

# COURSE DESCRIPTIONS

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## MASTER OF ARCHITECTURE

### **KGAR 503 Special Topics in Architecture** 3 Credits

A topical course that allows the program to respond to students' interest in a particular area, or other expressed need, or capacity to offer a particular topic. Prerequisites: Second-year standing in program (first year for MArch students), or permission of program.

### **KGAR 511 Immersion I: Seeing Architecture** 6 Credits

Through direct observation, students learn to see at different scales (material, structure, infrastructure, cityscape), engage architectural communication, product and practice, and draw relationships to precedents.

*Prerequisites: Admission to the MArch Program or permission of the program*

### **KGAR 512 Studio I: Principles and Processes: Objects** 6 Credits

Working from Immersion I's lessons and observations, students design, draw and make at full scale to solve a small but open-ended body/space problem.

*Prerequisites: KGAR 511  
Co-requisite: KGAR 513*

### **KGAR 513 Seminar I: Design Communication I** 3 Credits

Students investigate architectural communication conventions, and develop the habit of manifesting ideas in 2D and 3D form for testing, developing and communicating.

*Prerequisites: KGAR 511  
Co-requisite: KGAR 512*

### **KGAR 521 Immersion II: How Things Work** 6 Credits

Students develop conceptual understanding of how things work: materials/methods, structures/systems, societies/cultures, forces of nature and our historical responses.

*Prerequisites: Completion of the first semester of the first-year program or its equivalent*

### **KGAR 522 Studio II: Making and Meaning: Systems** 6 Credits

Working from Immersion II's lessons, students apply design thinking and critical thinking to a structure/building/site problem that encompasses context and human social experience.

*Prerequisites: KGAR 521 and KGAR 512 or equivalent  
Co-requisite: KGAR 523*

### **KGAR 523 Seminar II: Design Communication II** 3 Credits

Focusing on emerging techniques, students become more familiar with new approaches to drawing and fabricating as they continue to practice the conventions of architectural communication.

*Prerequisites: KGAR 512 or equivalent  
Co-requisite: KGAR 522*

### **KGAR 531 Immersion III: Critique of Architecture** 6 Credits

Students engage in diachronic, cross-contextual and critical histories of architecture and urbanism, and the rebuttal/response of 21st century architectural issues-technologies, resources, cultures, aesthetics, ethics, and leadership.

*Prerequisites: Second-year standing in program  
(first year for 2-year MArch students)*

### **KGAR 532 Studio III: Site: Tectonics: Sustainability** 6 Credits

Students engage in a tectonic, place-making exploration of design principles and processes, creating sustainable solutions that are responsive to site, ecology and program.

*Prerequisites: KGAR 531 and Second year standing in program*

### **KGAR 541 Immersion IV: Building Systems Integration** 6 Credits

Students explore the theory and practice of accessibility, life-safety, environmental, structural, and service systems, with emphasis on how they interact and collectively inform building design.

*Prerequisites: Completion of KGAR 551 or the equivalent undergraduate preparation*

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**KGAR 542 Studio IV: Systems Thinking for Sustainable Architecture** 6 Credits

Students focus on integrated development and documentation of building design. A comprehensive, sustainable architectural project emerges, incorporating place, process, principles, technology, materials and systems.

*Prerequisites: KGAR 541*

**KGAR 551 Summer Studio: Design and Building Science**

3 to 6 Credits

Students explore through hands-on projects how materials work and go together, why buildings stand up, and how structural and environmental systems work together.

*Prerequisites: Completion of first-year program or equivalent, plus evaluation of individual prior course work*

**KGAR 611 Immersion V: Critical Travel** 6 Credits

Students engage place-making by studying off-campus, using design research to understand the interactions of social context, cultural diversity, and human behavior with the built environment.

*Prerequisites: KGAR 542 or permission of the instructor*

**KGAR 612 Studio V: Urban Collaborative** 6 Credits

Grounded in the research developed in KGAR 611, students explore the relationship between architecture, culture, and urban form through the design of a site-specific architectural intervention.

*Prerequisites: KGAR 542*

**KGAR 613 Practice Seminar: Critical Practice of the Profession**

3 Credits

Students investigate the role of design, collaboration, project delivery, client relationships and ethical behavior in building and maintaining a sustainable professional practice.

*Prerequisites: Completion of the second-year course of study*

**KGAR 621 Thesis Preparatory Seminar** 3 Credits

The student focuses on independent design research, analysis, and critical readings, and develops a written thesis proposal to solve an original, architecturally relevant problem.

*Prerequisites: KGAR 612*

**KGAR 622 Studio VI: Thesis** 6 Credits

Each student defines and presents an unsolved, architecturally relevant problem and develops, proposes and defends a solution through design research, thinking and communication.

*Prerequisites: KGAR 612, KGAR 621*

*Co-requisite: KGAR 623*

**KGAR 623 Thesis Proseminar** 3 Credits

The student focuses on thesis development with emphasis placed on continued research, written, diagrammatic, and oral communication and peer review.

*Prerequisites: KGAR 621*