

M.S. in Clinical Translational Sciences

Sample Curriculum for Tucson Students:

Required Courses*

- Principles:
 - **Fundamentals of Clinical Translational Science (CTS 500)** – 4 units, offered every other Spring semester; OR
 - **Molecular, Cellular and Cancer Biology (CTS 555A)** – 6 units, offered Fall semester; OR
 - **Principles of Clinical Research I and/or II (CTS 501 and/or CTS 502)** – 4 units each, offered Fall and Spring semester; OR
 - **Principles of Surgery or Principles of Medicine (CTS 610 or CTS 620A/B/C)** – 3-6 units, any semester [for postgraduate students].
- Professional Development Series - minimum 4 units, including:
 - **Responsible Conduct of Research (CTS 595C)** – 1 unit/semester; taken in one Fall and one Spring semester [required].And an additional 2 units chosen from:
 - **Individualized Scientific Writing (CTS 585)** – 2 units, any semester by request to CTS; OR
 - **Professional & Career Training Series (CTS 595D)** – 2 units, offered Fall semester [for post-baccalaureate students];
 - Or similar courses in other departments by prior approval of the CTS program.
- Biostatistics:
 - **Biostatistics in Public Health (BIOS 576A)** – 3 units, offered in-person in Fall semester and fully online in Spring semester
- Seminar and/or journal club – 2 units total (1 unit per enrollment; 2 total enrollments), including any of the following:
 - Students may take the **CTS Biomedical Sciences Seminar (CTS 696B)**, **Neuroscience Research in Progress Seminar (CTS 696N)** or any other regularly scheduled graduate seminar course in a department relevant to the student's research interests. *Students may earn credit in CTS 696A by request to CTS for attendance at relevant grand rounds series in a clinical department.***
 - Students may take any topic-specific section of the **CTS Biomedical Sciences Journal Colloquium (CTS 595)** offered as available in either Fall or Spring semester. or any other regularly scheduled graduate journal club/colloquium course in a department relevant to the student's research interests in which remote participation from Phoenix is allowed. *Postgraduate students may earn credit in CTS 595 for participation in clinical case conferences or a clinical department journal club.***
- **Thesis (CTS 910)** – 6 units

* May substitute other courses with CTS approval with the exception of CTS 910.

** Seminar or journal club credit toward M.S. for activities other than CTS courses requires prior approval from CTS. Note that enrollment in the CTS Student Seminar (CTS 696S) does not count toward the required seminar/journal club enrollments, as it is focused on improving presentation skills rather than exposure to cutting-edge translational science.

Elective Options

Students may use any graduate courses approved by their faculty mentor and CTS as electives to meet the remaining M.S. unit requirements.