

UT HEALTH SCIENCE SAN ANTONIO
GRADUATE SCHOOL OF BIOMEDICAL SCIENCES

Certificate in Translational Science (CTS)

AIMS/OBJECTIVES

The goal of this program is to provide graduate students, postdoctoral fellows, faculty, and other health care professionals with formal education in the essential components of translational science. That is, the advancement of scientific discoveries made in basic biomedical research towards clinical applications and improvements in human health. This training program will prepare professionals to integrate within interdisciplinary investigative teams for the conduct of clinical and translational research in culturally diverse settings.

The specific aims of the CTS Program are to:

Support the intellectual environment at UT Health San Antonio for clinical and translational science.

Provide fundamental curricular activities in translational science to UT Health San Antonio students, postdoctoral trainees, clinical residents and fellows, and faculty from the Schools of Medicine, Nursing, Dentistry, Allied Health, and Graduate School of Biomedical Sciences (GSBS) as well as from local organizations that are partnered with UT Health San Antonio.

The aims of the CTS Program will be achieved *via* participation and successful completion of required didactic coursework.

All of the **required** information previously discussed **must** be submitted in order for an applicant to be considered by the MSCI-TS Student Admissions Committee. Requests for an exemption to any of these general admission requirements should be addressed to the CTS Program Director and sent directly to the CTS Academic Coordinator at the address below.

**Academic Coordinator
CTS Program
Room 7.742F (MED)
IIMS/OREM - MC 7757
UT Health San Antonio
7703 Floyd Curl Drive01**

Non-Degree Seeking Students in the GSBS. Non-degree seeking students may enroll in courses and receive GSBS course credit *without*

TSCI 5077 (1-3 SCH)	<i>Practicum in Translation Science</i>
TSCI 5078 (1 SCH)	<i>Introduction to Intellectual Property, Tech Transfer, & Communication</i>
TSCI 5079 (.5 SCH)	<i>Practicum in Intellectual Property, Tech Transfer & Communication</i>
TSCI 5080 (1 SCH)	<i>Practicum in Integrating Molecular Biology with Patient-Oriented Clinical Research</i>
TSCI 6060 (2 SCH)	<i>Patient-Oriented Clinical Research Methods -2</i>
TSCI 6061 (2 SCH)	<i>Patient-Oriented Clinical Research Biostatistics - 2</i>
TSCI 6064 (1 SCH)	<i>Grantsmanship and Peer Review</i>
TSCI 6065 (2 SCH)	<i>Health Services Research</i>
TSCI 6067 (1 SCH)	<i>Genomic Healthcare</i>
TSCI 6100 (1 SCH)	<i>Practicum in IACUC Procedures</i>
TSCI 6102 (1 SCH)	<i>Practicum in IRB Procedures</i>
TSCI 6105 (1 SCH)	<i>Topics in Cancer Prevention</i>
TSCI 6106 (.5 1 SCH)	<i>Practicum in Cancer Prevention Science</i>

Timeline for Coursework. A typical schedule for a full-time CTS student is provided in the Appendix of this Handbook.

Coursework towards a Certificate in Translational Science must be accomplished within three (3) or less years prior to request for certification. Exceptions to this requirement will be considered by the MSCI-TS COGS on a case-by-case basis. A written request for exemption must be submitted to the CTS Program Director through the CTS Academic Coordinator and should include a brief description of the reason(s) for the request.

Grade Requirement. As detailed by the MSCI-TS Program, student performance in MSCI-TS courses is assessed on a satisfactory (S) / unsatisfactory (U) basis. Any student who receives less than a Satisfactory (S) assessment in any CTS required course will be required to re-take the course and receive a passing grade during the next academic year. In the event of a second failure in the same course, the MSCI-TS COGS will provide a recommendation to the GSBS Dean as to whether or not the student should be dismissed from the CTS Program.

Exemption of a Required Course. Exemptions to the requirement for completion of a *required* course will be considered by the MSCI-TS COGS on a case-by-case basis. A written request for exemption must be submitted to the CTS Program Director through the CTS Academic Coordinator and should include a brief desc

course(s) must be provided. In the event that prior coursework conducted at another institution is the basis for the request the following supporting documents are required in addition to the written request.

