

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

**Checksheet for Technology Majors
Industrial Design
Product Design Concentration**

I. GENERAL EDUCATION 44

II. MAJOR REQUIREMENTS 89

A minimum grade of C (2.0) is required in each Technology department course. 18 sh must be completed at Appalachian.

Notes: Students must declare the 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.

Introductory Courses (25 sh)

ART 1011 _____ (3)	Design Fundamentals
ART 1012 _____ (3)	Design Fundamentals II (Prerequisite: ART 1011)
*ART 2130 _____ (3)	Art from 1400 to the Present (Gen Ed themes: Aes.: Traditions & Innovations; LtoG: Empire, Colonialism, & Globalization)
IND 1010 _____ (3)	CADD I: Imaging
IND 2012 _____ (3)	Product Design (Gen Ed theme: Aesthetic Perspective: Shaping the Human Environment)
IND 2201 _____ (3)	Design Drawing I
IND 2411 _____ (3)	Introduction to Design Studio
*MAT 1020 _____ (4)	College Algebra (or higher) (Gen Ed: Quantitative Literacy)

Materials and Processes and History (18 sh)

IND 2120 _____ (3)	Materials & Processes I
IND 3120 _____ (3)	Materials & Processes II (Prerequisites: IND 2120, IND 2901)
IND 2301 _____ (3)	Model Making
IND 2311 _____ (3)	Human Factors in Design
IND 2401 _____ (3)	History of Furniture Design
INT 2310 _____ (3)	History of Interior Design & Architecture II (Prerequisite: completion of Freshman Portfolio Review or permission of instructor)

Product Design Courses (37 sh)

GRA 3102 _____ (3)	Electronic Imaging
IND 2901 _____ (3)	CADD II: Free Modeling (Prerequisite: IND 1010 or instructor permission)
IND 3701 _____ (4)	Product Design Studio I (Prerequisites: GRA 3102, IND 2201, IND 2301, IND 2411, 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 IND 2901 or instructor permission)
IND 4557 _____ (3)	Design for Manufacture (Prerequisite: IND 3701 or instructor permission)
IND 4701 _____ (5)	Product Design Studio III (Prerequisite: IND 3711)
IND 4711 _____ (5)	Product Design Studio IV (Prerequisite: IND 4701)
IND 4811 _____ (1)	Professional Practice in Industrial Design
TEC 4900 _____ (6)	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 and Foreign Language	

III. MINOR - NOT REQUIRED

IV. FREE ELECTIVES (Taken to total 125 for the degree) 2
2 sh of free electives outside the major discipline are required. **135**

***Note: MAT 1020, ART 2130 and IND 2012 taken for the major may count toward General Education. - up to 10**
125