DRAFT – Master of Engineering Outcomes and Assessment Plan.

Proposed Outcomes

- Student understands and applies technical principles at level suitable for professional practice
- Student can articulate and apply sound management techniques to projects and teams
- Student communicates effectively

Proposed Assessment Plan

The MENG Program Director will coordinate with the faculty of each emphasis area to develop a single, flexible assignment that will be given to each student near the end of their program. Each department/program will decide which course or courses will include the assignment. The instructor will grade each assignment with a standard rubric and forward a copy of the assignment and the rubric to the ENMG Program Director each semester. The Program Director will meet with the program directors of each emphasis area to review the assignments/scores and develop program recommendations.

Ideas for the assignment: Self-reflective essay? A case study addressing both technical and management aspects? A SHORT technical article or report? Other???

Potential rubric for scoring

	(5) Mastery	(3) Proficient	(1) Needs development
Applies technical principles	Analysis and solutions are thorough and sound; commensurate with work of an experienced engineer; would require little oversight in professional practice.	Analysis and solutions contain minor errors or problems; commensurate with work of a starting engineer; practice would require some oversight in professional practice.	Analysis and solutions contain major errors or problems that render it inadmissible for professional practice.
Applies sound management techniques	Articulates or demonstrates a variety of professional level management practices; evidences ability to lead teams or organizations effectively.	Articulates or demonstrates sound management techniques to projects for individuals or small teams; ability to lead still developing	Articulates or practices unsound or ineffective management strategies; cannot distinguish sound from unsound practices; lacks ability to work on a team effectively.
Effective communication	Communication is clear, professionally phrased, and virtually free of grammatical errors.	Communication is understandable, but falls somewhat short in clarity, professional phrasing, or grammar.	Communication is unclearly written with frequent errors, or lacks professional style.