Official copy of the transcript from the institution where the course was taken, the transcript should include the number of credit hours earned and indicate successful completion of the course.

Copy of the course description from the catalogue in effect when the course was taken.

Copy of the course syllabus during the semester taken, if available.

MSCI-TS COGS approval of a request for exemption to a required course does not automatically result in approval of the course. A letter to the CTSB (of) Coursework Credit described below.

Transfer of Coursework for Credit. If a student has suc

Absence Makeup. Makeup of absences (both excused and unexcused) is allowed at the discretion of the Course Director.

Other CTS

Ethics/Professionalism Policy

The CTS Program expects all students to exhibit the highest standards of conduct, honesty, and professionalism. AcadeCTS

Completion of the CTS Program

Recommendation for Granting the Certificate in Translational Science. A graduate student must be accepted into the CTS Program to be eligible to receive a certificate. Upon satisfactory completion of all required didactic and elective coursework, the CTS student will complete and submit the [CTS Request for Certification](#) form to the MSCI-TS Academic Coordinator for review and approval by the MSCI-TS COGS. Once approved by the MSCI-TS COGS, the Chair of the MSCI-TS COGS will then submit a recommendation form to the *Graduate Faculty Council* (GFC) of the Graduate School of Biomedical Sciences (GSBS) through the Dean of the GSBS for further consideration and approval.

Time-to-Certificate. The CTS Program can be completed within 1 year of study. Some students may require 2 to 3 years to complete certificate requirements. If a CTS student has not completed the necessary coursework within 3 years, the MSCI-TS COGS Chair will form a special committee to review progress with the student.

course of action to expedite completion or recommend termination of the enrollment of the student in the program.

Appendices 20

2019-2020
Committee on Graduate Studies
(MSCI-TS COGS)

Donald M. Dougherty, PhD
MSCI-TS COGS Chairman

Meyad Baghezza, BA, CIP
Research Regulatory Program

Alex Bokov, PhD
Epidemiology & Biostatistics

Carrie Jo Braden, RN, PhD
Nursing

Leonid Bunegin, BSc
Anesthesiology

Andrew Cap, MD, PhD, FACP
Program Director
Clinical Investigation Fellowship
San Antonio Military Medical Center

Byeongyeob Choi, PhD
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Psychiatry/Alcohol & Drug Abuse

Bertha E. Flores, PhD, APRN
School of Nursing

Christopher Frei, PharmD, MSc
Pharmacology Ed& Research Cntr

Jonathan Gelfond, MD, PhD
Epidemiology and Biostatistics

Goutam Ghosh-Choudhury, PhD
Medicine/Renal Diseases

Helen P. Hazuda, PhD
Medicine/Renal Diseases

Teresa Johnson-Pais, PhD
Urology

Donna M. Lehman, PhD
Medicine/Cardiology

Philip T. LoVerde, PhD
Biochemistry/Pathology

Linda M. McManus, PhD
Pathology

Polly H. Noel, PhD
Family & Community Medicine

Hai Rao, PhD
Molecular Medicine

Bill Sanns, BA
Epidemiology & Biostatistics

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Maureen J. Simmonds, PhD, PT
Physical Therapy

Kimberly Summers, PharmD
Research Regulatory Program

Rudy J. Trevino, MS, CPIA
Research Regulatory Program

Chen-Pin Wang, PhD
Epidemiology and Biostatistics

Michael J. Wargovich, PhD
Molecular Medicine/CTRC

Typical schedule for a One Year CTS Student

Year 1 – Fall Semester

- TSCI 5070 (2 SCH) Responsible Conduct of Research
- TSCI 5071 (2 SCH) Patient Oriented Clinical Research Methods -1
- TSCI 5072 (2 SCH) Patient Oriented Clinical Research Biostatistics -1
- TSCI 6001 (1 SCH) Introduction to Translational Science

Year 1 – Spring Semester

- TSCI 6101 (1 SCH) - Topics in Translational Science
- TSCI electives (4 SCH) - Elective coursework

CTS Elective Cours



[here for all CTS Forms](#)



CTS Contact Information

Linda M. McManus, PhD
Program Director
210-567-0509 (voice)
210-567-1874 (fax)

