

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

**Program of Study for**  
**Department of Applied Design**  
**Industrial Design / Product Design**

**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 Applied Design Department course. 18 sh must be completed at Appalachian.**  
**Students must pass IND 2000 Sophomore Portfolio Review, and declare the IND major to advance to upper level courses.**

**Transfer students** need to take a summer course sequence in order to be eligible for sophomore portfolio review in the spring of their first full year (**IND 1010, IND 2201, INT 1001, and INT 1002**).

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

**Introductory Courses (19 sh)**

- 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 (Fall Only; or First Summer Only)
- INT 1002 \_\_\_\_\_ (3) Visual Literacy II (Prerequisite: INT 1001) (Spring Only; or Second Summer Only)
- MAT 1020 \_\_\_\_\_ (4) College Algebra with Applications (or higher) (ND Prerequisite: passing the math placement test or successful completion of MAT 0010) (Gen. Ed: Quantitative Literacy)

**Materials & Processes (10 sh)**

- IND 2120 \_\_\_\_\_ (3) Materials and Processes I
- IND 2222 \_\_\_\_\_ (1) Laboratory Management (Prerequisite: IND 2120)
- IND 2311 \_\_\_\_\_ (3) Human Factors in Design
- IND 3120 \_\_\_\_\_ (3) Materials and Processes II (Prerequisite: IND 2000)

**History (9 sh from)**

- ART 2130 \_\_\_\_\_ (3) Art from 1400 to the Present (Gen Ed: Liberal Studies Experience; Fine Arts Designation)
- IND 2401 \_\_\_\_\_ (3) History of Furniture Design
- IND 2402 \_\_\_\_\_ (3) Survey of Contemporary Design
- 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 (33 sh)**

- IND 2000 \_\_\_\_\_ (0) Sophomore Portfolio Review (Prerequisites: IND 1010, IND 2120, IND 2411 or IND 2421, and declared major in Industrial Design; RC 2001 or its equivalent)
- IND 2411 \_\_\_\_\_ (3) Introduction to 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 4701 \_\_\_\_\_ (5) Product Design Studio III (Prerequisite: IND 3711)
- IND 4711** \_\_\_\_\_ (5) Product Design Studio IV (Prerequisite: IND 4701 (**CAP**))
- IND 4811 \_\_\_\_\_ (3) Professional Practice in Industrial Design (Co-requisite: IND 4100 or IND 4701)
- IND 4900 \_\_\_\_\_ (3) Internship (Prerequisite: Permission of the Instructor)

**Electives (18 sh)** Chosen in consultation with IND advisor (See advisor for list of courses)

Recommended Electives

- IND 2116 \_\_\_\_\_ (3) Ceramic Technology
  - IND 2301 \_\_\_\_\_ (3) Model Making
  - IND 2321 \_\_\_\_\_ (3) Physical Principles for Designers
  - IND 2421 \_\_\_\_\_ (3) Preliminary Design Studio (Prerequisites: INT 1001, INT 1002, and IND 2201)
  - IND 3911 \_\_\_\_\_ (3) Rapid Prototyping (Prerequisite: IND 2901)
  - IND 3500 \_\_\_\_\_ (1-5) Independent Study
  - IND 3530 \_\_\_\_\_ (1-6) Selected Topics
  - IND 4557 \_\_\_\_\_ (3) Design for Manufacture (Prerequisite: IND 2000)
- International Studies & Foreign Languages Courses

|  |                                 |
|--|---------------------------------|
| Major Requirements that may count toward Gen. Ed.: |                                 |
| MAT 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                                  |                                 |

**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 - 128**