

ARCHITECTURE, BARCH, MORPHOLOGY CONCENTRATION

As part of the Center for Experimental Structures (CES), the Concentration in Morphology leverages the long history of interest in form studies with a focus on exploring the relationship between form and space (geometry, topology), form and force (structural morphology), form and time (dynamic morphology) enabled by computation, fabrication, construction, and emerging technologies. Within this overview, different course offerings focus on any combination of these topics. Since D'Arcy Thompson's pioneering work a century ago, the generative principles of form have become central to our understanding of the diverse structures we encounter in nature and man-made constructs, physical and even conceptual. This paradigm has percolated within many fields of knowledge since and guides the academic and research activities at the CES at Pratt Institute's School of Architecture.

Course	Title	Credits
Semester 1		
ARCH-101	Design I	5
ARCH-111	Representation 1	3
ARCH-131	Technics ¹	3
ARCH-151	History and Theory of Architecture 1	3
HMS-101B	Literary and Critical Studies for Architecture I	3
HMS-291B	Introduction to Transdisciplinary Writing for Architecture I	1
Credits		18
Semester 2		
ARCH-102	Design II	5
ARCH-112	Representation 2	3
ARCH-152	History and Theory of Architecture 2	3
MSCI-110	Intro to Physics/Chemistry	3
HMS-201B	Literary and Critical Stud for Arch St Studies for Architects II	3
HMS-292B	Intro to Transdisciplinary Writing II Writing II	1
Credits		18
Semester 3		
ARCH-201	Intermediate Design I	5
ARCH-211	Representation 3	3
ARCH-231	Statics and Strength of Materials	3
ARCH-251	History and Theory of Architecture 3	3
ARCH-261	Architectural Materials	3
Credits		17
Semester 4		
ARCH-202	Intermediate Design II	5
ARCH-232	Structures: Steel	3
ARCH-252	History and Theory of Architecture 4 ¹	3
ARCH-262	Architectural Assembly Systems	3
MSCI-271	Ecology for Architects	3
Credits		17

Semester 5		
ARCH-301	Comprehensive Design I	5
ARCH-331	Concrete Structures	3
ARCH-361	Building Environment	3
ARCH-363	Professional Practice	3
Liberal Arts Elective		3
Credits		17
Semester 6		
ARCH-302	Comprehensive Design II	5
ARCH-362	Building Services	3
ARCH-364	Construction Documents	3
Social Science/Philosophy Elective		3
Morphology Elective		3
Credits		17
Semester 7		
Select one of the following:		5
ARCH-401	Advanced Design I	
ARCH-400I	Advanced Design (Rome) (Rome)	
ARCH-454	Urban Genealogies: History & Theories Of Urbanism: Forms,texts,context	3
SS-203G	Global History to 1800	3
Liberal Arts Elective		3
Morphology Elective		3
Credits		17
Semester 8		
Select one of the following:		5
ARCH-402	Advanced Design II	
ARCH-400I	Advanced Design (Rome) (Rome)	
SS-204G	Global History Since 1800	3
Liberal Arts Elective		3
Morphology Elective		3
All Institute Elective		3
Credits		17
Semester 9		
Select one of the following:		5
ARCH-403	Advanced Design III	
ARCH-400I	Advanced Design (Rome) (Rome)	
ARCH-501	Degree Project: Research	3
HMS-497B	Research Writing for Architecture Students	1
Social Science/Philosophy Elective		3
Morphology Elective		3
All Institute Elective		2
Credits		17
Semester 10		
ARCH-503	Degree Project: Design Studio	5
HMS-498B	Advanced Transdisciplinary Writing	1
All Institute Elective		9
Credits		15
Total Credits		170

¹ Morphology pre-requisite

- **Professional Knowledge:** Each student will demonstrate the ability to transform an idea to an architectural proposition by incorporating all skills developed from core to advance design. (Design Excellence)
- **Social & Cultural Thinking:** Students at Pratt learn that architecture is a meaningful cultural contribution dedicated to the sustenance of the imagination and the necessity for material embodiment within a larger social and ethical context. (Critical Thinking/Cultural and Social Knowledge)
- **Technology:** Students will demonstrate the critical use of digital technology, fabrication, and environmentally responsible design in relationship to contemporary design and practice. (Technology: Computation and Digital Fabrication)
- **Urbanism:** Students will demonstrate the ability to integrate sustainable practices, material research, and interdisciplinary approaches to find sustainable design solutions. (Ecological Design)
- **Critical Thinking:** Students will demonstrate creative and intellectual independence to applied architectural research. (Research)
- **Professional Knowledge:** Pratt seeks to instill aesthetic judgment, knowledge, collaborative skill, and technical expertise which can blend theory with creative applications in the preparation of students to become leaders in the profession. (Professionalism)