

## FSHN Graduate Program: Responsible Conduct of Research (RCR) Plans

Tracked automatically in SABA (CITI modules) =

Tracked by department in GradInfo (other)=

### YEAR 1. ALL GRADUATE STUDENTS

1. Introduction to RCR during annual new graduate student orientation
2. Students associated with projects involving human subject and/or animals **must complete the Michigan State University training modules for:**
  - Human subject protection
  - or
  - Laboratory animal welfare**before submitting IRB or IACUC approvals:**
3. Completion of all of the following CITI (Collaborative Institutional training Initiative) modules <https://www.citiprogram.org>:
  - Introduction to the responsible conduct of research
  - Authorship
  - Plagiarism
  - Research misconduct

Completion tracked in SABA

### PLUS: Six (6 hrs) discussion- based training by completion of the degree

- 1) Participate in:
  - Two (2) Graduate School workshop series on Responsible Conduct of Research series (excluding animal and human welfare) (3 hrs)

Or, participate in:

- Fall Semester Faculty-led Departmental discussion based seminar (1.5 hr)
- Spring Semester Faculty-led Departmental discussion based seminar (1.5 hr)

To cover topics and discussion on: Research integrity/misconduct, mentoring, data acquisition and ownership, data sharing, conflict of interest, collaborative science, scientist as a responsible member of society, contemporary ethical issues in biomedical research, the environmental and societal impacts of scientific research

**2) Individual and lab discussion-based meeting with the faculty advisor (3hrs)**

Reading assigned by the advisor, then meeting with individuals to discuss data management, responsible lab practices, publication practices, authorship, peer review

Recorded by the department in GradInfo as “Initial ” training

**YEAR 2. MS PLAN A & PhD STUDENTS**

**Complete three (3) additional CITI modules <https://www.citiprogram.org>:**

- Collaborative research
- Conflict of interest
- Financial responsibility
- Mentoring
- Peer review
- Rigor and Reproducibility
- IACUC tutorial for animal care training
- Human research protection/IRB certification

Completion tracked in SABA

**YEAR 3 FORWARD . PhD STUDENTS:**

**Annual refresher training (3 hrs) of the following:**

- CITI modules beyond the 7 above
- Participate in graduate school workshop series on Responsible Conduct of Research series (excluding animal and human welfare)
- Participate in faculty –led departmental discussion based workshop
- Individual and lab-discussion based meeting with the faculty advisor

Recorded by the department in GradInfo as “Annual” training

**Students who are supported by NSF, NIH, or USDA grants may be required to complete additional specific training; they must meet the timeline and the content requirements of training for that grant. Please consult with the PI of the particular grant.**

**\*\*Research advisors are responsible in advising graduate students in meeting the RCR requirements\*\***