Learning Objectives for the Sustainability Certificate

Learning objectives at the professional level include:

- Set sustainability-related goals and develop strategies to implement these goals
- Use and apply concepts related to sustainability including:
  - Life cycle thinking
  - Long term thinking and “shifting baselines”
  - Sustainability frameworks, e.g. the Triple Bottom Line
  - Embodied resources, including energy and water
  - Natural capital and biodiversity
  - Multiple stakeholder thinking
  - Climate change concepts
- Link events in time and space to perceive the connections among them, especially regarding sustainability
- Analyze human decisions on the basis of their impacts on natural ecosystems, e.g. marine and forest
- Apply energy, resource, demand, and technology knowledge to value generation and use
- Describe and interpret sustainability issues from local, regional, and global perspectives
- Give examples of how public policy influences decisions
- Understand climate change, adaptation, and mitigation to extent necessary to support analyses, design, and policy decisions

Learning objectives at the personal level include:

- Can identify, understand, and communicate with relevant stakeholders
- Can support better decision making
- Can develop a personal philosophy and approach to advancing sustainability through profession and lifestyle
- Can address personal strengths and weaknesses in communication, management, and leadership
- Can practice accountability of decisions and actions, and has ownership of the results
- Can form and lead cross-functional, multi-disciplinary teams
- Can work effectively across cultural, geographic, political, and organizational boundaries