

# CERTIFICATE IN BUILDING COMMISSIONING

---

The Certificate in Building Commissioning is a preparatory coursework-only non-degree program oriented toward students who wish to gain knowledge and practice in building commissioning. Building commissioning is an integrated process of quality assurance (QA) and quality control (QC) to ensure building systems, including envelope, mechanical, electrical, lighting, plumbing, fire protection, acoustical, and controls, perform interactively and according to the design intent, and ensuring that building operators are prepared to operate and maintain its systems and equipment. This program helps prepare students for the Building Commissioning Professional (BCxP) Certification Exam. The program is designed to be taken standalone for gaining introductory knowledge or in preparation for gaining advanced knowledge in buildings and their systems via a subsequent master's program (e.g. the Master of Engineering in Architectural Engineering or Energy Systems Engineering programs). The program combines courses in building science, building commissioning, and project management/commissioning.

Code	Title	Credit Hours
<b>Program Requirements</b>		<b>(9)</b>
Select a minimum of three courses from the following:		9
CAE 554	Building Commissioning	3
<b>Construction/Project Management Requirement</b>		
CAE 587	Commissioning of Construction Projects	3
or CAE 569	Construction Methods, Cost Estimating, and Project Budgeting	
or EMGT 470	Project Management	
<b>Building Science Requirement</b>		
CAE 513	Building Science	3
or CAE 517	HVAC Systems Design	
or CAE 538	Control of Building Environmental Systems	
or CAE 553	Measurement and Instrumentation in Architectural Engineering	
<b>Total Credit Hours</b>		<b>9</b>