Bachelor of Science (BS)                          Checksheet for Technology Majors
Non-Teaching         577*                                             Building Sciences
Degree Code  577B                        Architectural Technology and Design Concentration

I. GENERAL EDUCATION ................................................................. 44

II. MAJOR REQUIREMENTS .................................................................. 88
An overall 2.0 GPA is required in the major. 18 sh must be completed at Appalachian. A minimum
grade of “C-” is required in all Introductory and Advanced Coursework. Laptop computers are required
for students enrolled in Building Sciences Coursework.

Foundation Coursework (15 sh)
* MAT 1025_______(4) Algebra and Elementary Functions (or higher) (Pre: Pass Math Placement or MAT 0010)
* TEC 2029_______(3) Society & Technology (Gen Ed theme: LtoG: Sustainability and Global Change)
* PHY 1103_______(4) General Physics I (Corequisite: MAT 1025 or equivalent) (Gen Ed: Sci. Inq.)
* PHY 1104_______(4) General Physics II (Prerequisite: PHY 1103 or equivalent) (Gen Ed: Sci. Inq.)

Introductory Coursework (24 sh)
Minimum grade of “C-” in each introductory course
** TEC 1728_______(3) Architectural Drafting (Pre/Corequisite: TEC 2708)
** TEC 2708_______(3) Construction Technology and Building Codes

** Upon completion of TEC 1728 and TEC 2708, students will take the Building Science Competency Exam (A
minimum grade of 70 in each part is required before taking TEC 3000 & 4000 level courses)
TEC 2718_______(3) Building Mechanical Systems
TEC 2738_______(3) Commercial Construction Technology (Pre: MAT 1025. Prerequisites or Corequisites:
TEC 2708, TEC 2758)
TEC 2758_______(3) Surveying and Foundations (Prerequisite: MAT 1025)
TEC 3039_______(3) Materials Science (Prerequisites: PHY 1104 and TEC 2708)
IND 2201_______(3) Design Drawing I
INT 2310_______(3) History of Interior Design & Architecture II (Prerequisite: completion of Freshman Portfolio
Review or permission of Instructor)

Advanced Coursework (35 sh)
Minimum grade of “C-” in each introductory course
INT 3001_______(1) Interior Design Internship Workshop (Prerequisite: INT 3100 or instructor permission)
INT 4320_______(2) Professional Practices in Design (Corequisite: INT 4110 or instructor permission)
TEC 3718_______(3) Construction Estimating (Pre: MAT 1025 or higher, TEC 2708, TEC 2738, Basic knowledge of
word processing, internet and spreadsheets)
TEC 3728_______(3) Residential Architecture (WID) (Prerequisites: TEC 1728, TEC 2708, or instructor
permission)
TEC 3738_______(3) Statics and Strength of Structures (Pre: MAT 1025, PHY 1104, TEC 1728, 2708, 2758, 3039)
TEC 4708_______(3) Building Science (Prerequisite: TEC 2708, MAT 1025 or higher, or instructor permission)
TEC 4728_______(3) Commercial Building Design (Prerequisite: TEC 3728)
TEC 4738_______(4) Senior Architectural Design Studio I (Prerequisites: TEC 4708, TEC 4728)
TEC 4748_______(4) Senior Architectural Design Studio II (Prerequisites: TEC 2738, 3718, 3738, 4738)
TEC 4758_______(3) Planning and Scheduling (Pre: MAT 1025 or higher, TEC 2708, TEC 2718, TEC 2738, 3718)

OR
TEC 4768_______(3) Construction Administration (Prerequisites: MAT 1025 or higher, TEC 2708, TEC 2718, TEC
2738, 3718. Prerequisite or Corequisite: TEC 4758 or instructor permission)
TEC 4900_______(6) Internship (CAP)

Interdisciplinary Courses (14 sh)
COM 2101_______(3) Public Speaking (“C” minimum)
PLN 2410_______(3) Town, City and Regional Planning
PLN 3431_______(5) Planning Techniques
PLN 3730_______(3) Land Use Regulations

III. MINOR Not Required

IV. FREE ELECTIVES ................................................................. 2-5
2 sh of free electives outside the major discipline are required. 137
*Note: MAT 1025, TEC 2029, PHY 1103 and 1104 taken for the major may count toward - up to 15
General Education

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