UCR Indicators

Design

Identify design constraints and context
Define the nature of a problem
Formulate multiple design concepts to a provided problem
Analyze and compare design options
Effectively communicate solutions to a design problem
Evaluate technical and economic feasibility of design proposals
Apply codes and standards in solving a design problem
Document chosen ideas and calculations
Plan and schedule the implementation of chosen approach
Execute construction of a prototype

Communications

Discriminates from an unstructured non-technical explanation the key elements that determine a situation or problem
Constructs from the key elements of a problem an explanation both in a formal and informal way.
Critically evaluate information for authority, currency, and objectivity when reading/listening to new materials
Clearly identify key ideas of a text/speech during a session
Clearly write or speak ideas when given speech or written documents.
Prepare good quality diagrams/blueprints for general use within the profession

Lifelong learning

Analyze new trends in a specific context of the professional field
Identify self educational needs
Define an action plan in order to solve an identified need
Implement and execute the action plan
Share the applied and acquired knowledge in formal and informal spaces
Identify information needs
Create a conceptual map of key terms when determining information needs
Critically self-assess own work to identify areas for improvement