

M.S. in STEM Education (2023-2024 Bulletin At-a-Glance)

University of Southern Mississippi – Center for STEM Education

Application Requirements:

- A résumé or curriculum vitae
- Three letters of recommendation from people qualified to assess the applicant’s readiness for graduate study
- A one to two-page statement of purpose that depicts the applicant’s teaching experience (e.g., philosophy, methods, assessment experience) and professional interests.

Full-time MS Student (2-Year Path)

2023-2024	Fall	Spring
	<ul style="list-style-type: none"> • SME 703 - Foundations of STEM Education (3hrs) • Choose 1 content-area class (3hrs): <ul style="list-style-type: none"> ○ SME 795 (Research in Science Education) ○ SME 720 (Research in Mathematics Education) • Elective in an emphasis area¹ (3hrs) 	<ul style="list-style-type: none"> • SME 701 - Issues in STEM Education (3hrs) • Choose 1 Content-area class (3hrs): <ul style="list-style-type: none"> ○ SME 700 (Science Curriculum in Public Schools) ○ SME 720 (Mathematics Curriculum in Public Schools) • Elective in an emphasis area (3hrs)
18hrs	Total Hours = 9hrs	Total Hours = 9hrs
2024-2025	Fall	Spring
	<ul style="list-style-type: none"> • Choose 1 Research Methods Class (3hrs): <ul style="list-style-type: none"> ○ SME 691 (Intro to Action Research) ○ SME 761 (Qual 1) ○ SME 763 (Quant 1) • Elective in an emphasis area (3hrs) • Elective in an emphasis area (3hrs) 	<ul style="list-style-type: none"> • Choose 1 Research Methods Class (3hrs): <ul style="list-style-type: none"> ○ SME 691 (Action Research Practicum) ○ SME 762 (Qual 2) ○ SME 763 (Quant 2) • Elective in an emphasis area (3hrs) • SME 789 - Seminar in STEM Education (1hr) • SME 698 - Thesis Research (2hrs)
18hrs	Total Hours = 9hrs	Total Hours = 9hrs
36 hrs		

¹ SME, BSC, BEE, CHE, PSY, COS, CS, CSC, CSS, ESC, GHY, GLY, COA, HYD, MAR, MAT, PHY, PSE, CIE, SOC, ANT, PHI, WGS, and/or DPH

Full-time MS Student (1-Year Path)

2023-2024	Fall	Summer	Spring
	<ul style="list-style-type: none"> • SME 703 - Foundations of STEM Education (3hrs) • Choose 1 content-area class (3hrs): <ul style="list-style-type: none"> ○ SME 795 (Research in Science Education) ○ SME 720 (Research in Mathematics Education) • Elective in an emphasis area (3hrs) • Choose 1 Research Methods Class (3hrs): <ul style="list-style-type: none"> ○ SME 691 (Intro to Action Research) ○ SME 761 (Qual 1) ○ SME 763 (Quant 1) • SME 789 - Seminar in STEM Education (1hr) 	<ul style="list-style-type: none"> • Elective (3hrs) • Elective (3hrs) • Elective (3hrs) • SME 698 - Thesis Research (1hr) 	<ul style="list-style-type: none"> • SME 701 - Issues in STEM Education (3hrs) • Choose 1 Content-area class (3hrs): <ul style="list-style-type: none"> ○ SME 700 (Science Curriculum in Public Schools) ○ SME 720 (Mathematics Curriculum in Public Schools) • Elective in an emphasis area (3hrs) • Choose 1 Research Methods Class (3hrs): <ul style="list-style-type: none"> ○ SME 691 (Action Research Practicum) ○ SME 762 (Qual 2) ○ SME 763 (Quant 2) • SME 698 - Thesis Research (1hr)
36 hrs	Total Hours = 13hrs	Total Hours = 10hrs	Total Hours = 13hrs

Part-time MS Student (2-Year Path)

2023-2024	Fall	Summer	Spring
	<ul style="list-style-type: none"> • SME 703 - Foundations of STEM Education (3hrs) • Choose 1 content-area class (3hrs): <ul style="list-style-type: none"> ○ SME 795 (Research in Science Education) ○ SME 720 (Research in Mathematics Education) 	<ul style="list-style-type: none"> • Elective (3hrs) • Elective (3hrs) 	<ul style="list-style-type: none"> • SME 701 - Issues in STEM Education (3hrs) • Choose 1 Content-area class (3hrs): <ul style="list-style-type: none"> ○ SME 700 (Science Curriculum in Public Schools) ○ SME 720 (Mathematics Curriculum in Public Schools)
18hrs	Total Hours = 6hrs	Total Hours = 6hrs	Total Hours = 6hrs
2024-2025	Fall	Summer	Spring
	<ul style="list-style-type: none"> • Choose 1 Research Methods Class (3hrs): <ul style="list-style-type: none"> ○ SME 691 (Intro to Action Research) ○ SME 761 (Qual 1) ○ SME 763 (Quant 1) • Elective in an emphasis area (3hrs) 	<ul style="list-style-type: none"> • Elective (3hrs) • Elective (3hrs) 	<ul style="list-style-type: none"> • Choose 1 Research Methods Class (3hrs): <ul style="list-style-type: none"> ○ SME 691 (Action Research Practicum) ○ SME 762 (Qual 2) ○ SME 763 (Quant 2) • SME 789 - Seminar in STEM Education (1hr) • SME 698 - Thesis Research (2hrs)
18hrs	Total Hours = 6hrs	6hrs	Total Hours = 6hrs
36 hrs			