

# MASTER OF HIGH PERFORMANCE BUILDINGS

ILLINOIS INSTITUTE OF TECHNOLOGY  
College of Architecture

ARCH.IIT.EDU

## Sample Curriculum

The Master of High Performance Buildings degree is a 30-credit, one and a half-year program, although there is a two-year option for working professionals who wish to complete the degree program while working full time.

## Flexible Curriculum

<u>1ST YEAR (FALL)</u>	HRS.	<u>1ST SPRING SEMESTER</u>	HRS.
CAE 513—Building Science	3	ARCH 546—HP Design Studio	6
Approved Electives (Varies)	6	Approved Elective (Varies)	3
Total Hours	9	Total Hours	9

## Intense Curriculum

### 1ST FALL SEMESTER

CAE 513—Building Science	3
CAE 556—Net Zero Building Design	3
Approved Electives (Varies)	6
Total Hours	12

### 1ST SPRING SEMESTER

ARCH 546—HP Design Studio	6
CAE 557—Net Zero Building Design II	3
Total Hours	9

### 2ND FALL SEMESTER

Approved Electives (Varies)	9
Total Hours	9
<b>TOTAL DEGREE CREDIT HOURS</b>	<b>30</b>

### 2ND SPRING SEMESTER

CAE 557—Net Zero Building Design II	3
Approved Elective (Varies)	3
Total Hours	6
<b>TOTAL DEGREE CREDIT HOURS:</b>	<b>30</b>

### APPROVED ELECTIVES

ARCH 483—Material: Transparent	3
ARCH 502—Advanced Topics in History and Theory 1	3
ARCH 509—Topics in Advanced Technology	3
ARCH 513—Environment and Building Systems I	3
ARCH 514—Environment and Building Systems II	3
ARCH 551—Design of Energy-Efficient Buildings I	3
ARCH 552—Design of Energy-Efficient Buildings II	3
ARCH 597—Special Problems	1-8
CAE 466—Building Electrical/Lighting	3
CAE 467—Lighting Systems Design	3
CAE 470—Construction Methods and Cost Estimating	3
CAE 515—Building Information Modeling Applications for Building Performance	3
CAE 524—Building Enclosure Design	3
CAE 526—Energy Conservation Design in Buildings	3
CAE 550—Applied Building Energy Modeling	3
EG 430—Introduction to Building Information Modeling	3
ENVE 430—Indoor Air Pollution	3