

Research Certificate Requirements (check when completed)

1. Demonstrate understanding of concepts fundamental to scientific field of interest as evidenced by the ability to identify, summarize and discuss relevant literature.

- Embedded test questions on assessments from HHS 454
- Faculty evaluation of performance on contract activities from HHS 455 (Minimum 1)
 - Oral Presentation
 - Poster preparation/presentation
 - Manuscript development [use General Assignment Rubric]
 - Literature review

2. Discuss and apply the ethical components of scientific research to current projects(s).

- Embedded test questions on assessments from HHS 454
- Successful completion of web-based training in research ethics education (Check all that apply)
 - Human subjects
 - Animal care and use
 - Lab safety
 - Demonstrated knowledge of ethics in scientific research and publishing (Must Complete ALL)
 - Required readings completed
 - Discussion points via reflective journaling given to mentor
 - Conference with mentor completed/ results graded

3. Demonstrate advanced knowledge of the scientific process in respective scientific field of interest.

- Faculty evaluation of performance on contract activities from HHS 455
- Participation in the mentor’s lab group/journal club AND/OR
- IRB preparation and submission [use General Assignment Rubric]
- Other activity _____
- AND
- Satisfactory completion of mentor discussion (student prepared two-three written statements regarding how information from cross-disciplinary coursework contributed to their specific research experience)
- AND (Check all that Apply
- Participation in CHS Community of Undergraduate Research Scholars AND/OR
- Work presented at CHS Research Day/CCTS

4. Successful completion of program assessment via email link.

5. Additional achievements documented by Mentor: _____

Mentor

Certificate Director