Data Visualization, Minor

This program introduces students to the principles, practices, and technologies of creating interactive data visualization for exploring and communicating complex issues through data. Students explore principles of human perception, design strategies of data communication, and study technical principles in relation to the social and ethical aspects of working with data.

Minor Requirements

Complete all courses listed below unless otherwise indicated. Students who wish to register for 2000-level courses and above need to plan ahead in order to complete prerequisite course(s) ahead of time.

A student pursuing this minor must complete a minimum of four courses exclusive to this minor beyond the courses required for the student's declared major(s), minor(s), or PlusOne.

Required Courses

Code	Title	Hours
ARTG 2262 and ARTG 2263	Prototyping with Code and Lab for ARTG 2262	4
Complete two of the following:		8
ARTG 2242	Information Design Principles	
ARTG 3444	Topics in Information Design Inquiry	
ARTG 5110	Information Design History	

Electives

Code	Title	Hours
Complete two of the following:		6-8
ARTD 2340	Introduction to Computational Creative Practice	
ARTF 1220	Elements of Visual Composition (with Optional ARTF 1221) [1]	
ARTG 5310	Visual Cognition	
ARTG 5320	Statistics for Design	
ARTG 5330	Visualization Technologies 1: Fundamentals	

[1] Students registered for Elements of Visual Composition (ARTF 1220) should also register for Representational Drawing (ARTF 1200), Abstract Drawing (ARTF 1210), Making with Form and Materials (ARTF 1230), Making with Video, Sound, and Animation (ARTF 1240), or Designing Interactive Experiences (ARTF 1250) in the same term.

GPA Requirement

2.000 GPA required in the minor