

## (PhD-AECM)

### Doctor of Philosophy in Architecture-Engineering-Construction Management

#### Description

The PhD of Architecture–Engineering–Construction Management (PhD-AECM) Program is jointly offered by the School of Architecture and the Department of Civil & Environmental Engineering. The program is intended for practitioners, researchers, and educators in engineering, architecture, construction management fields, and other professionals in the building industry who wish to be pioneers and advanced leaders in management technologies and their application to the built environment.

#### Curriculum

Minimum Curricular Requirements for PhD students **with prior MS in related area**

Course Requirements <sup>^</sup> (first 2 semesters)			Following Years... <sup>§</sup>	
	Fall Courses	Spring Courses	Independent Work (w/Advisor)	Expected Effort**
<b>Core</b> (24 units)	12-794 Grad. Sem., Sec. D (0) [P/N] 48-725 Real Est. Des. & Dev. (12)	12-794 Grad. Sem., Sec. D (0) [P/N] 48-711 Para. Research in Arch.(12)	Game Plan	1 semester
<b>Selectives</b> (48 units)	Sustainability (12 units) Quantitative Modeling (12 units) From approved list on MS AECM curriculum or with substitution request	Management (12 units) Computational Skills (12 units) From approved list on MS AECM curriculum or with substitution request	↓ Qualification	1 semester
<b>Electives</b> (12 units)	6 or more units of courses or independent study related to your potential topic	6 or more units of courses or independent study related to your potential topic	↓ Proposal	1 semester
<b>TOTAL</b> (84 units)	42 minimum units	42 minimum units	↓ Dissertation	3 semesters

Minimum Curricular Requirements for PhD students **with prior MS in non-related area**

Course Requirements <sup>^</sup> (first 3 semesters)				Following Years... <sup>§</sup>	
	Fall Courses	Spring Courses	Fall Courses	Independent Work (w/Advisor)	Expected Effort**
<b>Prerequisites &amp; Core</b> (57 units)	12-411 Proj. Management for Construction (9 units) 12-794 Grad. Sem. (0) [P/N] 48-725 Real Estate (12)	48-711 Paradigms of Research in Arch. (12) 12-794 Grad. Sem. (0) [P/N]	48-767 Trans.Think.(12) 48-765 AECM Syn (12) or 48-792 PhD Ind. Stu.	Game Plan	1 semester
<b>Selectives</b> (48 units)	Sustainability (12 units) From approved list on MS AECM curriculum or with substitution request	Management (12 units) Computational Skills (12) From approved list on MS AECM curriculum or with substitution request	Quantitative Modeling (12 units) From approved list on MS AECM curriculum or with substitution request	↓ Qualification	1 semester
<b>Electives</b> (9 units)	3 or more units of courses or independent study related to your potential topic		6 or more units of courses related to your potential topic	↓ Proposal	1 semester
<b>TOTAL</b> (114 units)	36 min. units	36 min. units	42 units	↓ Dissertation	3 semesters

<sup>^</sup> *Residency* The minimum required full-time residency for all PhD programs in the School of Architecture is two (2) years. Full-time status (minimum 36 units per semester) is required up to and including the Proposal phase. Certain students are legally required to maintain Full-time status for the entire duration of the program (e.g. international students on a visa). See Graduate Student Handbook (available online) for additional details and regulations.

<sup>§</sup> *Game Plan, Qualification, Proposal, & Dissertation* For details and regulations about the Game Plan, Qualification, Proposal and Dissertation processes please see the Graduate Student Handbook (available online).

\*\* *Expected Effort* is an approximation, and is not a Residency requirement.