

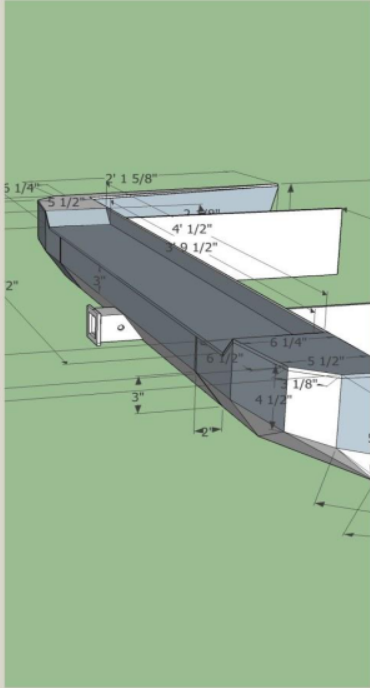
Interdisciplinary Design

The integration of other construction-based disciplines early in an architect's education through hands-on learning will guide the practice to create a more cohesive and efficient design process.

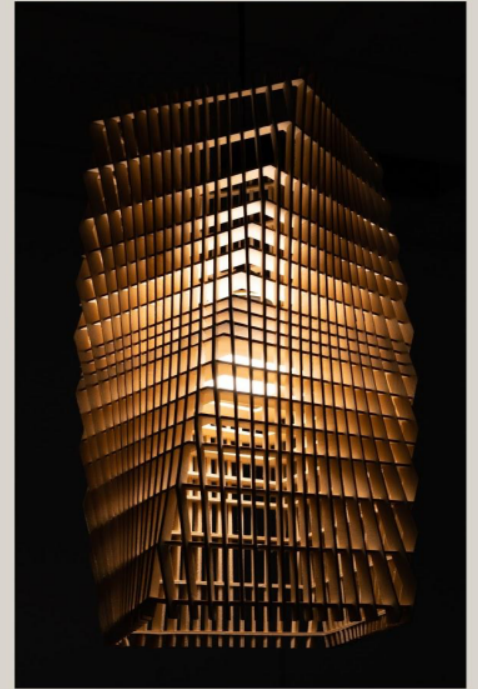
Jake Pirulli

- Why do most firms **stray away** from a **hands-on/research-based** design process?
- Why has architectural **education** been based so heavily in the **theoretical/conceptual** realm of design?
- What caused the **rift** between architects/contractors/consultants?
 - Back and forth of tensions/blaming/who is responsible for what
 - **Misunderstanding**

