

2024 – 2025: Course 4 – Bachelor of Science in Architecture (BSA)

Fall	IAP	Spring
Sophomore Year		
4.021 Design Studio: How to Design (GIR/HASS-A; 12 units) 4.401 Environmental Technologies in Buildings (12 units) 4.500 Design Computing: Art, Objects and Space (12 units)	*4.02A Design Studio: How to Design Intensive (GIR/HASS-A, 9 units) – intended for those who were unable to take 4.021 fall term and need to take 4.022 in spring)	4.022 Design Studio: Introduction to Design Techniques and Technologies (12 units, prerequisite 4.021) 4.440J Building Structural Systems 1 (GIR/REST, 12 units, prerequisites 8.02)
Junior Year		
4.023 Architecture Design Studio 1 (24 units, prerequisite 4.022) 4.603 Understanding Modern Architecture (GIR/HASS-A, 12 units)		4.024 Architecture Design Studio 2 (24 units, prerequisite 4.023, 4.401, 4.500) 4.302 Foundations in Arts, Design and Spatial Practice (CI-M; 12 units)
Senior Year		
4.THT Thesis Research Design Seminar (CI-M, 12 units) One Restricted Elective from list below		4.THU Undergraduate Thesis (12 units, prerequisite 4.THT) One Restricted Elective from list below

- *4.021 is taken in the fall or spring terms. It is a prerequisite for 4.022 also taught fall and spring. If 4.021 is not taken in the fall, 4.02A can be taken in January in order to facilitate the studio sequence without interruption.
- Keep in mind that only three subjects (36 units) may be used to fulfill both Departmental requirements and GIR requirements. Generally, those three subjects are 4.021 (HASS-A); plus 4.603 (HASS electives); and 4.440 (REST).

Restricted Electives

Architecture Design and Studies

- 4.041 Design Studio: Advanced Product Design (12 units, SP)
- 4.053 Visual Communication Fundamentals (12 units, FA)
- 4.250J Introduction to Urban Design and Development (12 units, SP)

Art, Culture and Technology (ACT)

- 4.307 Art, Architecture and Urbanism in Dialogue (12 units, prerequisite 4.301 or 4.302, FA)
- 4.314 Advanced Photography and Related Media (12 units, FA)
- 4.322 Introduction to Three-Dimensional Art Work (12 units, FA)
- 4.341 Introduction to Photography and Related Media (12 units, FA + SP)
- 4.344 Advanced Photography and Related Media (12 units, FA)
- 4.354 Introduction to Video and Related Media (12 units, FA + SP)
- 4.356 Cinematic Migrations (12 units, FA)

- 4.368 Studio Seminar in Public Art and the Public Sphere (12 units, prerequisite 4.301 or 4.302, SP)
- 4.373 Advanced Projects in Art, Culture, and Technology (12 units, FA)

Building Technology (BT)

- 4.411J D-Lab Schools: Building Technology Laboratory (12 units, prerequisites Calculus 1 + Physics 1, FA)
- 4.432 Modeling Urban Energy Flows for Sustainable Cities and Neighborhoods (12 units, prerequisite POI, SP)
- 4.451 Computational Structural Design and Optimization (12 units, prereq: 1.000 or 6.0001+ 6.0002 and 4.440J, 2.001 or 1.050, FA)

Computation (Comp)

- 4.501 Advanced Design Projects in Digital Fabrication (12 units; Preq. 4.500, SP)
- 4.502 Advanced Visualization: Architecture in Motion Graphics (12 units; prereq: 4.500, FA)

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4.507 Introduction to Building Information Modeling in Architecture (12 units, SP)
4.520 Visual Computing (12 units, SP)
6.1040 Software Design (18 units, FA)
6.4400 Computer Graphics (12 units, FA)
6.8371 Digital and Computational Photography (12 units, FA)
CMS.405 Visual Design (12 units, prerequisite 21L.011 or CMS.100, FA)
CMS.631 Data Storytelling Studio (12 units, SP)
CMS.633 Digital Humanities I: Topics, Techniques, and Technologies (12 units, FA)

History, Theory and Criticism of Architecture (HTC)

4.601 Introduction to Art History (12 units, FA)
4.602 Modern Art and Mass Culture (12 units, SP)
4.605 The Global History of Architecture (12 units, HASS-A, SP)
4.614 Building Islam (12 units, HASS-A, FA)
4.635 Early Modern Architecture and Art (12 units, HASS-A, FA)
4.636 Topics in European Medieval Architecture and Art (12 units, HASS-A, FA)
4.651 Art Since 1940 (12 units, HASS-A, SP)
4.657 Design: The History of Making Things (12 units, HASS-A, CI-H, SP)

Freshman Exploratory Subjects:

Fall — 4.021, Design Studio: How to Design, 12 units, HASS-Art
January IAP— 4.02A, Design Studio: How to Design Intensive, 9 units, HASS-Art
Spring— 4.021, Design Studio: How to Design, 12 units, HASS-Art
4.110, Design Across Scales and Disciplines, 12 units, HASS-Art
4.605, A Global History of Architecture, 12 units, HASS-Art
4.657, Design: The History of Making Things, 12 units, HASS-Art, CI-H