

INDUSTRIAL DESIGN-45300

BID IN INDUSTRIAL DESIGN / 131 S.H

EFFECTIVE DATE: FALL 2014

START TERM:

NAME:

TRANSFER INSTITUTIONS (X)

CREDITS:

STUDENT ID:

In Progress:

GENERAL EDUCATION (total credits)	35 S.H.	ACADEMIC MAJOR*** (total credits)	78 S.H.
FOUNDATION REQUIREMENTS	13 S.H.	REQUIRED FOUNDATION COURSES	15 S.H.
GE 1000 Transition to Kean (Required of all Freshman & Transfer students with fewer than 10 credits (1 S.H.)		DSN 1100 Introduction to Design and Visual Culture	
ENG 1030 College Composition (Requires a C or better)		DSN 1101 Visual Form I	
MATH 1000, 1010 or 1016		DSN 1102 Visual Form II	
COMM 1402 Speech Communication		DSN 1103 Visualizing Techniques I	
GE 2025 Research & Technology		DSN 1104 Visualizing Techniques II	
DISCIPLINARY & INTERDISCIPLINARY		REQUIRED MAJOR COURSES	63 S.H.
Distribution Requirements:		GD 1000 Computers In Graphic Design	
HUMANITIES:	6 S.H.	IND 1300 Drafting and CAD in Industrial Design	
*ENG 2403 World Literature		IND 2330 CAD and 3D Modeling	
Select one from the following:		FA 2277 Sculpture: Modeling & Casting	
ID 3230 Understanding Images		IND 3330 Advanced CAD Systems	
		FA 2288 Furniture Making I	
		IND 1310 History of Industrial Design	
		IND 2350 Production Methods I	
		DSN 4006 Special Topics: Production Methods II	
		IND 1308 Introduction to Industrial Design	
SOCIAL SCIENCES:	6 S.H.	IND 2300 Industrial Design Fundamentals	
*HIST 1062 Worlds of History		IND 2301 Model Design	
Select one from the following:		IND 2302 Design Delineation	
PSYCHOLOGY 1000		IND 2308 Industrial Design Studio I	
ECONOMICS or GEOGRAPHY		IND 3308 Industrial Design Studio II	
POLITICAL SCIENCE		IND 4308 Industrial Design Studio III	
SOCIOLOGY or ANTHROPOLOGY		DSN 4007 Special Topics >	
INTERDISCIPLINARY		IND 4310 Portfolio for Industrial Design	
SCIENCE AND MATHEMATICS:	7 S.H.	THREE MAJOR, UPPER DIVISION COURSES	9 S.H.
CPS 1032 or CPS 1231		<i>Selected with faculty guidance - see advisement guide</i>	
LAB SCIENCE (4 S.H.)		01.	
Biology; Chemistry; Physics; Geology;		02.	
Meteorology; Earth Science; Astronomy; Interdisciplinary		03.	
G.E. AND MAJOR CAPSTONE:	3 S.H.	FREE ELECTIVES selected with advisement	6 S.H.
*DSN 4000 Critical Perspectives in Design***		<i>At least 50% must be 3000/4000 level</i>	
		01.	
		02.	
ADDITIONAL REQUIRED COURSES:	12 S.H.	TOTAL CREDITS: _____	
AH 1700 Art History, Prehistoric - Medieval		ADVISOR: _____	
AH 1701 Art History, Renaissance - Modern		ADVISOR SIGNATURE: _____	
AH 3740 Art History, Modern Art		*G.E. required course	
DSN 3001 Design Internship >		***All Major courses require a grade of C or better and 3.0 GPA minimum	
		+ Can test out and substitute GD elective courses	
		> Requires permission through petition	
		Semester Hours - S.H.	

COURSES

Design Foundation: Four studio courses include visualizing techniques and visual form & composition; one lecture course, Design & Visual Culture, a survey of the design professions; four Art History courses.