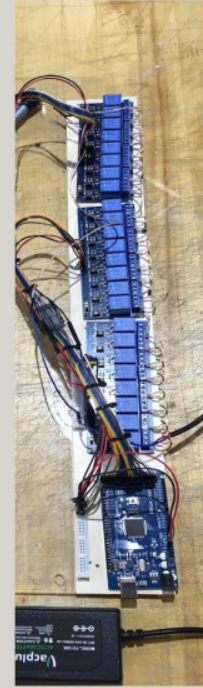
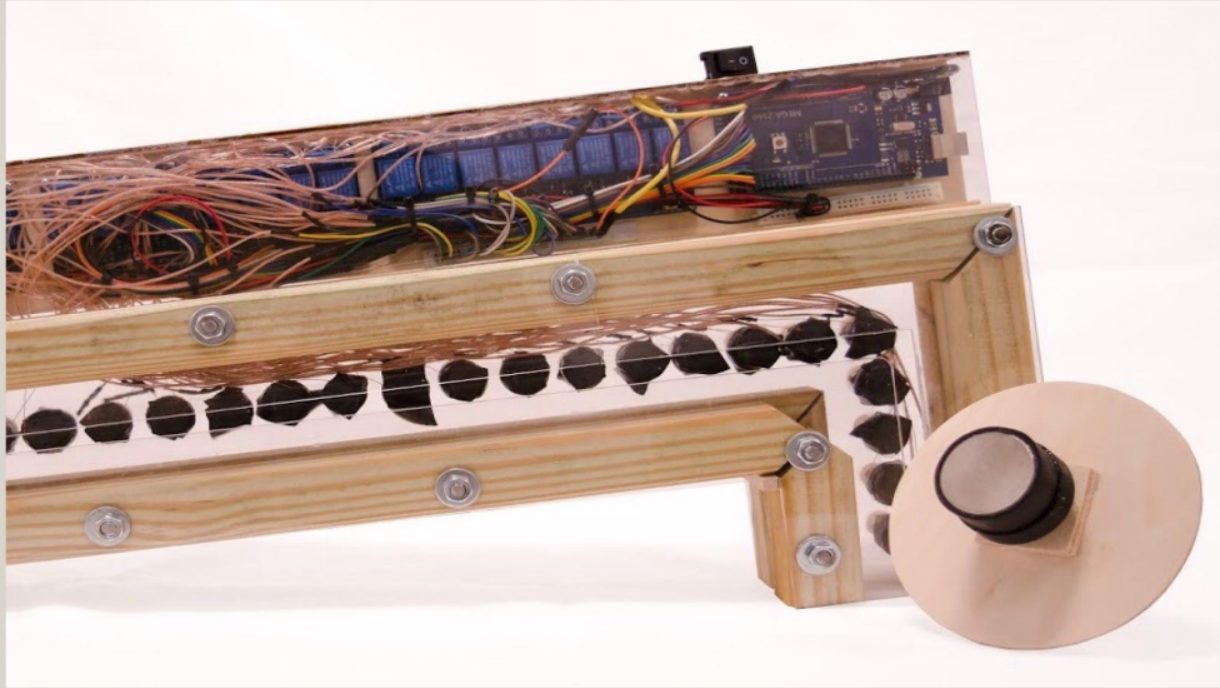
OUTSIDE |



