

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

Checksheet for Technology Majors
 Building Sciences
 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, TEC 3718)

OR

- TEC 4768____(3) Construction Administration (Prerequisites: MAT 1025 or higher, TEC 2708, TEC 2718, TEC 2738, TEC 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 122