

CLINICAL SCIENTIST TRAINING (CST)

CST 740: Clinician Scientist I

1 Credits

This course is required of Penn State College of Medicine students who are in the Clinician Scientist Pathway. A student must plan and carry out a research project in which the student makes significant contributions to data collection, analysis, and preparation of a research project and reports on research in progress. Students may choose to perform research in any health-related area, including basic science, clinical science, systems science, humanities, medical education or social sciences research. As a prerequisite for this course, students must have been accepted into the Clinician Scientist Pathway. As part of the criteria for acceptance, students must complete a preliminary research proposal which is reviewed by the Director for Medical Student Research and the student's research mentor. During the Clinician Scientist-1 course, the student will work with a mentor to develop a final research proposal that is specific and attainable in the time specified. The final proposal will include a concise statement of the research question, background and significance which includes an extensive literature review, methods, and a statement of student and mentor responsibilities. Students will also provide two concise research updates, one mid-course and one at end of course, to report on their research in progress.

Prerequisite: Completion of all Phase II requirements, and Step 1. Completion of a preliminary research proposal and acceptance into the Clinician Scientist Pathway.

CST 741: Clinician Scientist II

1 Credits

This course is required of Penn State College of Medicine students who are in the Clinician Scientist Pathway. A student must carry out and document a research project in which the student makes significant contributions to data collection, analysis, and manuscript preparation. The student will write a report that must be approved by their mentor and the Director of Medical Student Research to ensure that the student's research efforts were consequential.

Prerequisite: Completion of all Phase II requirements, USMLE Step 1, and Clinician Scientist I.