ELECTIVES|



STUDIO|



AUTODESK BUILD SPACE |

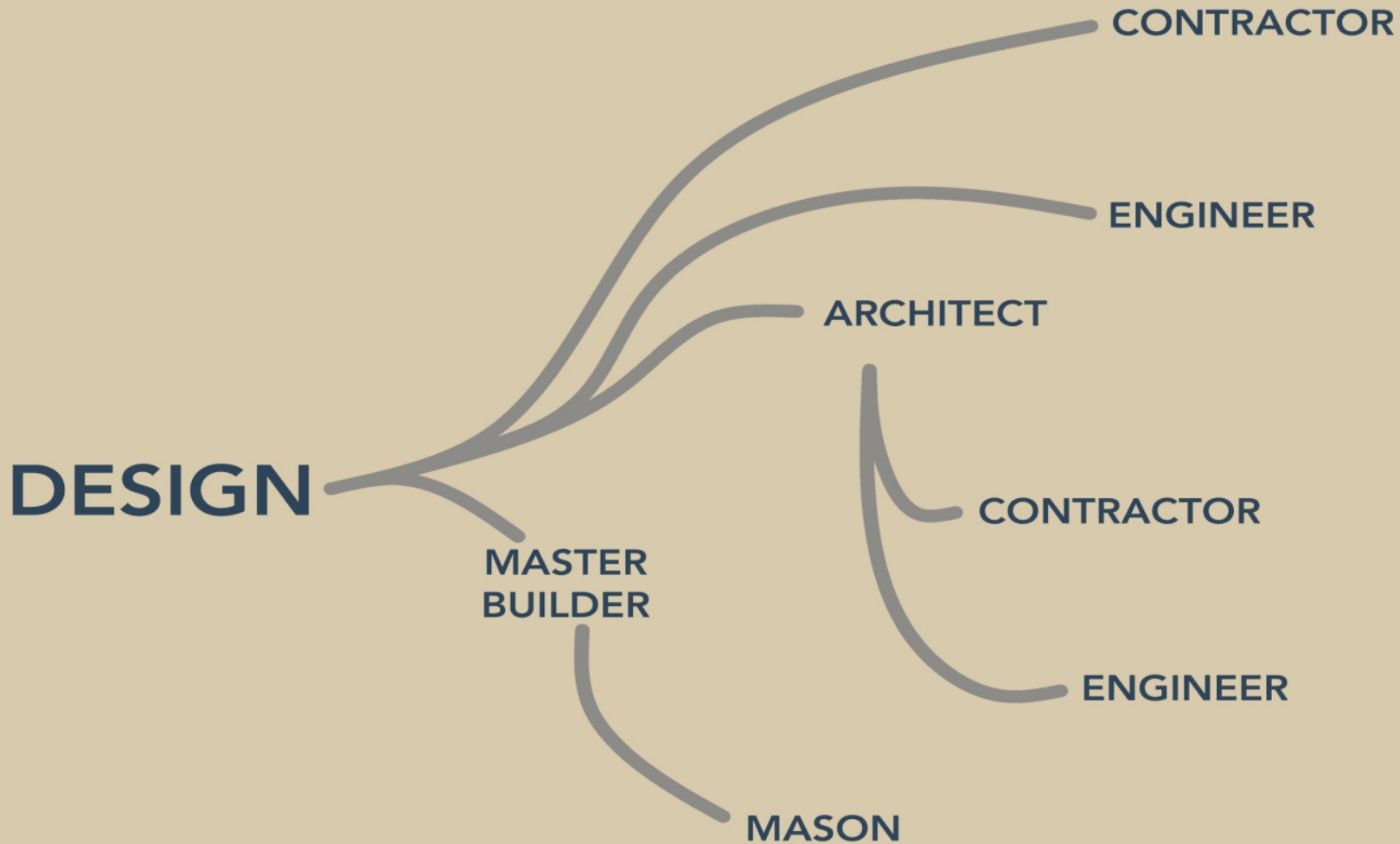


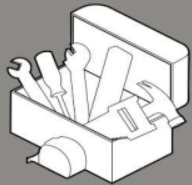
UMAINE|



NEW UNDERSTANDINGS|



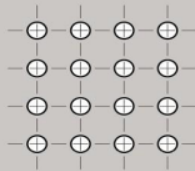




- 1860
Apprenticeship

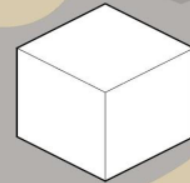


1860 - 1920
Polytechnic vs. Beaux-Arts



1945 - 1968
Rationalism

