All INDU courses are restricted to declared art, art history, graphic design, and architectural design majors during the fall and spring semesters. During May and summer sessions, INDU courses are open to all students who meet the additional stated course prerequisites. Non-majors wishing to enroll in an INDU course during the fall and spring semesters may request permission of the instructor.

**INDU 200. Introduction to Design. 6 credits.**
This studio focuses on the design process through the creation of objects and interior spaces. Projects involve investigations into syntax and design language, program interpretation, materiality, ritual, use and the constructed order of built space. Emphasis is placed on experimentation, risk and play. Design projects will incorporate constructed drawings, sketching, diagramming, model-building and writing.

**INDU 202. Industrial Design Studio. 6 credits.**
Industrial design studio builds on the fundamentals of INDU 200. Projects will address design thinking, research methods, user analysis, project definition and iterative process. Further exploration of design sketching and drawing techniques, prototyping, collaboration, concept development, research methods, and aesthetics.

**INDU 208. Portfolio Review. 0 credits.**
Portfolio review required to enroll in industrial design courses at upper division standing. May be repeated once for pass/fail standing. Prerequisite: INDU 200. Prerequisite or corequisite: INDU 202.

**INDU/ARCD 220. CAD: 3D Modeling. 3 credits.**
This course will introduce students to principles used in 3D Cad and BIM modeling. Technologies to draw three dimensionally on the computer will be considered as a discipline within itself, and students will be instructed to use the machine for design exploration. Various software packages will be utilized during the semester.

**INDU 300. Product Design. 6 credits.**
This course expands on foundations from INDU 200 and INDU 202 and emphasizes a research driven design process as it applies to the design of objects, including commercial products, packaging design, furniture and more. Students will use quantitative and qualitative research methods and analyze market segments and/or users.

**INDU 302. Transportation Studio. 6 credits.**
Transportation studio emphasizes product and system design, stakeholder engagement, prototyping, and professional presentation as they relate to transportation design. Projects range from the micro to the macro scale (e.g. personal transportation to city and regional planning). The course stresses ergonomics and human factors, prototyping and research methods.

**INDU 380. Materials and Processes. 3 credits.**
Combination studio and lecture course introducing students to historic, contemporary and emerging materials and manufacturing processes used in the creation of mass manufactured goods.

Independent activity at the intermediate level, such as research or studio practice, under faculty supervision. Projected studies in any area of the school's offering must be arranged with the instructors who will direct them. Offered only with the consent of the instructor.

**INDU 392. Topics in Industrial Design.** 3 credits.
Study of selected topics in art, art history, graphic design, interior design, or industrial design at the intermediate level. May be repeated when course content changes. See MyMadison for current topics.

**INDU 400. Systems and Services Studio.** 6 credits.
This studio course uses a systems based approach to problem solving. Students will design and test concepts and solutions that focus on interaction and experience. The course emphasizes problem framing, system and service prototyping, graphic design and illustration, user interaction/user experience and end-user engagement.

**INDU 402. Social Innovation and Social Entrepreneurship.** 6 credits.
This advanced studio addresses "wicked problems" ranging from sanitation and poverty to environmental degradation and access to basic human services. Emphasis is placed on targeting specific areas of need and developing products, systems and services that are ecologically, economically, and socially sustainable. The course emphasizes quantitative and qualitative research methods, co-design/participatory design, business planning and direct interaction with diverse stakeholders and humanitarian organizations.

**INDU 406. INDU Senior Thesis Studio.** 6 credits.
Industrial design students with senior standing may submit semester long project proposals for this intensive advanced studio. Prerequisite: Permission of the instructor.

**INDU 490. Independent Studies Industrial Design.** 1-3 credits, repeatable. Offering varies.
Independent activity, such as research or studio practice, under faculty supervision. Projected studies in any area of the school's offering must be arranged with the instructors who will direct them. Offered only with consent of the instructor.

**INDU 491. Studio Assistant.** 1-3 credits, repeatable. Offering varies.
An on-campus program monitored on an individual basis designed to provide practical studio experience in the visual arts. Students will learn safe studio practices and management skills, including material use, inventory control and the proper operation of equipment found within various individual classroom studios. Prerequisite: Permission of the instructor.

**INDU 492. Topics in Industrial Design.** 3 credits. Offering varies.
Study of selected topics in industrial design at the advanced level. May be repeated when course content changes. See MyMadison for current topics.

**INDU 496. Internship in Industrial Design.** 1-8 credits.
An off-campus program prepared and monitored on an individual basis. Internships are designed to provide practical experience in the arts. Prerequisite: Permission of the instructor.