

**Bachelor of Science (BS)**  
**Degree Code 576\***  
**Concentration Code 576B**  
**Non-Teaching**

**Program of Study for**  
**Technology & Environmental Design Majors**  
**Industrial Design / Furniture Design Concen**

**I. GENERAL EDUCATION** ..... **44**  
 (Math 1030 fulfills the Quantitative Literacy requirement. ART 2130 and IND 2012 for the major and ECO 2030 for the minor may count toward General Education if completing a theme).

**II. MAJOR REQUIREMENTS** ..... **74**  
**A minimum grade of “C” (2.0) is required in each Technology Department course. 18 sh must be completed at Appalachian.**

**\*Note: Students must declare IND major before registering for 3000 level courses. Students must pass a portfolio review in the sophomore year to advance to upper level Product Design courses. Students lacking proficiency in word processing, spreadsheets, internet, and email must take an introductory computer course.**

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

**Introductory Courses (28 sh)**

- ART 2130 \_\_\_\_\_ (3) Art from 1400 to the Present (GEN ED: Fine Arts Designation; Aesthetic Perspective (Theme: “Traditions and Innovations”); Local to Global Perspective (Theme: “Empire Colonialism, and Globalization”))
- IND 1010 \_\_\_\_\_ (3) CADD I: Imaging
- IND 2012 \_\_\_\_\_ (3) Product Design (Gen Ed: Aesthetic Perspective (Theme: “Shaping the Human Environment))
- IND 2201 \_\_\_\_\_ (3) Design Drawing I
- IND 2401 \_\_\_\_\_ (3) History of Furniture Design
- INT 1001 \_\_\_\_\_ (3) Visual Literacy I
- INT 1002 \_\_\_\_\_ (3) Visual Literacy II
- INT 2310 \_\_\_\_\_ (3) History of Interior Design and Architecture II (Prerequisite: Completion of the Freshman Portfolio Review or permission of the instructor)
- MAT 1030 \_\_\_\_\_ (4) Calculus with Business Applications (Gen. Ed: Quantitative Literacy)

**Materials & Processes (9 sh)**

- IND 2120 \_\_\_\_\_ (3) Materials and Processes I
- IND 2311 \_\_\_\_\_ (3) Human Factors in Design
- IND 3120 \_\_\_\_\_ (3) Materials and Processes II (Prerequisites: IND 2120 and IND 2901)

**Furniture Design Courses (37 sh)**

- IND 2411 \_\_\_\_\_ (3) Introduction to Design Studio (Prerequisites: INT 1001, INT 1002, and IND 2201)
- IND 2421 \_\_\_\_\_ (3) Preliminary Design Studio (Prerequisites: INT 1001, INT 1002, and IND 2201)
- IND 2901 \_\_\_\_\_ (3) CADD II: Free Modeling (Prerequisite: IND 1010 or permission of the instructor)
- IND 3100 \_\_\_\_\_ (3) Furniture Styling and Detailing (Prerequisites: GRA 3102, IND 1001, IND 2201, and IND 2401)
- IND 3200 \_\_\_\_\_ (3) Furniture Construction and Upholstery (Prerequisite: IND 3100)
- IND 3701** \_\_\_\_\_ (4) Product Design Studio I (**WID**) (Prerequisites: ENG 2001 or its equivalent, IND 1010, IND 2120, IND 2411 or IND 2421, and declared major in Industrial Design)
- IND 3901 \_\_\_\_\_ (3) CADD III: Parametric Modeling (Prerequisites: IND 1010 and IND 2901 or permission of the instructor)
- IND 4100 \_\_\_\_\_ (4) Furniture Design Studio I (Prerequisites: GRA 3012, IND 2120, IND 2201, IND 3120, IND 3200, and a declared major in Industrial Design)
- IND 4110 \_\_\_\_\_ (4) Furniture Design Studio II (Prerequisite: IND 4100)
- IND 4800 \_\_\_\_\_ (0) Industrial Design Senior Field Study
- IND 4811 \_\_\_\_\_ (3) Professional Practice in Industrial Design
- TEC 4900** \_\_\_\_\_ (4) Internship (**CAP**)

**III. MINOR REQUIRED IN MARKETING**..... **18**  
 9 sh of the minor must be completed at Appalachian State University. (ECO 2030 may count toward General Education if completing a theme)

**IV. FREE ELECTIVES (taken to total 125 for the degree)** ..... **2**  
 2 sh free electives outside the major discipline are required **125**

Major Requirements that may count toward Gen Education:			
Math 1030 (4)	Quantitative Literacy		
ART 2130 (3)	Perspectives ( depends on choices)		
ECO 2030 (3)	Historical & Social Perspective		
IND 2012 (3)	Aesthetic Perspective		
Total Major Hrs:	74	Total Minor Hrs:	18
Gen Ed:	- 10	Gen Ed:	- 3
Net Major Hrs:	64	Total Minor Hrs:	15