



Chemical Engineering Masters Degree Outcomes Assessment Rubric

To be completed by committee chair in consultation with exam committee.

Student: _____ Degree program/concentration: _____

Date: _____

Outcome	Unacceptable (1)	Marginal (2)	Acceptable (3)	Exceptional (4)	Rating
1) Knowledge of Chemical Engineering fundamentals appropriate for discipline and specialization	No evidence of Masters level fundamental knowledge of Chemical Engineering.	Rudimentary knowledge of Chemical Engineering exhibited in written document and/or oral presentation.	Knowledge of fundamentals of Chemical Engineering evident in written and/or oral presentation.	Demonstrates mastery of appropriate fundamentals of Chemical Engineering for the discipline.	
2) Ability to communicate effectively in oral and/or written form	Document poorly written; and/or poorly organized oral presentation.	Document mostly clearly written. Presented main points clearly; and/or oral presentation mostly clear and well-organized.	Well written and well organized document; and/or good job of organizing talk and well presented oral report.	Excellent job of writing and organizing document and discussion of results; and/or excellent job of organizing and presenting oral report.	
3) Ability to critically assess or apply information in Chemical Engineering and specialization	Rudimentary review or application of disciplinary information.	Some review or application of disciplinary information, but little critical evaluation.	Comprehensive review or application of disciplinary information with evidence of critical thinking about further needs for research or study in this area.	Extensive review or application of disciplinary information with critical evaluation comparable to a review article in literature; or knowledge comparable to that of an experienced practitioner in Chemical Engineering.	
Overall Assessment	Unacceptable (1)	Marginal (2)	Acceptable (3)	Exceptional (4)	

Comments (use back if necessary):

What curricular or process changes can you suggest to improve student performance in these areas (use back if necessary)?

Form to be sent to department grad committee and SoE Associate Dean for Academics.