

## Academic Assessment Report - AY 2013-2014

College, School/Department, Name of Program: NJCSTM Instruction and Curriculum

### Program SLOs:

*(List Program SLOs)*

SLO1: (Critical Thinking) Graduates will be professionals in math education or science education with both highly developed practical and critical thinking skills with the potential to further their professional development. (KU1, KU2) (GE S4)

SLO2: (Content Knowledge and Leadership) Graduates will be future teacher-leaders that are sought after by school districts, and who will comprehend their role in society as well as the role of scientist-researchers who are their counterparts. (KU 1, KU2, KU3, KU4) (GE S1, S2, S3, S4, S5, V1, V2, V3, V4, V5)

SLO3: (Pedagogical Knowledge) Graduates will articulate that all learners are unique, and that different methods of pedagogy must be employed in their classrooms to enable all learners to learn. (KU 1, KU2, KU3, KU4) (GE K2, S2, S4, V4)

SLO4: (Communication) Graduates will be able to verbally express themselves and communicate scientific comprehension and knowledge in both formal oral presentations and in written format clearly, concisely and accurately. (KU1) (GE K1, K2, S1, S2, S5, V4)

SLO5: (Standards) Graduates will demonstrate the role of national, state and local standards in math and science education, and how those standards are actualized within their individual classrooms. (KU1, KU2, KU4)

<b>Program Level Student Learning Outcomes</b> <i>(Add rows for additional SLOs)</i>	<b>Assessment Measure(s)</b> <i>(Add rows if necessary)</i>	<b>Assessment Criteria</b> <i>(Describe how data is collected--rubric, survey, etc.)</i>	<b>Results of Assessment</b> <i>(Specific to Data Collected)</i>	<b>Action Taken</b> <i>(Closing the Loop: New action or follow up from last Assessment Report)</i>
<b>SLO #1 (Critical Thinking)</b>	Direct Measure 1:	STME 1603 Lab Practical SWR (Scored With Rubric)		
	Direct Measure 2:	STME 4610 Oral Presentation SWR		
	Direct Measure 3:	STME 4610 GRE general exam score		
	Indirect Measure:	Graduating Student Survey		
<b>SLO #2 (Content Knowledge and Leadership)</b>	Direct Measure 1:	STME 3610 Praxis I scores		
	Direct Measure 2:	STME 3610 Poster presentation SWR		
	Direct Measure 3:	STME 4610 Praxis II content exam score		
	Direct Measure 4:	EMSE 5564 Graduate Comprehensive Exam SWR		
	Indirect Measure 1:	Graduating Student Survey		

	Indirect Measure 2:	Alumni Survey		
<b>SLO #3 (Pedagogical Knowledge)</b>	Direct Measure 1:	EMSE 3220/3230 (3220 Mini TW, 3230 sample lesson and lesson plan) SWR		
	Direct Measure 2:	EMSE 5031 Paper SWR		
	Direct Measure 3:	EMSE 5564 Student Teaching Evaluation		
	Direct Measure 4:	EMSE 5564 Graduate Comprehensive Exam SWR		
	Indirect Measure:	Graduating Student Survey		
<b>SLO #4 (Communication)</b>	Direct Measure 1:	GE 2024 Oral and Written Presentation SWR		
	Direct Measure 2:	STME 3610 Poster Presentation SWR		
	Direct Measure 3:	STME 4610 Oral Presentation SWR		
	Indirect Measure:	Graduating Student Survey		

<b>SLO #5 (Standards)</b>	Direct Measure 1:	EMSE 3220/3230 Paper SWR		
	Direct Measure 2:	STME 4610 Presentation SWR		
	Direct Measure 3:	EMSE 5031 Paper SWR		
	Indirect Measure:	Graduating Student Survey		