

Civil and Environmental Engineering Ph.D./D.Eng.

Student Learning Outcomes:

1. Advanced Knowledge - Graduates will be able to apply new environmental and civil engineering knowledge to their chosen area of expertise in civil and environmental engineering. Graduates should become experts in their field of knowledge and research.
2. Independent Research - Graduates will be able to conduct and critique high-level independent research in a chosen field of environmental and civil engineering.
3. Original Contribution (PhD Only) - Graduates will be able to create and produce an "original contribution to knowledge" in a chosen field of environmental and civil engineering.
4. Written Communication Skills (PhD Only) - Graduates will be able to evaluate scholarly environmental and civil engineering ideas and advanced technical material such as mathematical equations and data analysis in writing prepared for peer-reviewed academic journal articles.
5. Verbal Communication Skills - Graduates will be able to create environmental and civil engineering research questions, recommend appropriate methodologies, and justify related results both verbally and visually in an academic presentation or a public presentation.