

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

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

Learning Outcome 1A: Our students will demonstrate core competence by final exams or projects from successful completion of three out of the four core chemical engineering courses: advanced thermodynamics, transport phenomena, advanced reaction engineering and advanced analysis.

## **LGC #2: Research and Methodological Skills Relevant to Field**

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

Learning Outcome 2A: Our students will complete a research-based thesis 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 thesis or project.

Learning Outcome 3B: Our students will make an oral presentation on their research project, either as part of their thesis defense or in any other professional context.

## **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 participation in research discussions and presentations with fellow students and their advisor.

## **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 in their theses or in an oral presentation.