

MAE Technical Elective List

11/1/2023

Course	Notes	
AREN 8080 - Applied Experimental Design and Statistical Analysis - 3		
AREN 8110 - Indoor Air Quality Engineering - 3		
AREN 8250 - Daylighting - 3		
AREN 8280 - Applied Photovoltaic and Renewable Energy Sources - 3		
AREN 8330 - Advanced Architectural Acoustics - 3		
AREN 8510 - Masonry and Timber Design - 3	required for structural students as one of their technical electives	
AREN 8600/4600 - Smart Building Sensors and Programming - 3		
AREN 8920 - Individual Instruction in AE (cr varies)		
AREN 8940 - Special Topics in AE - 3		
For Example:		
<i>Health and the Built Environment</i>		
<i>Healthcare Design & Construction</i>		
<i>Advanced Prototyping Building</i>		
<i>Infrastructure and Community Resilience</i>		
CIVE 998 - Special Problems in Civil Engineering - 3		
CIVE 842 - Structural Dynamics - 3		
CIVE 846 - Steel Design II - 3	required for structural students as one of the technical electives	
CIVE 849 - Intro Finite Element Analysis - 3		
CIVE 948 - Blast-Resistant Structural Design - 3		
CIVE 834 - Soil Mechanics II - 3		
CONE 8176 - Formwork Systems - 3		
CONE 8506 - Sustainable Construction - 3		
CNST 8986 - Special Topics in CM (Alternative Project Delivery)		
THEA 8665 - Stage and TV Lighting - 3	strongly encouraged for lighting students by Dr. Waters	
BSAD 8096 - Principles of Collaboration - 3	often offered in summer, online, no prerequisites	
BSAD 8300 - Organizational Theory & Design - 3	often offered in summer, online, no prerequisites	
BSAD 8110 - ACCT & Financial Fundamentals - 3		
CMST 8146 - Comm. & Human Relationships 3		
HIST 8416 - History of Nebraska - 3		