

**Graduate Assessment Rubric for the Master of Engineering**

This rubric documents outcomes assessment for our graduate program Master of Engineering (M.Eng./MAEG). It must be completed by the chair of the student’s faculty committee, in collaboration with the full committee, at the time of the master’s defense. Assessment is based on two products, (1) the student’s draft master’s report, and (2) the student’s oral presentation, including the slide deck.

	Below Proficient	Proficient	Above Proficient
Technical Ability • fundamentals • policy and methods • professional judgment	Student uncertain with principal concepts, unaware of relevant policy and methods, and unable to explain choices or judgments.	Student shows proficiency with principal concepts, awareness of relevant policy and methods, and reasoned choices and judgment.	Student shows mastery of principal concepts, fluency with relevant policies and methods, and rigorous basis for choices and judgment.
Communication Skills • focused • structured • persuasive	Student tentative, lengthy, and unfocused, lacking organization and structure, so presentation is hard to follow. Written products hampered by structural, grammar, or spelling errors. Oral defense shows lack of depth in topic.	Student minimizes unnecessary writing and speaking, using a general organization and structure, so presentation is comprehensible. Written products suitable for presentation at conference or in journal after editing. Oral defense shows comfort with topic.	Student is deliberate, concise, and focused, with clear and consistent organization and structure, so presentation is persuasive. Written products ready for presentation at conference or in refereed journal. Fluent debate in oral defense.
Scholarly Achievement • original idea • contextualized • conclusions valid	Student struggles to explain idea, which lacks context to the technical literature. Methods have limited applicability, so conclusions are not clearly supported.	Student presents a worthwhile idea and cites the relevant technical literature. The methods are generally appropriate, and the conclusions are reasonably sound.	Student articulates an original idea that is presented in the context of the relevant technical literature. The methods are appropriate, so the conclusions are valid.

COMMENTS

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Overall Rating: Pass Pass with Conditions Fail