

# DESIGN (DSGN)

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## DSGN 10 College of Architecture Smart Start

**Prerequisites:** Admission to the College of Architecture

**Description:** Orientation course based on strategies and skills to encourage and support academic success.

**Credit Hours:** 0

**Max credits per semester:**

**Max credits per degree:**

**Grading Option:** Pass No Pass

**Offered:** FALL/SPR

## DSGN 101 Introduction to Design

**Prerequisites:** Admission to the College of Architecture

**Description:** Introduction to architecture, industrial design, interior design, landscape architecture and related design fields; the forces that shape these fields and the processes of production they rely upon.

**Credit Hours:** 2

**Max credits per semester:** 2

**Max credits per degree:** 2

**Grading Option:** Graded

## DSGN 110 Design Thinking

**Prerequisites:** Admission to the College of Architecture

**Description:** Introduction to an approach to problems employing a user-focused, iterative, team-based process. Through experiential labs, lectures, workshops, and class discussions students practice design thinking to promote innovation in a wide variety of disciplines.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**Offered:** FALL/SPR

**Prerequisite for:** ARCH 262; DSGN 111

**ACE:** ACE 7 Arts

**Experiential Learning:** Case/Project-Based Learning

## DSGN 111 Design Making

**Prerequisites:** DSGN 110

**Description:** Builds upon the skills acquired in Design Thinking by focusing on formal and spatial constructs. Integrates craft and compositional principles into the design process. Introduces multiple techniques for communicating ideas through physical and digital modeling, orthographic projection, freehand drawing, and other forms of graphic representation.

**Credit Hours:** 4

**Max credits per semester:** 4

**Max credits per degree:** 4

**Grading Option:** Graded

## DSGN 120 Design Drawing

**Prerequisites:** Acceptance into the College of Architecture

**Description:** Introduction to the fundamental practice and exploration of observational, projective and speculative drawing for design through a variety of media and drawing techniques.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

## DSGN 123 Computer Applications in Design

**Prerequisites:** Admission to the College of Architecture

**Description:** Application of computer technology to the design disciplines. Enabling the effective use of computer technology to produce measured drawings and digital models to aid the investigation, visualization, and communication of design.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**Prerequisite for:** ARCH 327

## DSGN 140 History of Design

**Prerequisites:** Admission to the College of Architecture

**Description:** Thematic exploration of the history and theory of design as it relates to political, economic, and societal shifts.

**Credit Hours:** 3

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

**ACE:** ACE 5 Humanities

## DSGN 192 Selected Topics in Design

**Description:** Group investigation of a topic in design.

**Credit Hours:** 1-3

**Min credits per semester:** 1

**Max credits per semester:** 3

**Max credits per degree:** 3

**Grading Option:** Graded

## DSGN 410 Design Studio: Collaborate

**Prerequisites:** ARCH 311; or IDES 311; or LARC 311

**Description:** Collaborative design research approach to complex problems. Various studios utilize multidisciplinary, interdisciplinary, or trans-disciplinary teams to explore issues across range of project types.

**Credit Hours:** 5

**Max credits per semester:** 5

**Max credits per degree:** 5

**Grading Option:** Graded

**Offered:** FALL

**Prerequisite for:** ARCH 411, ARCH 411H

**Experiential Learning:** Case/Project-Based Learning

## DSGN 421 CNC Router

**Crosslisted with:** DSGN 521

**Description:** Learn basic operations, software, and procedures to safely and effectively use the CoA Precix CNC router to produce precise objects and services using various materials.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Pass No Pass

**Offered:** FALL/SPR

**Prerequisite for:** ARCH 417, ARCH 617, ARCH 817, IDES 417, IDES 817, LARC 417

**DSGN 422 Metals**

**Crosslisted with:** DSGN 522

**Description:** Introduction to the ARCH Metals Shop, equipment, and techniques for processing various metals.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Pass No Pass

**Offered:** FALL/SPR

**Prerequisite for:** ARCH 417, ARCH 617, ARCH 817, IDES 417, IDES 817, LARC 417

**DSGN 423 Plastics**

**Crosslisted with:** DSGN 523

**Description:** Introduction to common processes, procedures, and knowledge of a range of plastics used in design industries.

**Credit Hours:** 1

**Max credits per semester:** 1

**Max credits per degree:** 1

**Grading Option:** Pass No Pass

**Offered:** FALL/SPR

**Prerequisite for:** ARCH 417, ARCH 617, ARCH 817, IDES 417, IDES 817, LARC 417

**DSGN 492 Selected Topics in Design**

**Crosslisted with:** DSGN 592, DSGN 892

**Description:** Group investigation of a topic in design.

**Credit Hours:** 1-6

**Min credits per semester:** 1

**Max credits per semester:** 6

**Max credits per degree:** 6

**Grading Option:** Graded