NOTE: these slides discuss the “NEW” RCR requirements for MSU Engineering students who began their first graduate degree in Spring 2017 or later.

If you started your graduate program in Fall 2016 or earlier, please see the “OLD” requirements instead.

Research Ethics

* What is Responsible Conduct of Research (RCR)?
  * Acting with honesty, fairness, accuracy, objectivity

* Why is it important to society?

* Why is it important to you, as a graduate student?

* Why is it important for your research mentor(s)?

Adapted from the MSU College of Engineering’s Overview of RCR, June/September 2014.
New RCR Requirements
(for College of Engineering graduate students starting on or after January 1, 2017)

Master’s Degree “Plan B” (Non-Thesis)
* “First Year Requirements”
* “Discussion-Based Training”

Master’s Degree “Plan A” (Thesis)
* “First Year Requirements”
* “Second Year Requirements”
* “Discussion-Based Training”

Doctoral Degree
* “First Year Requirements”
* “Second Year Requirements”
* “Discussion-Based Training”
* “Annual Refresher Training”

“First Year” Requirements

* Complete the following 4 modules at citiprogram.org
  * Introduction to the Responsible Conduct of Research
  * Authorship
  * Plagiarism
  * Research Misconduct
* Due by December 31 of the current year
“Second Year” Requirements

- Complete 3 online modules from the following list:
  - Collaborative Research (citiprogram.org)
  - Conflicts of Interest (citiprogram.org)
  - Data Management (citiprogram.org)
  - Financial Responsibility (citiprogram.org)
  - Mentoring (citiprogram.org)
  - Peer Review (citiprogram.org)
  - IACUC Tutorial for Animal Care Training (http://train.ORA.msu.edu)
  - Human Research Protection/IRB Certification (http://train.ORA.msu.edu)
  - Rigor and Reproducibility Course (in production)
- Due by your **second** December 31 at MSU

“Discussion-Based” Training

- Complete a **minimum of 6 hours** of discussion-based training
  - May be completed at any point, including during the first two years
  - **Complete this requirement early** to avoid delays in graduation
- A variety of discussion-based training options are available at MSU
  - RCR workshops offered by the Graduate School
  - Some seminars offered by the College of Engineering
  - Some coursework offered within departments
  - Individual or group conversations about RCR with research advisor(s)
- Check your graduate handbook for department-specific expectations for the “Discussion-Based Training” requirements
  - If a department does not list specific “Discussion-Based Training” requirements in its graduate handbook(s), then students in that department may select any discussion-based RCR training that is **approved by their research adviser**
Starting on January 1 of their third year of graduate studies, all PhD students must complete 3 hours of RCR training each year.

Annual refresher training may be online or discussion-based

- If you choose discussion based training, you MAY “double count” the same training for both annual refresher requirements and part of the 6 hours of discussion-based training required prior to graduation
- If you choose online training, you must complete modules beyond the 7 that are specified in years 1 and 2

This annual refresher training must be completed between January 1 and December 31 each year, starting in the third year of the PhD student’s program.

NEW RCR (Responsible Conduct of Research) Graduate Training Requirements
(Michigan State University College of Engineering graduate students starting January 1, 2017 or later)

Is this your first year of graduate studies?
- Yes Complete “First Year Requirements” online by December 31
- No

Is this your second year of graduate studies?
- Yes Complete “Second Year Requirements” online by December 31
- No

Are you a PhD student?
- Yes Complete the “Annual Refresher Training”
- No

Are you a MS “Plan B” (non-thesis) student?
- Yes Complete “Annual Refresher Training”
- No

Have you completed a minimum of 6 hours of “Discussion-Based Training”?
- Yes Complete some or all of the “Discussion-Based Training” Requirements
- No

Have you logged all of your RCR training hours online at www.egr.msu.edu/rcr?
- Yes Congratulations! You’re done with RCR training until next year. Remember that you must complete training each calendar year (January 1 through December 31). Failure to complete and log your training will result in a hold being placed on your account.
- No