

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..... 72

An overall 2.0 GPA is required in the major/18 sh must be completed at Appalachian
 (Note: Laptop computers are required for students enrolled in Building Sciences)

Introductory Coursework (18 sh)

- TEC 1728____(3) Architectural Drafting
- TEC 2708____(3) Construction Technology and Building Codes
- TEC 2718____(3) Building Mechanical Systems
- TEC 2738____(3) Commercial Construction Technology
- TEC 2758____(3) Surveying and Foundations
- TEC 3039____(3) Materials Science

Advanced Coursework (30 sh)

- TEC 3718____(3) (C/ND) Construction Estimating
- TEC 3728____(3) Residential Architecture
- TEC 3738____(3) Statics and Strength of Structures
- TEC 4103____(3) Leadership in Technical Settings
- TEC 4708____(3) (CD/ND/W) Building Science
- TEC 4728____(3) (C) Commercial Building Design (was 4721)
- TEC 4758____(3) (C/ND) Planning and Scheduling
- TEC 4768____(3) Construction Administration
- TEC 4900____(6) (W) Internship

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) ___

Major Electives (Choose 15 sh from the following:)

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|---|--|
| <ul style="list-style-type: none"> TEC 2120____(3) Materials and Processes I TEC 3120____(3) Materials and Processes II TEC 3601____(3) (CD) Intro to Energy Iss & Tec 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 Tec TEC 4711____(3) Comp. Model of Renew. Energy IND 2201____(3) Design Drawing I IND 3801____(3) (C) CADD I: 3D & Solid Model. IND 4401____(3) (C) CADD II: Animation and Multimedia Presentation INT 2310____(3) (W) History of Interior Design and Architecture II | <ul style="list-style-type: none"> CIS 3050____(3) (W,C) Fundamentals of Management Information Systems FIN 3010____(3) Survey of Finance MGT 3010____(3) Survey of Management MKT 3050____(3) Principles of Marketing PLN 2410____(3) (CD) Town, City and Regional Planning PLN 3431____(5) (C/ND/S/W) Planning Techniques PLN 3730____(3) Land Use Regulations SNH 1010____(3) Beginning Spanish I (RECOMMENDED) SNH 1020____(3) Beginning Spanish II (RECOMMENDED) <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> SNH 1030____(6) Accelerated Beginning Spanish (RECOMMENDED) |
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Note: It is suggested that students taking SNH 1010 and 1020 or SNH 1030 should take SNH 1040 as Humanity

Interdisciplinary Course (3 sh)

- COM 2101____(3) (S) Public Speaking (**"C" minimum**)
- LAW 2150____(3) Legal Environment of Business
- ACC 2100____(3) Principles of Accounting I

III. MINOR NOT REQUIRED, But the Minor in Business or Planning is Recommended

IV. FREE ELECTIVES..... 6

6 sh of free electives outside the major discipline are required

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 by 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)
*ECO 2030 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), 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