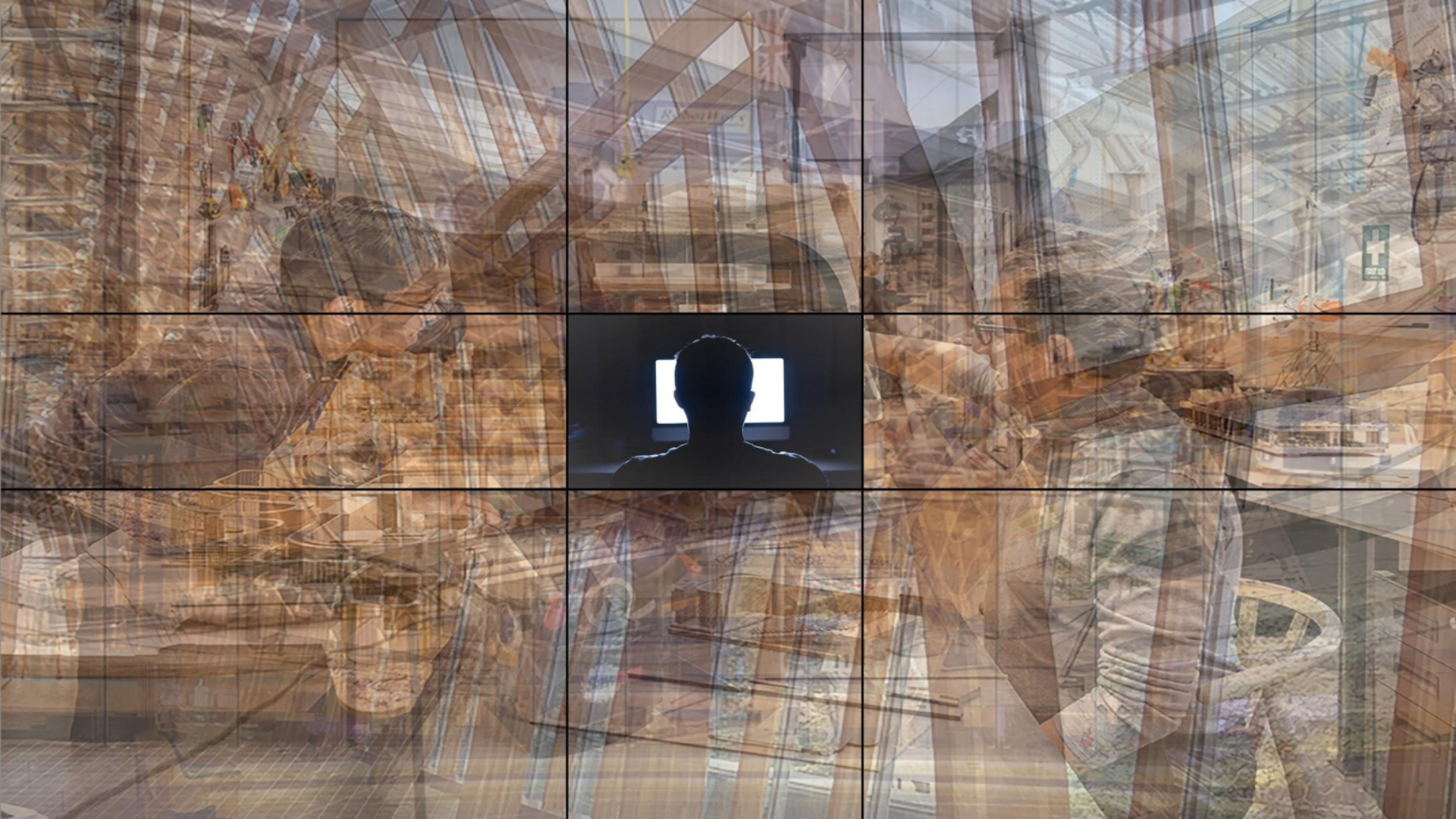
1920 - 1945
Modernist Response

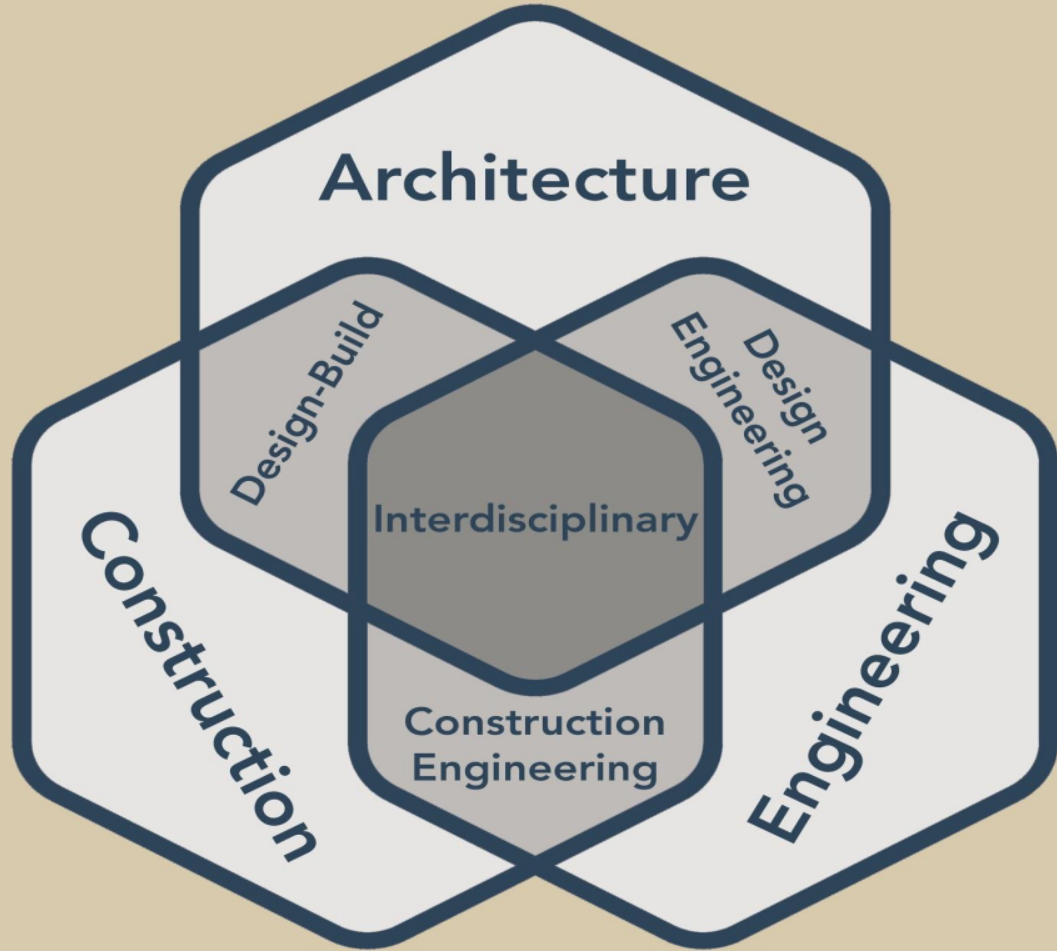


1968 - 1990
Activism &
Postmodernism



1990 -
Technological Age





Architecture

Design-Build

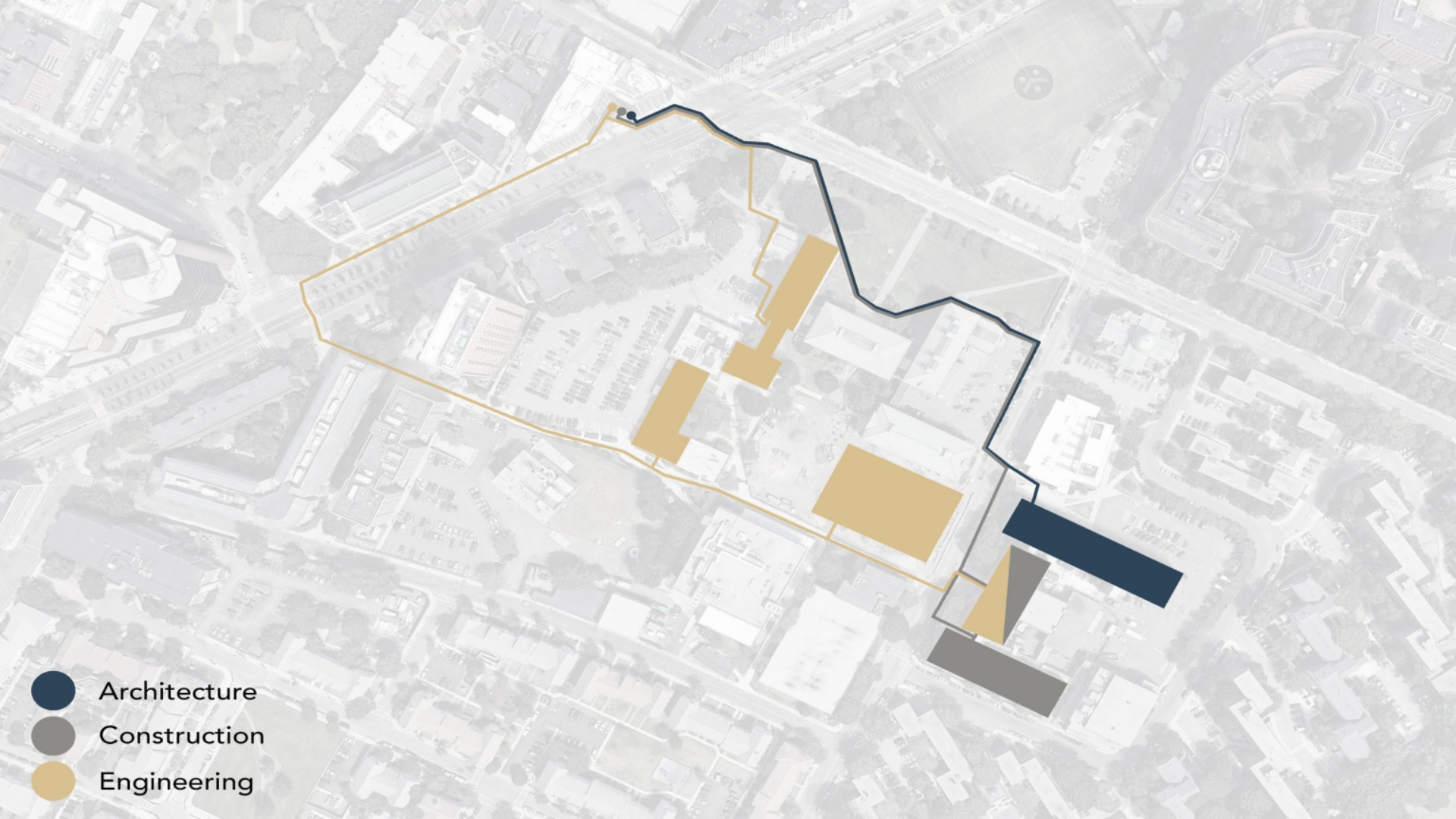
Design Engineering

Interdisciplinary

Construction Engineering

Construction

Engineering

