

Graduate School Learning Outcomes

Department of Civil and Environmental Engineering
January 2021

GSLG #1: Understand, interpret, shape, and augment the knowledge base.

PLO #1: Students will demonstrate facility with methods of advanced engineering analysis and utilize these methods to solve complex civil engineering problems.

Satisfied by: Courses involving reading, review, and use of published literature and manuals of practice to understand the current state-of-the-art in engineering sub-disciplines; thesis or dissertation. Representative student work could be exams, class projects, theses or dissertations.

GSLG #2: Share disciplinary expertise openly, effectively, and accurately.

PLO #2: Students will demonstrate the ability to create professional-quality reports, engineering design projects, and/or presentations with significant technical content that address complex civil engineering systems.

Satisfied by: Classes with a design project that includes a report and/or presentation; thesis or dissertation. Representative student work would be class projects, theses or dissertations.

GSLG #3: Demonstrate responsible and ethical practice.

PLO #3: Students will apply engineering standards, codes, and methods used for the design of engineered systems and/or facilities that serve the public in a safe and sustainable manner.

Satisfied by: Classes with significant design, management, or policy content that incorporate codes and/or methodologies focused on sustainable infrastructure and environment. Representative student work could be exams and class projects.

GRADUATE COURSE-SPECIFIC OUTCOMES

Course	PLO #1	PLO #2	PLO #3
CIE 534		x	
CIE 537			x
CIE 540	x		
CIE 543	x		
CIE 544		x	x
CIE 545	x		
CIE 547			x

CIE 548		x	x
CIE 549	x		

Program Contact person: Bill Davids, Chair (email: william.davids@maine.edu)

Graduate School Learning Outcomes

Department of Civil and Environmental Engineering
December 2020

CIE 551	x		
CIE 552		x	x
CIE 553	x	x	
CIE 554	x	x	
CIE 555	x		
CIE 558	x		
CIE 559	x		
CIE 640	x		
CIE 644	x		x
CIE 647	x		x
CIE 648	x		
CIE 564	x	x	x
CIE 660	x		

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