Industrial Design

Design Foundation Courses

DSN 1100 Introduction to Design and Visual Culture

DSN 1101 Visual Form I

DSN 1102 Visual Form II
Prerequisites: DSN 1101

DSN 1103 Visualizing Techniques I

DSN 1104 Visualizing Techniques II
Prerequisites: DSN 1103

Additional Required Courses

AH 1700 Art History, Prehistoric – Medieval

AH 1701 Art History, Renaissance – Modern

AH 3740 Art History, Modern Art

DSN 3001 Design Internship

Major Courses

GD 1000 Computers in Graphic Design I
Prerequisites: DSN 1101 or by permission of instructor

IND 1300 Drafting & CAD in Industrial Design

IND 1308 Introduction to Industrial Design

IND 1310 History of Industrial Design

FA 2288 Furniture Making I

FA 2277 Sculpture: Modeling & Casting

IND 2300 Industrial Design Fundamentals

IND 2301 Model Design
Prerequisites: IND 2300 or permission of instructor

IND 2302 Design Delineation
Prerequisites: IND 2300, DSN 1001 or permission of instructor

IND 2308 Industrial Design Studio I
Prerequisites: IND 2301

IND 2330 CAD & 3-D Modeling
Prerequisites: IND 1300 or equivalent

IND 2350 Production Methods I
Prerequisites: IND 1300 or equivalent

IND 3308 Industrial Design Studio II
Prerequisites: IND 2308

IND 3330 Advanced CAD Systems
Prerequisites: TECH 3220 or permission of instructor

DSN 4006 Special Topics: Productions Methods II

DSN 4007 Special Topics in Design

IND 4308 Industrial Design Studio III
Prerequisites: IND 3308

IND 4310 Portfolio: Industrial Design
Prerequisites: IND 4308 or permission of instructor

DSN 4000 Critical Perspectives in Design (Capstone)
Prerequisite: Six credits of Art and/or Design History

Additional Major Information and Requirements

General Education Information and Requirements

Testing and Placement

Incoming freshmen and transfer students may be placed in specific GE Foundations, Developmental or ESL courses as a result of testing prior to registration. Students may also be exempt from testing due to SAT scores prior to college work.

Prerequisites and Equivalencies for GE Foundation Courses

GE 1000

Required for all freshman and transfers with fewer than 10 credits.

Prerequisites: None

Equivalents: ID 1001

ENG 1030

Prerequisites: Placement testing

Equivalents: ENG 1031/1032, ENG 1033/1034, ENG 1430, ENG 1020, ENG 1400

MATH 1000 or 1010 or 1016 or 1030

Prerequisites: MATH 1901 if required by placement testing.

Equivalents: MATH 1001/1002, MATH 1003/1004, MATH 1051

MATH 1044 or MATH 1054

Prerequisites: MATH 1000 if required by placement testing.

COMM 1402

Prerequisites: CS 0412, ENG 1031/1032 or ENG 1033/1034 if required by placement testing.

May be taken concurrently with ENG 1030.

Equivalents: COMM 1400

GE 2021 - 2026 Research and Technology

is offered as a college-based course.

GE 2021 College of BPA

GE 2022 College of EDU

GE 2023 College of HSS

GE 2024 College of NAHS

GE 2025 College of VPA

GE 2026 Undecided Majors

Prerequisites: CS 0421 if required by placement testing.

ENG 1030 or equivalent COMM 1402

Equivalents: GE 2020

GE Distribution Courses

All courses taken under the General Education Disciplinary/ Interdisciplinary Distribution requirements must be selected from the approved General Education Distribution Course List, printed in Registration Bulletin. These courses are designated as GEHU, GESS, GESM, or GEHPE.

GEHU Humanities

GESS Social Sciences

GESM Science and Mathematics

GEHPE Health and Physical Education

Required GE Distribution Courses

ENG 2403 is a required Humanities Distribution course with an emphasis on diversity. Prerequisites: CS 0412 if required by placement testing; ENG 1030 or equivalent.

