## Master of Architecture

The first table immediately below, lists the draft learning outcomes for the program specific to the University of Toronto. The second table (next 2 pages) list required competencies from the CACB. In the online survey, you are invited to comment on the strengths of each.

Graduates of the UofT Master of Architecture will be able to:	
1.	demonstrate understanding of architectural design principles and methods, and the various histories, technologies, precedents, and representational tools that define the field.
2.	describe the ways in which architecture can address questions of cultural relevance, modern craft, and environmental durability.
3.	understand the political, socio-cultural, environmental, economic, and technological contexts within which architecture exists.
4.	describe relevant conceptual and theoretical frameworks and how they shape architecture and urban design.
5.	apply various research techniques common to the discipline and practice of architecture.
6.	draw influence and information from cognate fields and bodies of knowledge.
7.	apply design theories, methods, and precedents to the conception, configuration, and design of buildings, spaces, and tectonic components.
8.	synthesize research findings and comparatively evaluate information.
9.	perform program and site analysis, and test potential alternative outcomes against criteria and standards.
10.	recognize and enforce relationships between built form, site, urban context, and ecological conditions.
11.	describe the principles used in the effective application of architectural materials and the design of building envelope systems, along with principles of structural behaviour.
12.	write, speak, and use visual media to communicate on architectural subject matter within the profession and with the public.
13.	effectively employ the broad range of design tools available to the architectural discipline, including a range of techniques for two-dimensional and three-dimensional representation, computational design, modeling, simulation, and fabrication.
14.	contribute to critiques, group discussions, and formal reviews in execution of the design process
15.	demonstrate understanding of the value of collaborating with colleagues from cognate disciplines and engaging in practice-based networking of ideas and skills.
16.	describe the possibilities and potential limitations of architecture, including the philosophical and methodological basis for new modes of practice best suited to facing the evolving challenges of the profession.
17.	understand the societal roles and responsibilities of architects, including meeting legal and ethical standards.
18.	navigate the regulatory systems and instruments that govern the context within which architecture exists.
19.	demonstrate an understanding of the principles and types of practice organization, including financial management and business planning.

Graduates of a CACB-accredited Master of Architecture will be able to:		
B2.	demonstrate understanding of the history of architecture and urban design regarding cultural, political, ecological, and technological factors that have influenced their development.	
B3.	demonstrate understanding of conceptual and theoretical frameworks and how they have shaped architecture and urban design.	
B5.	describe the broader ecologies that inform the design of buildings and their systems and of the interactions among these ecologies and design decisions.	
C1.	refer to and apply building codes, regulations, and standards for a given building and site, including universal design standards and the principles that inform the design and selection of life-safety systems.	
C2.	employ the basic principles used in the appropriate selection and application of architectural materials as it relates to fundamental performance, aesthetics, durability, energy, resources, and environmental impact.	
СЗ.	employ the principles of structural behavior in withstanding gravitational, seismic, and lateral forces, including the selection and application of appropriate structural systems.	
C4.	employ the basic principles used in the design of building envelope systems and associated assemblies relative to fundamental performance, aesthetics, durability, energy, material resources, and environmental impact.	
C5.	employ the basic principles that inform the design of passive and active environmental modification and building service systems, the issues involved in the coordination of these systems in a building, energy use and appropriate tools for performance assessment, and the codes and regulations that govern their application in buildings.	
D1.	produce an architectural design based on a concept, a building program, and a site which broadly integrates contextual factors, structural and environmental systems, building envelopes and assemblies, regulatory requirements, and environmental stewardship.	
A4.	analyze and respond to a complex program for an architectural project that accounts for client and user needs, appropriate precedents, space and equipment requirements, the relevant laws, and site selection and design assessment criteria.	
A5.	analyze and respond to local site characteristics, including urban, non-urban, and regulatory contexts; topography; ecological systems; climate; and building orientation in the development of an architectural design project.	
A6.	analyze and respond to the larger urban context where architecture is situated; its developmental patterning and spatial morphologies; the infrastructural, environmental, and ecological systems; to understand the regulatory instruments that govern this context; the broader implications of architectural design decisions on the evolution of cities; and the impact of urbanism on design.	
A1.	employ a design process grounded in theory and practice, which demonstrates an understanding of design principles and methods, and the critical analysis of architectural precedents.	
A2.	apply design theories, methods, and precedents to the conception, configuration, and design of buildings, spaces, building elements, and tectonic components.	
A7.	assess, as an integral part of design, the appropriate combinations of materials, components, and assemblies in the development of detailed architectural elements through drawing, modeling, and/or full-scale prototypes.	

A8.	document and present the outcome of a design project using the broad range of architectural media, including documentation for the purposes of construction, drawings, and specifications.
A3.	use the broad range of design tools available to the architectural discipline, including a range of techniques for two-dimensional and three-dimensional representation, computational design, modeling, simulation, and fabrication.
B1.	raise clear and precise questions; record, assess, and comparatively evaluate information; synthesize research findings and test potential alternative outcomes against relevant criteria and standards; reach well-supported conclusions related to a specific project or assignment; and write, speak, and use visual media effectively to appropriately communicate on subject matter related to the architectural discipline within the profession and with the general public.
B4.	recognize the diverse needs, values, behavioural norms, and social/spatial patterns that characterize different global cultures and individuals and the implications of diversity on the societal roles and responsibilities of architects.
E1.	describe the organization of the profession, the Architects Act(s) and its regulations, the role of regulatory bodies, the paths to licensure including internship, and the reciprocal rights and responsibilities of interns and employers.
E2.	demonstrate understanding of the ethical issues involved in the formation of professional judgment; the architect's legal responsibility under the laws, codes, regulations, and contracts common to the practice of architecture; intellectual property rights; and the role of advocacy in relation to environmental, social, and cultural issues.
E3.	demonstrate understanding of the basic principles and types of practice organization, including financial management, business planning, entrepreneurship, marketing, negotiation, project management, and risk mitigation, as well as an understanding of trends that affect the practice.
E4.	demonstrate understanding of the various contracts common to the practice of architecture.
E5.	understanding of the relationships among key stakeholders in the design process; the methods for selecting consultants and assembling teams; building economics and cost control strategies; the development of work plans and project schedules; and project delivery methods.

You will note that in some places the UofT specific objectives draw very closely from the competencies from the accreditation body (CACB), in other places the UofT specific objectives emphasize skills and knowledge that make our degree unique and special.