LARCH 2780: Potentials of Representation: Analog to Digital
Malmstrom

As designers we constantly struggle with the challenge of expressing our design intent second-hand through various forms of representation such as drawings, renderings, models, etc. A similar struggle exists between the digital and the physical worlds as designers move further into the fabrication realm using equipment such as CNC routers, plasma cutters, and robotic arms for building their ideas.

This seminar will explore the potentials within representation that occur when an idea moves between analog forms and digital forms using various fabrication and rapid prototyping equipment. Moving from analog models to digital information and back, students will critique and exploit the possibilities left within this translation. Student will utilize 1) input devices such as digitizing arms and 3d scanners, 2) prototyping equipment such as laser cutters, 3d printers and vacuum formers, and 3) fabrication equipment like CNC routers and hot wire cutters while understanding the implications of the processes upon the resultant object.

LARCH 3194: Landscape Techniques: Understanding the Landscape through Drawing
Hilbert

This course seeks to provide a personal connection between the students and our built environment and establish a basic understanding of the techniques and importance of graphic communication. It will focus on developing the techniques that will allow each student to begin the connection between conceptual thought and physical form. The class will focus on three drawing techniques to graphically communicate landscape: Plan, Section, and Diagram. The class will also approach the landscape at various scales ranging from the patterns developed at the city scale to the patterns developed through paving.

LARCH 4410: Applications of GIS in Landscape Architecture
Cartwright

Learn how Geographic Information Systems can be used to inform design through analysis and visualization.
LARCH 5630/E: H&T: Urbanism

Bennett

Class surveys historical development of the urban landscape through study of related developments and movements in urban and design theory.