

MAE Program of Studies in Architectural Engineering

A 36 credit curriculum leading to a Masters of Architectural Engineering (MAE)

Update Effective Spring 2015/Fall 2015

First Semester of MAE (concurrent with BSAE-8th semester)		
All Options		
AE 8080	Applied Exp. Design and Statistical Analysis for AE	3
AE8000	AE Graduate Seminar	1
Lighting and Electrical Options		
AE 8220	Building Electrical Systems II	3
Mechanical and Acoustics Options		
AE 8120	Bldg. Control and Automation Systems	3
Structural Option		
CIVE 847	Reinforced Concrete II	3
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SUMMER of MAE		
AE8050	AE Summer Internship⁴	3

Second Semester of MAE		
All Options		
AE 8010	Graduate Project I	3
AE 8030	AE Interdisciplinary Team Design Project I	4
AE/CIVE/+ 8##0	One Elective^{1,2,3}	3
Lighting and Electrical Options		
AE 8260	Building Communications Systems	3
Mechanical and Acoustics Options		
AE 8140	Bldg. Energy III: Advanced Systems	3
Structural Option		
CIVE 836	Foundations	3
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Third Semester of MAE		
All Options		
AE 8020	Graduate Project II	1
AE8040	AE Team Design II: Construction documents	3
AE 8060	AE Professional Practice	3
AE/CIVE/+ 8##0	One Elective¹	3
Lighting and Electrical Options		
AE 8120	Bldg. Control and Automation Systems	3
Mechanical and Acoustics Options		
AE 8220	Building Electrical Systems II	3
Structural Option		
AE 8510	Masonry and timber Design	3
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TOTAL MAE Credits= **36**

1. Three of the six Elective credits must be Technical Electives in AE, CIVE or some other department, as approved by the student's academic advisor. The remaining three Elective credits may be chosen from any graduate level course offered at the University of Nebraska, as approved by the student's advisor.
2. Students in the Structural Option must select CIVE 846 Steel Design II as one of their Technical Electives.
3. If a student did not take CIVE 440 "Reinforced Concrete Design" in his/her BSAE degree program, then one of the MAE electives must be CIVE 840.
4. This course will be offered in the summer and will count as a technical elective, but can be substituted with other electives.