

# CROSS DISCIPLINARY STUDIES MINOR IN HEAVY CIVIL

Select from the following: 4-6

CM 113      Construction Materials and  
& CM 114      Assemblies  
                  and Construction Materials and  
                  Assemblies Lab

CE 259      Civil Engineering Materials  
& CM 310      and Construction Means and  
                  Methods

Select from the following: 6

CM 115      Fundamentals of Construction  
                  Management

CE/CM 371    Construction Management and  
& CE 113      Project Planning  
                  and Computer Aided Drafting in Civil  
                  Engineering

BRAE 239      Engineering Surveying      4  
or CM 239      Construction Surveying

CE 222      Introductory Experiments in  
                  Transportation Engineering      1

CM 232      Evaluation of Cost Alternatives      3

CM 314      Heavy Civil Construction  
                  Management      5

CE 321      Fundamentals of Transportation  
                  Engineering      3

CE 413      Advanced Civil Computer-Aided Site  
                  Design      2

CE 429      Highway Pavement Designs      4

CE 474      Environmental Compliance and  
                  Permitting      2

CM 280      Building Information Modeling      2

CE/CM 436    Heavy Civil Temporary Structures and  
                  Shoring      4

CE/CM 437    Heavy Civil Projects and Equipment      4

CM 422      Professional Preparation      3  
or CM 485      Cooperative Education Experience

**Total units**      **47-49**