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

I. **GENERAL EDUCATION**  
(PHY 1103 & 1104 for the major fulfills Gen Ed: Science Inquiry. MAT 1025 for the major fulfills Quantitative Literacy. TEC 2029 may count in Gen Ed: ILE).  

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.  

**Foundation Coursework (15 sh)** Minimum grade of “C-” in each course required  
MAT 1025 (4) Algebra & Elementary Functions (or higher) (Prerequisite: pass math placement or MAT 0010)  
TEC 2029 (3) Society & Technology (Gen Ed: ILE: Sustainability & Global Resources; Social Sciences Designation)  
PHY 1103 (4) General Physics I (Corequisite: MAT 1025 or equivalent) (Gen Ed: Science Inquiry)  
PHY 1104 (4) General Physics II (Prerequisite: PHY 1103 or equivalent) (Gen Ed: Science Inquiry)  

**Introductory Coursework (27 sh)** Minimum grade of “C” in each course required  
TEC 1708 (3) Construction Technology & Building Codes  
TEC 1728 (3) Architectural Graphics & Computer Modeling (Pre/Corequisite: TEC 1708)  
TEC 2718 (3) Building Mechanical Systems  
TEC 2758 (3) Surveying, Soils and Foundations (Prerequisite: MAT 1025)  
**TEC 3038** (3) Commercial Construction Technology (WID) (Prerequisite: MAT 1025, TEC 1708 and TEC 2758; RC 2001 or its equivalent)  
TEC 3039 (3) Materials Science  
INT 1001 (3) Visual Literacy I  
INT 1002 (3) Visual Literacy II (Prerequisite: INT 1001)  
INT 2310 (3) History of Interior Design & Architecture II (Prerequisite: completion of Portfolio Review or permission of instructor)  

**Advanced Coursework (35 sh)** Minimum grade of “C” in each course required  
INT 3001 (1) Architecture and Design Internship Workshop (Prerequisite: completion of Freshman Portfolio Review or permission of the instructor)  
INT 4320 (2) Professional Practices in Design (Corequisite: INT 4110 or permission of the instructor)  
TEC 3718 (3) Construction Estimating (Prerequisite: MAT 1025 or higher, TEC 1708, 3038, knowledge of word processing & spreadsheets)  
TEC 3728 (3) Architectural Design Studio I (Prerequisites: TEC 1708, 1728 or permission of the instructor)  
TEC 3738 (3) Statics & Strength of Structures (Prerequisite: MAT 1025, PHY 1104, TEC 1708, 1728, 2758, 3039)  
TEC 3748 (3) Building Science (Prerequisite: TEC 1708, 2718, MAT 1020 or higher, or permission of the instructor)  
TEC 3758 (3) Architectural Design Studio II (Prerequisite: TEC 3728)  
TEC 4728 (4) Architectural Design Studio III (Prerequisites: TEC 3748, 3758)  
TEC 4748 (4) Architectural Design Studio IV (Prerequisites: TEC 3038, 3718, 3738, 4738)  
TEC 4758 (3) Planning and Scheduling (Prerequisite: MAT 1025 or higher, TEC 1708, 2718, 3038, 3718)  
**OR**  
TEC 4768 (3) Construction Administration (Prerequisite: MAT 1025 or higher, TEC 1708, 2718, 3038, 3718)  
TEC 4900 (6) Internship (CAP)  

**Major Electives (11 sh from the following)**  
IND 2012 (3) Product Design  
IND 2120 (3) Materials and Processes I  
IND 2201 (3) Design Drawing I  
INT 2300 (3) History of Interior Design & Architecture I (Prerequisite: completion of Portfolio Review or permission of instructor)  
PLN 2410 (3) Town, City and Regional Planning  
PLN 3432 (4) Planning Techniques  
PLN 3730 (3) Land Use Regulations  
**TEC 3035** (1-3) Architectural Field Study  
TEC 3036 (1-3) Construction Management Field Study  
TEC 3037 (1-3) Sustainable Building Systems Field Study  
TEC 3520 (1-3) Instructional Assistant  
TEC 3807 (1) Construction Safety  
TEC 4618 (3) Sustainable Building Design & Construction (Prerequisite: TEC 1708 and TEC 2718)  

**Other courses in the Dept. of Technology & Environmental Design related to sustainability, planning, business or environmental topics approved by the program coordinator**  

**Major requirements that may count toward Gen Ed:**  
MAT 1025 (4) Quantitative Literacy (fulfills)  
PHY 1103 (4) Science Perspective  
PHY 1104 (4) Science Perspective  
TEC 2029 (3) Integrative Learning Exp  

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

III. **MINOR NOT REQUIRED** – Recommended minor in Community and Regional Planning  

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

2015 - 2016