

MASTER OF HIGH PERFORMANCE BUILDINGS

The post-professional Master of High Performance Buildings is an academic degree, offered jointly by the College of Architecture and the Department of Civil, Architectural, and Environmental Engineering. It is intended for students, with professional degrees in architecture or a bachelor of science degree in engineering, seeking to develop a better understanding of the theories, methods, and technologies necessary to achieve high performance, energy efficient, healthy, and sustainable buildings, with an emphasis on the integrated design process in which architects and engineers work together to achieve common goals.

Admission Requirements

Minimum GRE requirements: 292 quantitative + verbal and 2.5 analytical writing.

Code	Title	Credit Hours
Required Courses		(15)
CAE 513	Building Science	3
CAE 556	Net Zero Energy Home Dsgn I	3
CAE 557	Net Zero Energy Home Dsgn II	3
ARCH 546	Arch Studio VI: Advanced	6
Elective Courses		(15)
Select a minimum 15 credit hours from the following: ¹		15
ARCH 483	Material: Transparent	3
ARCH 502	Adv Topics in Hist&Theory I	3
ARCH 509	Topics in Advanced Technology	3
ARCH 513	Environ & Building Systems I	3
ARCH 514	Environ & Building Systems II	3
ARCH 551	Desn Energy-Efficient Bldg I	3
ARCH 552	Design of Energy-Eff Bldg II	3
ARCH 597	Special Problems	1-8
CAE 466	Building Electrical/Lighting	3
CAE 467	Lighting Systems Design	3
CAE 470	Constrctn Methods&Cost Estmg	3
CAE 515	BIM Applications for Bldg Perf	3
CAE 524	Building Enclosure Design	3
CAE 526	Energy Conservation Dsgn:Bldgs	3
CAE 550	Applied Bldg Energy Modeling	3
EG 430	Intro Building Info Modeling	3
ENVE 576	Indoor Air Pollution	3
Total Credit Hours		30

¹ Maximum 12 credit hours from 400 level elective courses allowed.