

Architectural Engineering, M.S.

This degree program requires a minimum of 30 semester credit hours.

Thesis Option

Code	Title	Semester Credit Hours
Core Requirements		
AEEN 5301	Systems Integration and Modeling	3
AEEN 5302	Energy Statistics and Data Analysis	3
MEEN 5345	Cond and Convection Heat Trans	3
or AEEN 5304	Heat Transfer in Buildings	
AEEN 5311	Advanced Reinforced Concrete Design	3
or AEEN 5361	Advanced Structural Steel Design	
Thesis Requirement		
AEEN 5306	Thesis	3
AEEN 5306	Thesis	3
Approved Electives		12
Select 12 hours from the following:		
AEEN 5303	Advanced Topics in Architectural Engineering	
AEEN 5307	Building Energy Audits	
AEEN 5308	Sustainable Buildings	
AEEN 5309	Lighting Systems and Design	
AEEN 5311	Advanced Reinforced Concrete Design	
AEEN 5320	Foundation Engineering I	
AEEN 5321	Structural Dynamics	
AEEN 5322	Foundation Engineering II	
AEEN 5335	Prestressed Concrete	
AEEN 5337	Advanced Structural Analysis	
AEEN 5360	Advanced Structural Engineering	
AEEN 5361	Advanced Structural Steel Design	
CEEN 5324	Heavy Construction	
CEEN 5325	Risk Management Construction	
CEEN 5326	Adv Construction Management	
MEEN 5321	Advanced Fluid Mechanics	
MEEN 5345	Cond and Convection Heat Trans	
MEEN 5347	Advanced Thermodynamics	
Total Semester Credit Hours		30

Course Only Option

Code	Title	Semester Credit Hours
Core Requirements		
AEEN 5301	Systems Integration and Modeling	3
AEEN 5302	Energy Statistics and Data Analysis	3
MEEN 5345	Cond and Convection Heat Trans	3
or AEEN 5304	Heat Transfer in Buildings	
AEEN 5311	Advanced Reinforced Concrete Design	3

or AEEN 5361 Advanced Structural Steel Design

Approved Electives	18
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Select 18 hours from the following:

AEEN 5303	Advanced Topics in Architectural Engineering
AEEN 5307	Building Energy Audits
AEEN 5308	Sustainable Buildings
AEEN 5309	Lighting Systems and Design
AEEN 5311	Advanced Reinforced Concrete Design
AEEN 5320	Foundation Engineering I
AEEN 5321	Structural Dynamics
AEEN 5322	Foundation Engineering II
AEEN 5335	Prestressed Concrete
AEEN 5337	Advanced Structural Analysis
AEEN 5360	Advanced Structural Engineering
AEEN 5361	Advanced Structural Steel Design
CEEN 5324	Heavy Construction
CEEN 5325	Risk Management Construction
CEEN 5326	Adv Construction Management
MEEN 5321	Advanced Fluid Mechanics
MEEN 5345	Cond and Convection Heat Trans
MEEN 5347	Advanced Thermodynamics

Total Semester Credit Hours	30
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