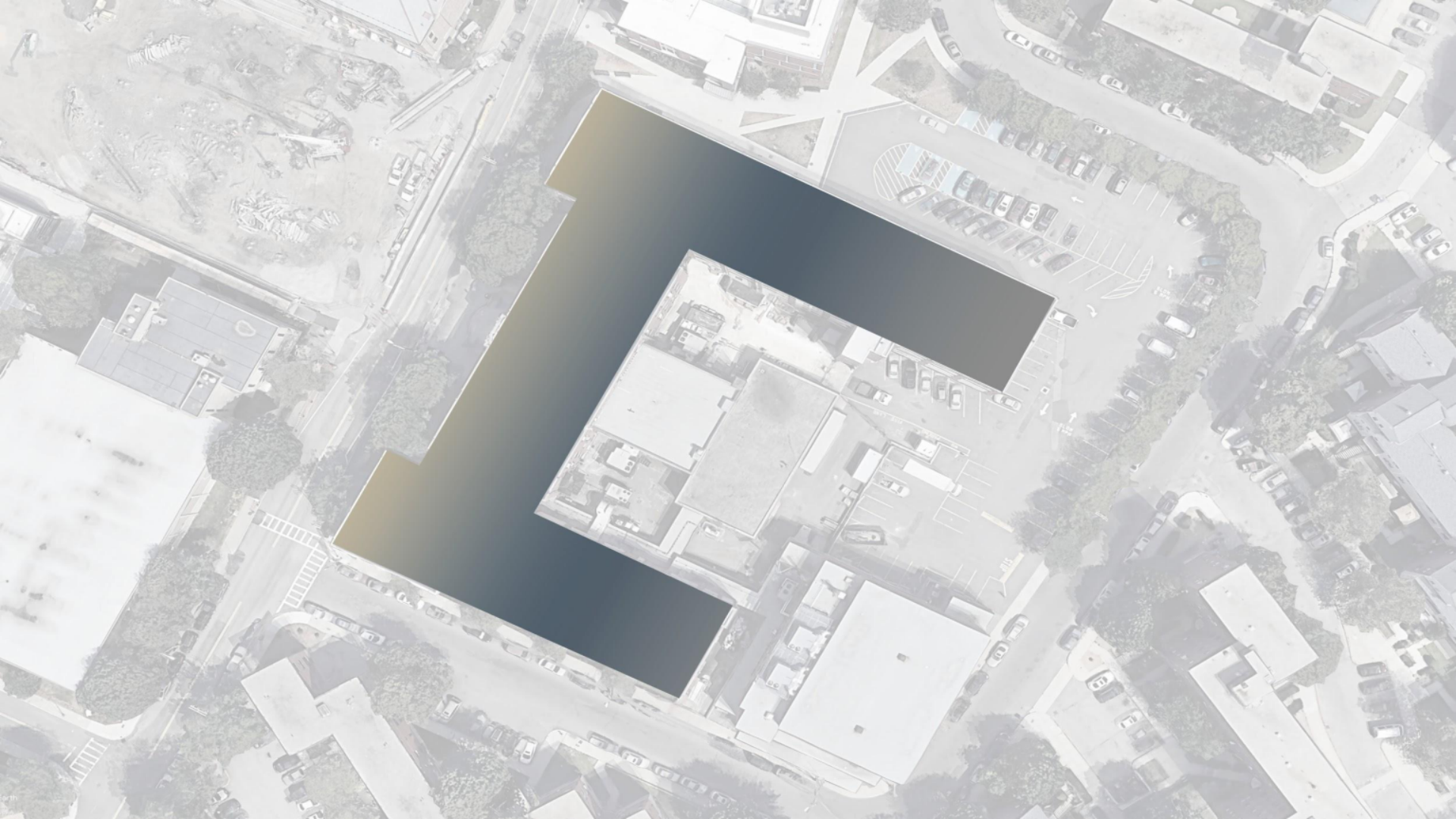


- Architecture
- Construction
- Engineering

MOVING FORWARD |







CURRICULUM |

Emerging Technologies Concentration

Fall Semester (total credits 19)

- ◆ ARCH4025, Studio 07
- ◆ ARCH3700, Concentration Studies
- ◆ ELECTIVE, General Elective
- ◆ HSS ELECTIVE, See ENGL/HSS note below *

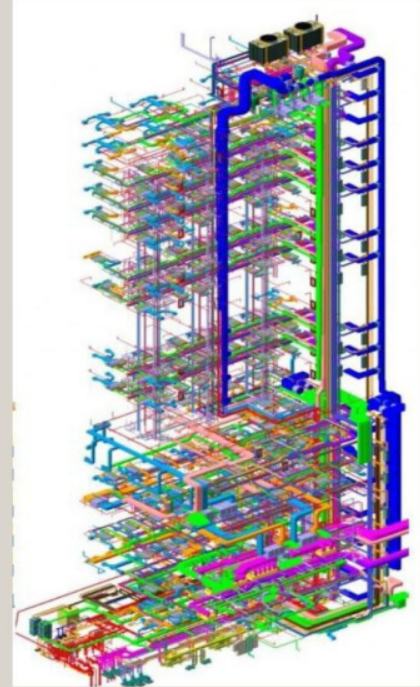
