

MAE Approved Technical Elective List*

originally approved Fall 2020, confirmed Fall 2025

Course Number	Course
AE 8***	Any 8000 level AE/AREN course
AE 9***	Any 9000 level AE/AREN course
Examples could be as follows. For full list, see academic catalog	
AE 8920	Individual Instruction in Architectural Engineering
AE 8010	Graduate Project
AE 8110	Indoor Air Quality Engineering
AE 8330	Advanced Architectural Acoustics
AE 8940	Special Topics in AE
	<i>Health and the Built Environment</i>
	<i>Healthcare Design & Construction</i>
	<i>Renewable Energy</i>
	<i>Advanced Prototyping Building</i>
	<i>Infrastructure and Community Resilience</i>
CIVE 8***	Any 8000 level CIVE course
CIVE 9***	Any 9000 level CIVE course
Examples could be as follows. For full list, see academic catalog	
CIVE 998	Special Problems in Civil Engineering
CIVE 842	Structural Dynamics
CIVE 846	Steel Design II
CIVE 849	Intro Finite Element Analysis
CIVE 948	Blast-Resistant Structural Design
CIVE 834	Soil Mechanics II
CIVE 859	Reliability of Structures
CONE 8***	Any 8000 level CONE course
CONE 9***	Any 9000 level CONE course
Examples could be as follows. For full list, see academic catalog	
CONE 8176	Formwork Systems
CONE 8506	Sustainable Construction
CNST 8986	Special Topics in CM (Alternative Project Delivery)
ECEN 8***	Any 8000 level ECEN course
ECEN 9***	Any 9000 level ECEN course
Examples could be as follows. For full list, see academic catalog	
ECEN 806	Power Systems Analysis
MECH 8***	Any 8000 level MECH course
MECH 9***	Any 9000 level MECH course
MATH 8456	Machine Learning and Data Mining
THEA 8665	Stage and TV Lighting
STAT 8416	Introduction to Data Science
STAT 8426	Exploratory Data Visualization and Quantification
STAT 8456	Introduction to Machine Learning and Data Mining
CNST 898	The Surprise Challenges in Occupational Safety and Health for Construction Engineering and Management

* Courses listed above are considered pre-approved for the Electives in the MAE curriculum.

If a student wishes for another course to count as an elective, that course must be approved by a faculty vote.