

WORKSHEET: MINOR IN HUMAN-CENTERED DESIGN: Dartmouth College, Engineering Sciences

LAST NAME _____ FIRST NAME _____

MAJOR/OTHER MINOR _____ CLASS _____

ORC: The minor in human-centered design in Engineering Sciences is an interdisciplinary program comprising six courses, two from each section below (1, 2, 3):

BELOW CHECK COURSES SELECTED WITH TERM TAKEN OR PLANNED

PREREQUISITES:

TERM TAKEN OR PLANNED

MATH 3	Calculus	
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SECTION 1: DESIGN FOUNDATION:

ENGS 12	Design Thinking	
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ENGS 21	Introduction to Engineering	
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SECTION 2: Ethnographic Methods and Human Factors/Psychology*:

ANTH 3	Introduction to Cultural Anthropology	
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ANTH 18	Research Methods in Cultural Anthropology	
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ENGS 15.07	Research Methods for Human-Centered Design	
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GEOG 11	Qualitative Methods and the Research Process in Geography	
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SOCY 11	Research Methods	
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PSYC 22	Learning	
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PSYC 23	Social Psychology	
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PSYC 28	Cognitive Psychology	
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PSYC 38	Cognitive Neuroscience	
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PSYC 43	Emotion	
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PSYC 50.02	Decision Making	
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PSYC 53.10	Social and Affective Motivations in Decision-Making	
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PSYC 53.12	The Behavior of Groups	
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PSYC 53.13	Social Neuroscience	
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SECTION 3: Design Electives:

ENGS 15.01	Senior Design Challenge I	
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ENGS 15.02	Senior Design Challenge II	
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ENGS 15.09	Design Ethics	
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ENGS 15.10	Narrative Design for Innovators	
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ENGS 15.11	Design & Education	
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ENGS 15.12	Design & Entrepreneurship	
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ENGS 18	System Dynamics in Policy Design and Analysis	
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ENGS 19.01	Future of Energy Systems	
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ENGS 44	Sustainable Design	
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ENGS 75	Product Design	
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COSC 23.01	Augmented and Virtual Reality Design	
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COSC 25.01	Intro to UI/UX Design I	
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COSC 25.02	Intro to UI/UX Design II	
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COSC 28	Advanced Projects in Digital Arts	
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FILM 51	Game Design Studio	
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PBPL 43	Social Entrepreneurship/ ECON 77 Social Entrepreneurship	
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SART 65	Architecture I	
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SART 66	Architecture II	
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Notes: It is recommended to take ENGS 12 first. When possible, it is recommended to complete both courses in Section 1 plus at least one course from Section 2 before taking courses in Section 3. Except for Math 3, no courses in the HCD minor may be taken under the Non-Recording Option.

*One of the two courses in Section 2 must be outside of the student's major department.

**Engineering majors: Aside from ENGS 21, only ENGS courses numbered below 20 may be counted towards the minor. Engineering sciences majors will take ENGS 21 as one of their major requirements and it will also count as the prerequisite to the HCD minor.

Your personal goals for pursuing the minor and rationale for courses selected:

Comments: