



At least 6 hours of coursework is required from these 4 core classes:

- Epidemiology (THSS 720, 4 hours)
- Clinical Trial Methods (THSS 742, 3 hours)
- Translational Research Methods I (THSS 748, 2 hours)
- Translational Research Methods II (THSS 749, 3 hours)

At least 9 hours of coursework is required from the courses above or from these courses:

- Scientific Writing for Papers and Proposals (THSS 740, 2 hours)
- Research Grant Preparation (THSS 741, 1 hour)
- Introduction to Biomedical Informatics (THSS 731, 2 hours)
- Principles of Implementation Science (THSS 736, 2 hours)
- Ethics and Responsibility in THSS I and II (THSS 703 and 704, 2 hours; 1 hour across 2 terms)*
- Introduction to Biostatistics (THSS 730, 4 hours)**
- Statistical Modeling (THSS 732, 4 hours)**

* All certificate students will be required to take the THSS ethics sequence (THSS 703 & 704) or to demonstrate satisfactory prior completion of equivalent coursework, as determined by the course directors in consultation with the program directors. All certificate students must also complete CITI certification during the first 2 semesters or provide a current CITI completion certificate.

**Participants entering the certificate program must enroll in one of the THSS statistics courses (730 or 732) or provide evidence of successful completion (A or B) of at least one graduate-level statistics course. Other THSS courses may be pursued as elective credits. Students should consult with the program directors for course choices.