Appendix C
Progressions of Learning in Engineering (PLiE) Template

A. Content Area Indication Bar - Highlighted tile indicates the PLiE’s Content Area. Fundamental content areas are designated as blue. Technical content areas are designated as red.

B. Core Concept Indication Bar – Highlighted tile indicates the PLiE’s Core Concept focus.

C. Core Concept Overview

D. Columns for Sub-Concepts

E. Introductory Performance Task – Expected level of Core Concept understand for students entering high school.

F. Basic Level (1) - Denoting partial mastery of prerequisite knowledge and skills that are fundamental for proficient work.

G. Proficient Level (2) - Representing solid academic performance.

H. Advanced Level (3) - Demonstrating competency over challenging subject matter, including subject-matter knowledge, application of such knowledge to real-world situations, and analytical skills appropriate to the subject matter.

I. Core Concept Mastery Performance Task – Indicator of mastery understanding by applying core concept knowledge through engineering skillsets and habits of mind.