



Medical Scholar Research Pathway Program (MSRPP) Medical Scholar Explorer –small group team

The Medical Scholar Explorer (MSE) pathway is a voluntary research experience that will enhance students' medical school education and professional development. Students wishing to participate in the non-credit MSE program at the end of their M1 year, will use their administrative time to devote to the MSE pathway. For students wishing to participate in MSE pathway during their M2, M3 or M4 years their participation will count for elective credit if they are matriculated students in COM.

The MSE pathway allows applications from small groups of no more than 5 students pending prior approval by the Office of Medical Student Research.

Students who wish to participate should plan to submit this MSE form to the Office of Medical Student Research at least **2 weeks** before the start date of their program. Once a research mentor has been identified, with the assistance of our Office career coaching and mentoring services, students will complete the appropriate trainings (biosafety, animal use protocol or human subject research) and submit documentation to the Office of Medical Student Research at least **1 week** before the scheduled MSE start date. Send the signed MSE form to COM-MD-Research@medicine.tamhsc.edu with a copy to the Director of Medical student research, Dr. Gloria Conover gconover@tamu.edu.

Note that evaluation forms via a survey must be submitted to our Office **1 month** after you complete your pathway program in order to assess whether the program goals were achieved.

Students participation in MSE program will be recognized in their Dean's letter and MSRPP medical students are invited to submit a MSRPP Travel Award application on accepted poster or oral talks to present at professional meetings, provided that they meet the eligibility criteria.

Instructions:

- 1) Medical students must complete a MSE team form to be considered for admission into the MSRPP.
- 2) The form will be reviewed by the Office of Medical Student Research and students and mentors will receive feedback if additional information is missing or needs to be revised.
- 3) Medical students and their mentors will be notified if their project was accepted to the MSRPP.
- 4) Students and mentors will work with the Office of Medical Student Research to provide a narrative of the research proposal to post on the MSRPP website.
- 5) Once the project is approved, medical students will complete the specific trainings required prior to initiation of the pathway.



Table 1: Site for Medical Scholar Explorer Research Pathway Program

Please list the name of each medical student participating in the team MSE pathway. Also list the appropriate institution, hospital, clinical and location you will conduct your small group team MSE.

Student 1 Name:		Student UIN:		Class Year:	YYYY		
Student 2 Name:		Student UIN:		Class Year:	YYYY		
Student 3 Name:		Student UIN:		Class Year:	YYYY		
Student 4 Name:		Student UIN:		Class Year:	YYYY		
Submission Date:	MM	DD	YYYY	Processing Date [to be completed by our Office]	MM	DD	YYYY
Research topic area:							
TAMHSC campus:		Affiliated TAMHSC site:		Other institution			
Location:	City	State	Country				
Research mentor 1:	Job title:						
	Department:						
	e-mail:						
Research mentor 2:	Job title:						
	Department:						
	e-mail:						
Comments							



Table 2: Research Time and Effort for Medical Scholar Explorer Pathway Program

Note that each medical student needs to track the hours devoted to scholarly research and submit the completed tally to our Office by **2 weeks** after the last day of the team MSE pathway. For a longitudinal research project, if appropriate, provide an addendum specifying the time devoted to research week by week. Each student must indicate their anticipated contribution to the team MSE research project.

		Projected Research Time		Actual Research Time	
Student 1 Name :		Student UIN:		Class Year:	YYYY
Start date [MM, DD, YYYY]					
End date [MM, DD, YYYY]					
Week 1 [# h / date]					
Week 2 [# h / date]					
Week 3 [# h / date]					
Week 4 [# h / date]					
Week 5 [# h / date]					
Week 6 [# h / date]					
Week 7 [# h / date]					
Week 8 [# h / date]					
Additional time and effort [# h / date]					



Table 2: Research Time and Effort for Medical Scholar Explorer Pathway Program (continued)

Each student must indicate their anticipated contribution to the team MSE research project.

		Projected Research Time		Actual Research Time	
Student 2 Name :		Student UIN:		Class Year:	YYYY
Start date [MM, DD, YYYY]					
End date [MM, DD, YYYY]					
Week 1 [# h / date]					
Week 2 [# h / date]					
Week 3 [# h / date]					
Week 4 [# h / date]					
Week 5 [# h / date]					
Week 6 [# h / date]					
Week 7 [# h / date]					
Week 8 [# h / date]					
Additional time and effort [# h / date]					



Table 2: Research Time and Effort for Medical Scholar Explorer Pathway Program (continued)

Each student must indicate their anticipated contribution to the team MSE research project.

