

BS checklist

Bachelor of Science in Industrial Design

ADMISSION REQUIREMENTS

All students interested in Industrial Design (ID) are first admitted into SADAH through its regular portfolio review process. Admission to the major in INDU will be selective & competitive for a limited number of reserved seats in upper-division (300-400 level) INDU courses. Declaration of ID as a major & completion of lower-division (100-200) prerequisite art courses does not guarantee admission into the program. Admission to upper-division INDU studio courses is based on completion of all prerequisite courses & merit as determined by a faculty review of portfolios submitted in satisfaction of the course INDU 208: Portfolio Review.

INDU 208 - Portfolio Review, is a 0 credit, pass/fail course that functions as a prerequisite to enrollment in all upper-level industrial design courses. Students should enroll in INDU 208 during the semester following completion of GRPH 202, INDU 200, INDU 202, INDU 220, & INDU 380 (or concurrently with INDU 220 & INDU 380). Students not accepted will have one opportunity to reapply or may choose to continue in another major within the SADAH.

DEGREE REQUIREMENTS

General Education Courses ¹	41
Quantitative Requirement ² (in addition to General Education courses)	3
Scientific Literacy Requirement (in addition to General Education courses)	3
Major requirements (listed on back)	78
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Total Credit Hours:	125 ³

1- The General Education program contains a set of requirements each student must fulfill. The number of credit hours necessary to fulfill these requirements may vary.

2- Quantitative requirements may be double-counted with elective coursework in the major. Check with your adviser.

3- Students can double count up to 2 courses, thus reducing the total credit hours to 119. Those students will need to enroll in 1 additional credit hour to reach the university minimum requirement of 120 credit hours.

INDUSTRIAL DESIGN MAJOR REQUIREMENTS:

The industrial design major requires 78 credit hours in design, art, art history and art-related courses. Of these hours, 42 credits must be in INDU courses.

FOUNDATION COURSES:

(9 credits)

- FDS 102. Color and Composition (3)
- FDS 104. Observational Drawing (3)
- FDS 106. Form and Space (3)

ART & DESIGN ELECTIVES:

(6 credits)

- _____
- _____

Recommended Courses: Ceramics: ART 220, 222; Fibers: ART 230; Metals & Jewelry: ART 240; Photography: ART 260; Printmaking: ART 270, 272, 274; Sculpture: ART 280; Figure Drawing: ART 350; GRPH 206: Intro. to Typography; Architectural Design: ARCD 392; Industrial Design: INDU 390, 392, 492, 490

CONCENTRATION COURSES (REQUIRED)

(21 credits)

- INDU 200. Introduction to Design (6)
- INDU 202. Industrial Design Studio (6)
- INDU 208. Portfolio Review (0)
- INDU 220. CAD 3D Modeling (3)
- INDU 380. Materials & Processes (3)
- GRPH 101. Digital Media Design I (3)

ADVANCED STUDIOS

(24 credits)

Courses may be repeated with instructor permission.

Students also have the option of enrolling by permission via an application process in a "swing-studio" experience, which may be one 6-credit hour studio in ARCD or the equivalent 6-credit concentration in another SADAH studio discipline approved in advance by the INDU program coordinator. Art & design elective courses completed for the INDU major may not be double-counted as the swing-studio experience taken for the INDU major.

- INDU 300. Product Design (6)
- INDU 302. Transportation (6)
- INDU 400. Systems & Services (6)
- INDU 402. Social Innovation & Social Entrepreneurship (6)
- INDU 404. Advanced Special Topics Studio (6)
- INDU 406. Senior Thesis Studio (Proposal & Instructor Permission Required) (6)
- INDU 408. Swing-Studio Option (Proposal & Instructors' Permission Required) (6)

ART & DESIGN HISTORY (300 LEVEL)

(9 credits)

- ARTH 303. History of Design (required) (3)
- ARTH 205. Survey of World Art I: Prehistoric to Renaissance (3)
- ARTH 206. Survey of World Art II: Renaissance to Modern (3)

INTERDISCIPLINARY ELECTIVES:

(9 credits, 3 from each of the following categories)

Society & Culture¹

(3 credits)

- ANTH 195. Intro to Cultural Anthropology (3)
- ANTH 205. Buried Cities, Lost Tribes: The Rise & Fall of Early Human Societies (3)
- ANTH 323. Visual Anthropology (3)
- SOCI 311. Sociology of Environment (3)
- SOCI 315. Science, Technology & Society (3)
- SOCI 337. Sociology of Gender (3)

Engineering & Technology^{2,3}

(3 credits)

- ENGR 231. Engineering Design I (2)
- ENGR 232. Engineering Design II (2)
- ENGR 280. Projects in Engineering (1-4)
- ENGR 498. Innovation (3)
- ENGR 498. Realization (3)
- ENGR 498. Human Centered Design (3)
- ENGR 498. Innovation Exchange (3)
- ENGR 498. Systems Design & Placemaking (3)
- ENGR 480. Projects in Engineering (1-4)
- ISAT 211. Modern Production Issues in Science & Technology (3)
- ISAT 330. Manufacturing Systems: Technology & Techniques (3)

Business, Marketing & Entrepreneurship

(3 credits)

- COB 318. Legal and Ethical Environment of Business (3)
- MKTG 380. Principles of Marketing (3)
- MGT 305. Organizational Behavior and Human Resource Management (3)
- MGT 310 Business Fundamentals for Entrepreneurs (3)
- MGT 472. New Venture Creation (3)

This document is provided as an advising resource only. Official curriculum requirements are listed in the JMU Undergraduate Catalog. In the case of discrepancies, the University Catalog is the official curriculum students must follow. This document was reviewed by Kevin Phaup, June 2024.

Student Name _____

ID #: _____

Advisor Signature: _____

Date: _____

1- May fulfill the B.S. Natural/Social Science requirement

2- Students selecting ENGR electives must have approval from the course instructor and the INDU Advisor.

3- ENGR 498 electives must have the exact title as listed on the checklist