Sample curricula:

**Required courses for Post-baccalaureate students:**
- Advanced Molecular and Cellular Biology (CTS 555), 6 units, or
- Professional Development series (minimum 2 units)
  - Responsible Conduct of Research (CTS 595C); 2 units, and
  - Individualized Scientific Writing (CTS 585), 2 units, or
  - Project Management and Business Entrepreneurship, 2 units
- Biostatistics (EPID 576A), 3 units. Other course syllabi may be considered by the Program Committee for approval.
- Medical Sciences Seminar (CTS 696A); or Biomedical Sciences Seminar (CTS 696B), 1 unit/semester, min 2 semesters. Credit for attending relevant departmental seminars can be obtained in any specialty participating in the CTS Program. A minimum of 2 units of credit derived from seminar programs is required. The dissertation defense can be presented in one of these seminar series with permission of the seminar coordinators.
- Thesis research (CTS 910), 6 units

**Elective options:**
- Human Systems Neuroscience (CTS 556), 3 units, or similar
- Developmental Neurobiology (NEU 557), 4 units
- Advanced Molecular and Cellular Biology 2 (CTS 560), 3 units
- Molecular Mechanisms of Human Disease, 3 units
- Biomedical Imaging, 2 units
- Fundamentals of Cardiovascular Hematology (MEDP 620), 3 units
- Oncology and Cancer Biology, 3 units
- Fluid Dynamics in Biological Systems, 2 units
- Genomic Medicine, 2 units
- Neuropharmacology (PHCL 553), 3 units
- Biomedical Sciences Journal Colloquium (CTS 595) and/or Clinical Case Conferences

**Required courses for Postgraduate students:**
- Principles of Clinical Sciences (CTS 610); 2 semesters, or similar
- Professional Development series (minimum 4 units)
  - Responsible Conduct of Research (CTS 595C); 2 units, and
  - Scientific Writing, Presentation and Bioethics (PS 595b); 2 units, or
  - Individualized Scientific Writing (CTS 585), 2 units, or
  - Project Management and Business Entrepreneurship, 2 units
- Biostatistics (EPID 576A), 3 units. Other course syllabi may be considered by the Program Committee for approval.
- Medical Sciences Seminar (CTS 696A); or Biomedical Sciences Seminar (CTS 696B); or Departmental seminar programs, 1 unit/semester, min 2 semesters. Credit for attending relevant departmental seminars can be obtained in any specialty participating.
in the CTS Program. A minimum of 2 units of credit derived from seminar programs is required. The dissertation defense can be presented in one of these seminar series with permission of the seminar coordinators.

- **Thesis research** (CTS 910), 6 units

**Elective options:**
- **Economic Foundation for Health Sciences** (CPH 506), 3 units
- **Design of Experiments** (CPH 571B), 3 units
- **Current Topics in Biomedical Sciences** (CMM 603), 2 units
- **Current Topics in Translational Medicine** (CMM 604), 2 units
- **Biostatistics for Research** (CPH 576B), 3 units
- **Clinical Trials and Intervention Studies** (CPH 675), 3 units
- **Special Topics in Biostatistics** (CPH 685), 3 units
- **Bioethics, Regulations, and Repercussions in Research** (EPID 651), 2 units
- **Biomedical Sciences Journal Colloquium** (CTS 595) and/or **Clinical Case Conferences**