

Learning Goal Category (LGC) #1: Knowledge and Scholarly Formation

Learning Goal 1: Our graduates will have knowledge of their engineering emphasis beyond the undergraduate level.

Learning Outcome 1A: Our students will demonstrate core competence by final exams or projects from successful completion of their graduate degree program.

LGC #2: Research and Methodological Skills Relevant to Field

Learning Goal 2: Our graduates will be able to conduct research in their engineering emphasis using appropriate methodology.

Learning Outcome 2A: Our students will provide a research paper or project in accordance with professional standards.

LGC #3: Communications Skills

Learning Goal 3: Our graduates will be able to communicate effectively in a professional context.

Learning Outcome 3A: Our students will demonstrate communication skills by presenting a written project or paper or defending their work verbally.

LGC #4: Leadership and Collaborative Skills

Learning Goal 4: Our graduates will be able to collaborate and show leadership at an appropriate level.

Learning Outcome 4A: Our students will demonstrate collaboration and leadership skills by class participation in research discussions and presentations with fellow students, their advisor, or in their courses.

LGC #5: Global Context Formation of the Field and Intercultural Competencies

Learning Goal 5: Our graduates will be able to provide a global context for their research comprehensible by other experts.

Learning Outcome 5A: Our students will demonstrate a global perspective through a literature survey appropriate to their research or coursework.