		Projected Research Time		Actual Research Time	
Student 3 Name :		Student UIN:		Class Year:	YYYY
Start date [MM, DD, YYYY]					
End date [MM, DD, YYYY]					
Week 1 [# h / date]					
Week 2 [# h / date]					
Week 3 [# h / date]					
Week 4 [# h / date]					
Week 5 [# h / date]					
Week 6 [# h / date]					
Week 7 [# h / date]					
Week 8 [# h / date]					
Additional time and effort [# h / date]					



Table 2: Research Time and Effort for Medical Scholar Explorer Pathway Program (continued)

Each student must indicate their anticipated contribution to the team MSE research project.

		Projected Research Time		Actual Research Time	
Student 4 Name :		Student UIN:		Class Year:	YYYY
Start date [MM, DD, YYYY]					
End date [MM, DD, YYYY]					
Week 1 [# h / date]					
Week 2 [# h / date]					
Week 3 [# h / date]					
Week 4 [# h / date]					
Week 5 [# h / date]					
Week 6 [# h / date]					
Week 7 [# h / date]					
Week 8 [# h / date]					
Additional time and effort [# h / date]					



Table 3: Educational Goals and Objectives for Medical Scholar Explorer Pathway Program

Note that the information required should be filled out in collaboration between the research mentor and the medical students once they have delineated and carefully planned the team MSE project. At a minimum, 1 teaching goal and 1 learning goal must be specified for a team MSE form to be considered for review by the Office of Medical Student Research.

	Medical Scholar Explorer Project Goals and Objectives
Short-term Teaching Goal 1 [To be filled by mentor]	
Long-term Teaching Goal 2 [To be filled by mentor]	
Long-term Teaching Goal 3 [To be filled by mentor]	
Short-term Learning Objective 1 [To be filled by student]	
Short-term Learning Objective 2 [To be filled by student]	
Long-term Learning Objective 3 [To be filled by student]	
Comments	



Table 4: Research Outcomes and Deliverables Plans for Medical Scholar Explorer Pathway Program

Please choose the appropriate deliverable and provide the information requested. In addition, if appropriate please identify a conference or other professional venue you anticipate you plan to present your research (in the last row of Table 4).

	Outcome (check as appropriate)	Narrative (list title if applicable)	Timeline (list estimated completion date)
Research skill 1 [Short-term]			
Research skill 2 [Long-term]			
Oral research presentation* [invited talk length, specify venue]			
Presentation of poster paper [Specify venue]			
Capstone research written project			
Co-authorship in a peer-reviewed publication [Specify journal]			
Clinical case report [Specify journal]			
Case-control cohort population studies [Specify disease or population]			
Health quality improvement studies [Specify disease or population]			
Meta-analysis literature review [Specify disease or population]			
*Conference URL			



Medical Scholar Explorer Research Plans Abstract

Provide a synopsis of your planned research project. Depending your project's research scope, this description needs to include a synopsis of the disease, clinical symptoms, diagnosis criteria, current treatment options. If appropriate, provide a working hypothesis, the project broader goal(s), and/or a specific description of the unmet health needs. The anticipated impact of the study on the community can also be included if appropriate. Please limit your project narrative to no more than 400 words.



Projected Timeline for Medical Scholar Explorer Pathway Program

Provide a flow chart or list describing the planned research activities for each week of the team MSE pathway. An addendum to this form is recommended for a longitudinal team MSE proposals.



Medical Scholar Explorer Pathway Registration Signatures

To formalize your Medical Scholar Explorer Pathway Program with our Office please collect the required signatures below. Please note that the Medical Student Research Office will document and evaluate the research outcomes of each medical student research dossier and will provide documentation to the Office of Academic Affairs for eRVU credit consideration as well as narrative for the medical student Dean's letter narrative as requested by the Office of Student Affairs.

	Name	Signature
Medical Student		
Principal investigator		
Research Mentor (if different from Principal investigator)		
College Dean (if there is no department head)		
Department Head		
Clerkship director		
Comments		

Medical Scholar Explorer Pathway Assessment Plans

At the end of the MSE pathway the principal investigator in collaboration with the research mentor will write a short report describing the student performance and research long-term plans. Submit your report to COM-MD-Research@medicine.tamhsc.edu no longer than **1 month** after completion of the MSE pathway. In addition, the Office of Medical Student Research will survey the research mentor and medical student to improve future research experiences. Follow-up meeting with the Director of Medical Student Research, Dr. Gloria Conover (gconover@tamu.edu) with the faculty mentor and the medical student will evaluate if research expectations from each party were achieved or need improvement.