

# GRADUATE CERTIFICATE IN HYDRAULIC DESIGN

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## Requirements Effective Fall 2023

Additional coursework may be required due to prerequisites.

Code	Title	Credits
Select 9 credits from the following:		9
CIVE 511	Coastal Engineering	
CIVE 512	Irrigation Systems Design	
CIVE 513	Morphodynamic Modeling	
CIVE 514	Hydraulic Structures/Systems	
CIVE 556	Slope Stability, Seepage, and Earth Dams	
CIVE 571	Pipeline Engineering and Hydraulics	
CIVE 612	Open Channel Flow	
CIVE 613	River Restoration Design	

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**Program Total Credits:** 9

\*This certificate may have courses in common with other graduate certificates. A student may earn more than one certificate, but a given course may be counted only in one certificate.