

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

Program of Study for
Department of Applied Design
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 in Liberal Studies Experience).
- 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 IND 2000 Sophomore Portfolio Review in the sophomore year to advance to upper level Product Design courses.**

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: Liberal Studies Experience; Fine Arts Designation)
- IND 1010 _____ (3) CADD I: Imaging
- IND 2012 _____ (3) Product Design (Gen Ed: Liberal Studies Experience; Fine Arts Designation)
- 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 (19 sh)

- IND 2120 _____ (3) Materials and Processes I
- IND 2222 _____ (1) Laboratory Management (Prerequisite: IND 2120)
- 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 (Prerequisite: IND 2000)
- 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 (39 sh)

- IND 2000 _____ (0) Sophomore Portfolio Review (Prerequisites: IND 1010, IND 2120, IND 2411 or IND 2421, and declared major in Industrial Design)
- 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: IND 2000, RC 2001 or its equivalent)
- IND 3711 _____ (4) Product Design Studio II (Prerequisite: IND 3701)
- IND 3901 _____ (3) CADD III: Parametric Modeling (Prerequisite: IND 2000)
- IND 4557 _____ (3) Design for Manufacture (Prerequisite: IND 2000)
- IND 4701 _____ (5) Product Design Studio III (Prerequisite: IND 3711)
- IND 4711 _____ (5) Product Design Studio IV (Prerequisite: IND 4701)
- IND 4811 _____ (3) Professional Practice in Industrial Design (Co-requisite: IND 4100 or IND 4701)
- IND 4900** _____ (3) 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)
 - IND 2116 _____ (3) Ceramic Technology
 - IND 3530 _____ (1-5) Selected Topics
 - IND 3500 _____ (1-5) Independent Study
- 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)	Liberal Studies Experience; FAD
IND 2012 (3)	Liberal Studies Experience; FAD
Total Major Hrs:	89
Gen Ed:	-10
Net Major Hrs:	79