

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

SECTION 1: DESIGN FOUNDATION:

ENGS 12 Design Thinking

ENGS 21 Introduction to Engineering

SECTION 2: Ethnographic Methods and Human Factors/Psychology*:

ENGS 15.07 Research Methods for Human-Centered Design

ANTH 3 Introduction to Cultural Anthropology

ANTH 18 Research Methods in Cultural Anthropology

GEOG 11 Qualitative Methods and the Research Process in Geography

SOCY 11 Research Methods

PSYC 22 Learning

PSYC 23 Social Psychology

PSYC 28 Cognitive Psychology

PSYC 38 Cognitive Neuroscience

PSYC 43 Emotion

PSYC 50.02 Decision Making

PSYC 53.10 Social and Affective Motivations in Decision-Making

PSYC 53.12 The Behavior of Groups

PSYC 53.13 Social Neuroscience

SECTION 3: Design Electives:

ENGS 15.01 Senior Design Challenge I

ENGS 15.02 Senior Design Challenge II

ENGS 18 System Dynamics in Policy Design and Analysis

ENGS 19.01 Future of Energy Systems

ENGS 44 Sustainable Design

ENGS 75 Product Design

COSC 23.01 Augmented and Virtual Reality Design

COSC 25.01 Intro to UI/UX Design I

COSC 25.02 Intro to UI/UX Design II

COSC 28 Advanced Projects in Digital Arts

COSC 29.04 Impact Design/ PSYC 15 Impact Design

FILM 51 Game Design Studio

PBPL 43 Social Entrepreneurship/ ECON 77 Social Entrepreneurship

SART 65 Architecture I

SART 66 Architecture II

SART 68 Architecture III

Before taking courses in Section 3, it is recommended that students complete both courses in Section 1 plus at least one course from Section 2. No Engineering Sciences courses 20 and above 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.

**For Engineering majors: Only ENGS courses numbered below 20 may be counted towards the minor.

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

Comments: