

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

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

I. GENERAL EDUCATION **44**
 (Math 1020 fulfills the Quantitative Literacy requirement. Art 2130 and IND 2012 taken for the major may count toward General Education if completing a theme).

II. MAJOR REQUIREMENTS (Not including 4 semester hours already counted in I, above) **89**
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 (22 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
- INT 1001 _____ (3) Visual Literacy I
- INT 1002 _____ (3) Visual Literacy II (Prerequisite: INT 1001)
- MAT 1020 _____ (4) College Algebra (or higher) (Gen. Ed: Quantitative Literacy)

Materials & Processes and History (18 sh)

- IND 2120 _____ (3) Materials and Processes I
- IND 2301 _____ (3) Model Making
- IND 2311 _____ (3) Human Factors in Design
- IND 2401 _____ (3) History of Furniture Design
- IND 3120 _____ (3) Materials and Processes II (Prerequisites: IND 2120 and IND 201)
- INT 2310 _____ (3) History of Interior Design and Architecture II (Prerequisite: Completion of the Freshman Portfolio Review or permission of the instructor)

Product Design Courses (40 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 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 3711 _____ (4) Product Design Studio II (Prerequisite: IND 3701)
- IND 3901 _____ (3) CADD III: Parametric Modeling (Prerequisites: IND 1010 and 2901 or permission of the instructor)
- IND 4557 _____ (3) Design for Manufacture (Prerequisite: IND 3701 or permission of the instructor)
- IND 4701 _____ (5) Product Design Studio III (Prerequisite: IND 3711)
- IND 4711 _____ (5) Product Design Studio IV (Prerequisite: IND 4701)
- IND 4800 _____ (0) Industrial Design Senior Field Study
- IND 4811 _____ (3) Professional Practice in Industrial Design (Co-requisite: IND 4701)
- IND 4900** _____ (4) Internship (**CAP**)

Electives (9 sh) Chosen in consultation with IND advisor (See advisor for list of courses)

Recommended Electives

- IND 2321 _____ (3) Physical Principles for Designers
- IND 3911 _____ (3) Rapid Prototyping (Prerequisite: IND 2901)
- TEC 2116 _____ (3) Ceramic Technology
- TEC 3039 _____ (3) Materials Science

International Studies & Foreign Languages Courses

III. MINOR – NOT REQUIRED

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. Ed.:	
Math 1020 (4)	Quantitative Literacy
ART 2130 (3)	Perspectives (depends on choices)
IND 2012 (3)	Aesthetics Perspective
Total Major Hrs: 89	
Gen Ed:	-10
Net Major Hrs:	79