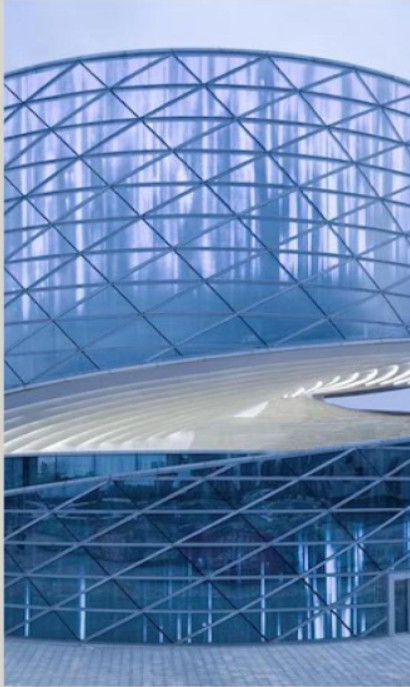
Spring - 18 credits

- ◆ HSS ELECTIVE, See ENGL/HSS note below * - 4 credits
- ◆ CIVE4000 Design Projects - 4 credits
- ◆ Elective Science (Biology or Geology) - 4 credits
- ◆ MGMT3200 Engineering Economy - 3 credits
- ◆ Elective Civil Engr or ENGR EPIC - 3 credits

Fall Semester (total credits 19)

- ◆ CONM 2000, Construction Surveying 4 credits
- ◆ CONM 2100, Statics and Strength of Materials 4 credits
- ◆ CONM 2200, Estimating 4 credits
- ◆ MGMT 2700, Financial Accounting 3 credits
- ◆ HSS ELECTIVE, See ENGL/HSS note below *

ARGUMENT THROUGH MAKING |



BUILD

ANALYZE



ACSA

**ASSOCIATION OF COLLEGIATE
SCHOOLS OF ARCHITECTURE**



NCARB



AIA

NAAB