### Bachelor of Science (BS)  
**Degree Code**: 577 *  
**Concentration**: 577 B

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#### I. GENERAL EDUCATION  
- (PHY 1103 & 1104 for the major fulfills Science Perspective. MAT 1025 fulfills Quantitative Literacy. TEC 2029 may count toward Gen Ed. if completing a theme).

#### II. MAJOR REQUIREMENTS  
- (An overall 2.0 GPA is required in the major. 18 semester hours must be completed at Appalachian. Laptop computers are required).

**Junior Writing in the Discipline (WID) _____ & Senior Capstone Experience (CAP) _____ must be met.**

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#### Foundation Coursework (15 sh)
- **MAT 1025**: Algebra & Elementary Functions (or higher) (Prerequisite: pass math placement or MAT 0010)  
- **TEC 2029**: Society & Technology (Gen Ed: Local to Global Perspective)  
- **PHY 1103**: General Physics I (Corequisite: MAT 1025 or equivalent) (Gen Ed: Science Perspective)  
- **PHY 1104**: General Physics II (Prerequisite: PHY 1103 or equivalent) (Gen Ed: Science Perspective)

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#### Introductory Coursework (27 sh) Minimum grade of “C” in each course required
- **TEC 1728**: Architectural Graphics & Computer Modeling (Pre/Corequisite: TEC 2708)  
- **TEC 2708**: Construction Technology & Building Codes  
- **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 Advanced Coursework).

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#### Advanced Coursework (35 sh) Minimum grade of “C” in each course required
- **INT 3001**: Architecture and Design Internship Workshop (Prerequisite: completion of Freshman Portfolio Review or permission of the instructor)  
- **INT 4320**: Professional Practices in Design (Co-requisite: INT 4110 or permission of the instructor)  
- **TEC 3718**: Construction Estimating (Prerequisite: MAT 1025)  
- **TEC 3728**: Architectural Design Studio I (Prerequisites: TEC 1728, 2708 or permission of the instructor)  
- **TEC 3738**: Statics & Strength of Structures (Prerequisite: MAT 1025, PHY 1104, TEC 1728, TEC 2708, 3039)  
- **TEC 3748**: Building Science (Prerequisite: TEC 2708, 2718, MAT 1020 or permission of the instructor)  
- **TEC 3758**: Architectural Design Studio II (Prerequisite: TEC 3728)  
- **TEC 4738**: Architectural Design Studio III (Prerequisites: TEC 3748, 3758)  
- **TEC 4748**: Architectural Design Studio IV (Prerequisites: TEC 3038, 3718, 3738, 4738)  
- **TEC 4758**: Planning and Scheduling (Prerequisite: MAT 1025 or higher, TEC 2708, 2718, 3038, 3718)  
- **OR**
- **TEC 4768**: Construction Administration (Prerequisite: MAT 1025 or higher, TEC 2708, 2718, 3038, 3718 Co/Prerequisite TEC 4758)  
- **TEC 4900**: Internship (CAP)

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#### Major Electives (11 sh from the following)
- **IND 2012**: Product Design  
- **IND 2120**: Materials and Processes I  
- **IND 2201**: Design Drawing I  
- **INT 2300**: History of Interior Design & Architecture I (Prerequisite: completion of Portfolio Review or permission of instructor)  
- **PLN 2410**: Town, City and Regional Planning  
- **PLN 3432**: Planning Techniques  
- **PLN 3730**: Land Use Regulations  
- **TEC 3035**: Architectural Field Study  
- **TEC 3036**: Construction Management Field Study  
- **TEC 3037**: Sustainable Building Systems Field Study  
- **TEC 3807**: Construction Safety  
- **TEC 4618**: Sustainable Building Design & Construction (Prerequisite: TEC 2718)  
- **_____**: Other courses in the Dept. of Technology & Environmental Design related to sustainability, planning, business or environmental topics approved by the program coordinator

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#### Major requirements that may count toward Gen Ed:
- **MAT 1025**: Quantitative Literacy (fulfills)  
- **PHY 1103**: Science Perspective  
- **PHY 1104**: Science Perspective  
- **TEC 2029**: Local to Global Perspective

**Total Major Hrs:** 88  
**Gen Ed:** -15  
**Net Major Hrs:** 73

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#### III. MINOR NOT REQUIRED  
- Recommended minor in Community and Regional Planning

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#### IV. FREE ELECTIVES  
- (to total 122 sh for this major)  
- 2 sh of free electives outside the major discipline are required  
- 122