalachian
 (Note: Students with no experience with the internet, e-mail, www, word processing and/or spreadsheets,
 must take an introductory computer course.)*

Introductory Coursework (16 sh)

- IND 1001____(4) (C) Technical Drafting
- TEC 2708____(3) Construction Technology and Building Codes
- TEC 2718____(3) Building Mechanical Systems
- TEC 2738____(3) Commercial Construction Technology
- TEC 3039____(3) Materials

Advanced Coursework (22 sh)

- TEC 3718____(3) (C/ND) Construction Estimating
- TEC 3728____(3) Residential Architecture
- TEC 3738____(3) Statics and Strengths of Structures
- TEC 4103____(3) Leadership in Technical Settings
- TEC 4667____(1) Housing & Home Furnishings Seminar
- TEC 4708____(3) (CD/ND/W) Building Science
- TEC 4718____(3) (C/ND) Construction Management
- TEC 4728____(3) (C) Commercial Building Design (was 4721)

Major Electives (18 sh)

Choose one or both (3-7 sh)

- TEC 2004____(3) Introduction to Metals
- TEC 2005____(4) Wood Technology

AND

Choose 11-15 sh from Electives:

- IND 2201____(3) Design Drawing I
- IND 3801____(3) (C) CADD I: 3D & Solid Modeling
- TEC 3025____(4) Advanced Wood Technology
- TEC 3807____(1) Safety
- TEC 4608____(3) Photovoltaic System Design & Construction
- TEC 4618____(3) Sustainable Building Design & Construction (RECOMMENDED)
- TEC 4628____(3) Solar Thermal Energy Technology (RECOMMENDED)
- TEC 4900____(3-6) (W) Internship (HIGHLY RECOMMENDED)
- *PLN 2410____(3) (CD) Town, City and Regional Planning
- *PLN 3431____(5) (C/ND/S/W) Planning Techniques
- *PLN 3730____(3) Land Use Regulations

**Cannot be used by students pursuing a Community and Regional Planning Minor*

- SNH 1010____(3) Beginning Spanish I (RECOMMENDED)
- SNH 1020____(3) Beginning Spanish II (RECOMMENDED)

OR

- SNH 1030____(6) Accelerated Beginning Spanish (RECOMMENDED)

Note: It is suggested that students taking SNH 1010 and 1020 or SNH 1030 should take SNH 1040 as a Humanity

Interdisciplinary Course (3 sh)

- COM 2101____(3) (S) Public Speaking ("**C**" minimum)

III. MINOR REQUIRED (outside the Technology Department) 12 - 18

*9 sh of a minor must be completed at Appalachian/Business minors require an overall 2.0 GPA
 Recommended Minors are: Community and Regional Planning; General Business, Geography or
 Sustainable Development.*

IV. FREE ELECTIVES 2 - 7

2 sh of free electives outside the major discipline are required

Major Designators	
2 Writing (W)	___ ___
1 Speaking (S)	___
*Com Prof	___
*A "C" minimum in Com 2101 satisfies the 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)	___

NAME _____ MAJOR Building Sciences/Construction Management

_____ 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 1080 (ND, CD) _____ 1090 (ND, CD) or
_____ 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(2)

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)
***Eco 2030**
_____ Economics 1010, 2030
_____ Family and Consumer Sciences 2103 (C) (FCS 2103 or SOC 1110 to fulfill requirements, but not both)
_____ General Honors 1515* (CD, W*, S*, MC*, ND*, C*), 2515* (CD, W*, S*, MC*, ND*, C*), 2520* (CD, W*, S*, MC*, ND*, C*),
3515* (CD, W*, S*, MC*, ND*, C*)
_____ 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 2411 (W, MC, CD), 2421 (MC, CD)
_____ Political Science 1000 (MC), 1100, 1200, 1201 (S), 2120 (MC), 2130, 2240 (MC)
_____ Psychology 1200
_____ Sociology 1000, 1100, 1110, 2700, 2850 (W) (May take FCS 2103 or SOC 1110, but not both)
***Tec 2029**
_____ Technology 2029 (W, MC, CD)

***Tec 2029 Required for Major; Eco 2030 required only if Business Minor is chosen.**

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, 2410 (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 (W) (counts as a separate area; does not fulfill literature)
_____ Foreign Language 2010 (MC)
+ _____ French 1040 (MC), 1050 (MC), 1060 (MC), 3030 (W,MC), 3040 (W,MC)
_____ General Honors 1515 * (CD, W*, S*, MC*, ND*, C*), 2515* (CD, W*, S*, MC*, ND*, C*), 2520* (CD, W*, S*, MC*, ND*, C*),
3515* (CD, W*, S*, MC*, ND*, C*)
+ _____ 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 2410 (W, MC, CD), 2420 (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), 2020
Music majors only: 1611 (W, MC), 2611 (MC, CD), 2612 (W, MC, CD), 3611 (W, MC, CD)
_____ Philosophy 1000 (W), 1040 (W), 1100, 2000 (W), 2013 (W, MC, CD) counts as a HUM FA, 2015 (W, MC, CD),
3013 (W, CD), 3600 (W)
_____ Religion 1020 (MC), 2010 (W, MC), 2013 (W, MC, CD) counts as a HUM FA, 2020 (W, MC), 2025 (W, MC), 2026 (W, MC),
2030 (MC), 2040 (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)

+Foreign Language Placement Exam Required before Enrollment