Either HIST 1000 or 1062 is a required Social Sciences Distribution Course with an emphasis on diversity. Prerequisites: CS 0412 if required by placement testing; May be taken concurrently with ENG 1030.

Foreign Language Credit

The three credits for a foreign language that may satisfy the GE Disciplinary/Interdisciplinary Distribution Requirement are awarded only upon successful completion of two semesters of study at the introductory or intermediate level. Credit for the first semester may be used as elective credit.

Major/GE Capstone Course

A Capstone course is a major course that satisfies three credits of GE requirement. Each major guide sheet will count three credits for the capstone as either GE credits or major credits, but not both.

University Requirements

All students are required to complete one "Writing-Emphasis" course. The "W-E" course must be within the major portion of your program. Consult your major program advisor for specific information.

Design Major Requirements

Faculty advisors will not approve a student's course schedule unless all prerequisites for courses have been completed with a grade C or better.

Any student seeking an exception to this sequence must obtain authorization from the Executive Director or Program Coordinator prior to registration. Exceptions are granted for legitimate educational reasons only.

ALL BFA and BID majors *must maintain a 3.0 average in major courses* to be eligible for the degree. It's the students responsibility to be aware of their academic success.

BID in Industrial Design

* 4 YEAR SEQUENCE

Year 01	FALL	IND 1308 Intro to Industrial Design	DSN 1101 Visual Form I	DSN 1103 Visualizing Techniques I	MATH Choices 1000, 1010 or 1016 (GE Foundation)	ENG 1030 College Composition (GE Foundation)	GE 1000 (1) Transition to KEAN (GE Foundation) OR GE 3000 (transfers) (1)
	SPRING	IND 2300 Industrial Design Fundamentals	DSN 1102 Visual Form II <i>DSN 1101</i>	DSN 1104 Visualizing Techniques II <i>DSN 1103</i>	DSN 1100 Intro to Design & Visual Culture	AH 1700 Art History I Prehistoric to Middle Ages	COMM 1402 Speech Communication (GE Foundation)
Summer courses highly recommended							
Year 02	FALL	IND 2350 Production Methods I <i>IND 1300</i>	IND 1300 Drafting and CAD in Industrial Design	IND 2301 Model Design I <i>IND 2300</i>	IND 2302 Design Delineation <i>IND 1104</i>	AH 1701 Art History II Renaissance to Modern	GE 2025* Research & Technology CVPA Section (GE Foundation)
	SPRING	DSN 4006 Special Topics: Production Methods II <i>IND 2350</i>	IND 2330 CAD & 3D Modeling <i>IND 1300</i>	IND 2308 Industrial Design Studio I <i>IND 2301</i>	ENG 2403* World Literature	AH 3740 Art History Modern Art <i>AH 1700 or 1701</i>	HIST 1062* Worlds of History (GE requirement)
Summer courses highly recommended							
Year 03	FALL		IND 3330 Advanced CAD Systems <i>IND 2330</i>	IND 3308 Industrial Design Studio II <i>IND 2308</i>	Free Elective	CPS 1231 Computer Applications	ID 3230 Understanding Images (Humanities requirement)
	SPRING	GD 1000 Computers in Graphic Design	IND 1310 History of Industrial Design	IND 4308 Industrial Design Studio III <i>IND 3308</i>	Major Course		LAB SCIENCE (GE requirement)
Internship highly recommended							
Year 04	FALL	FA 2277 Sculpture Modeling & Casting <i>DSN 1104</i>	FA 2288 Furniture Making <i>DSN 1104</i>	DSN 4007 Special Topics	Major Course	Free Elective	SOCIAL SCIENCE (GE requirement)
	SPRING	DSN 4000 Critical Perspectives	DSN 3001 Design Internship	IND 4310 Portfolio for Industrial Design <i>IND 4308</i>	Major Course		

*Courses marked with an asterisk are suggested for summer school to facilitate graduation within the four year sequence outlined here.

Numbers in italics under the course are prerequisite requirements for that course.