**COMPLETE**
Graduate Certificate in Clinical Research Practice (15 credits total)

- Required (15 credits)
  - HSCI 6263: Biostatistics for CTR (3)
  - HSCI 6264: Epidemiology for CTR (3)
  - CTS 6246: CTR Capstone Project (3)
  - CTS 6203: Ethical Legal Issues in CTR (1)
  - CTS 6202: Research Methods for CTR (2)
  - CTS 6205: Clinical Trial Investigation (3)

(no electives of choice)

**ADD CLASSES AND EARN**
MS in Clinical & Translational Research (36 credits total)

- Required (18 credits):
  - CTS 6201: Critical Analysis Clinical Research (3)
  - CTS 6273: Bioinformatics for Genomics (3)
  - CTS 6261: Foundations in CTR (3)
  - CTS 6265: Grants CTR (3) or CTS 6266 Grantwriting Indiv (3)
  - CTS 6275: Transdisc. Research Proposal (3)
  - CTS 6285: Collaboration and Team Science (3)

- Plus Choice of One Elective:
  - RAFF 6201: Introduction to Global Regulatory Affairs
  - RAFF 6202: Regulatory Strategy in the Drugs and Biologics
  - RAFF 6203: Regulatory Strategy in the Devices and Diagnostics
  - RAFF 6204: Clinical Research for Regulatory Affairs
  - RAFF 6205: Regulatory Compliance
  - CRA 6202: Medicines Development
  - CRA 6203: Partnerships with Human Subjects
  - CRA 6204: The Clinical Research Industry
  - CRA 6209: Quality and Risk Management
  - INFR 6101: Princ Biomedical Informatics