**Certificate in Translational Science** 

#### UT HEALTH SCIENCE SAN ANTONIO GRADUATE SCHOOL OF BIOMEDICAL SCIENCES

## Certificate in Translational Science (CTS)

## AIMS/OBJECTIVES

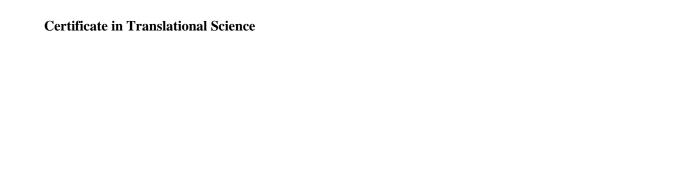
The goal of this program is to provide graduate students, postdoctoral fellows, faculty, and other health care professionals with formal education in the essential components of translational science. That is, the advancement of scientific discoveries made in basic biomedical research towards clinical 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)	Practicum in Translation Science
TSCI 5078 (1 SCH)	Introduction to Intellectual Property, Tech Transfer, & Communication
TSCI 5079 (.5 SCH)	Practicum in Intellectual Property, Tech Transfer & Communication
TSCI 5080 (1 SCH)	Practicum in Integrating Molecular Biology with Patient-Oriented Clinical Research
TSCI 6060 (2 SCH)	Patient-Oriented Clinical Research Methods -2
TSCI 6061 (2 SCH)	Patient-Oriented Clinical Research Biostatistics - 2
TSCI 6064 (1 SCH)	Grantsmanship and Peer Review
TSCI 6065 (2 SCH)	Health Services Research
TSCI 6067 (1 SCH)	Genomic Healthcare
TSCI 6100 (1 SCH)	Practicum in IACUC Procedures
TSCI 6102 (1 SCH)	Practicum in IRB Procedures
TSCI 6105 (1 SCH)	Topics in Cancer Prevention
TSCI 6106 (.5 1 SCH)	Practicum in Cancer Prevention Science

*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 4Td79selfoto86f46o4f5el79selfaldouf5el79selfaldouf5el79selfaldouf5el79selfaldouf5el79selfaldouf5elfaldouf5el79selfaldouf5el

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 in 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**Epidemiology & Biostatistics

**Robert A. Clark, MD**Office of the VP for Research

**Donald M. Dougherty, PhD**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

**Joseph O. Schmelz, PhD**Office of the VP for Research

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

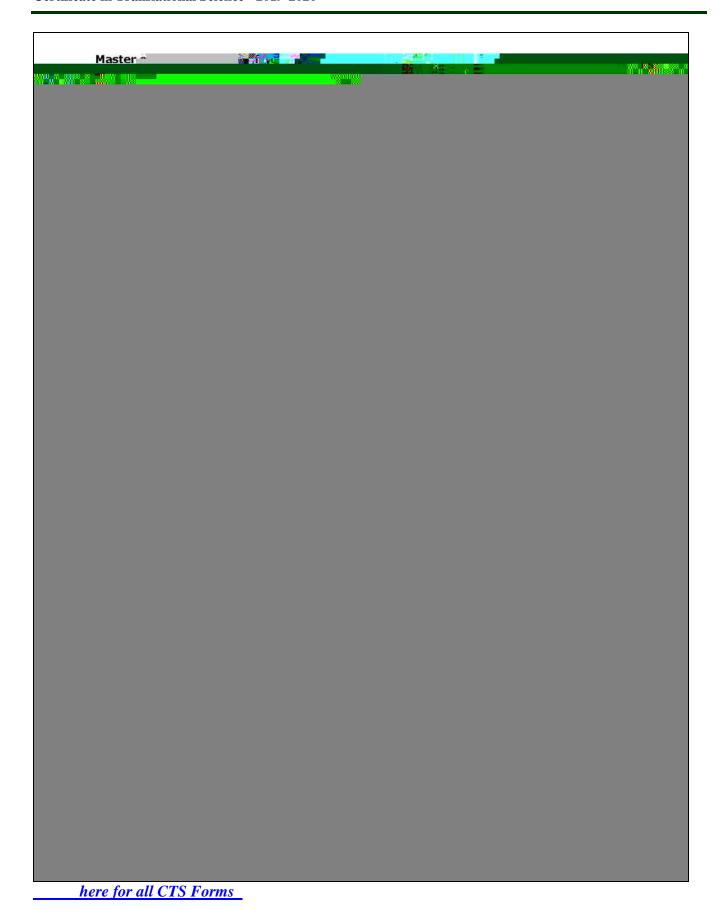
#### **Year 1 – Fall Semester**

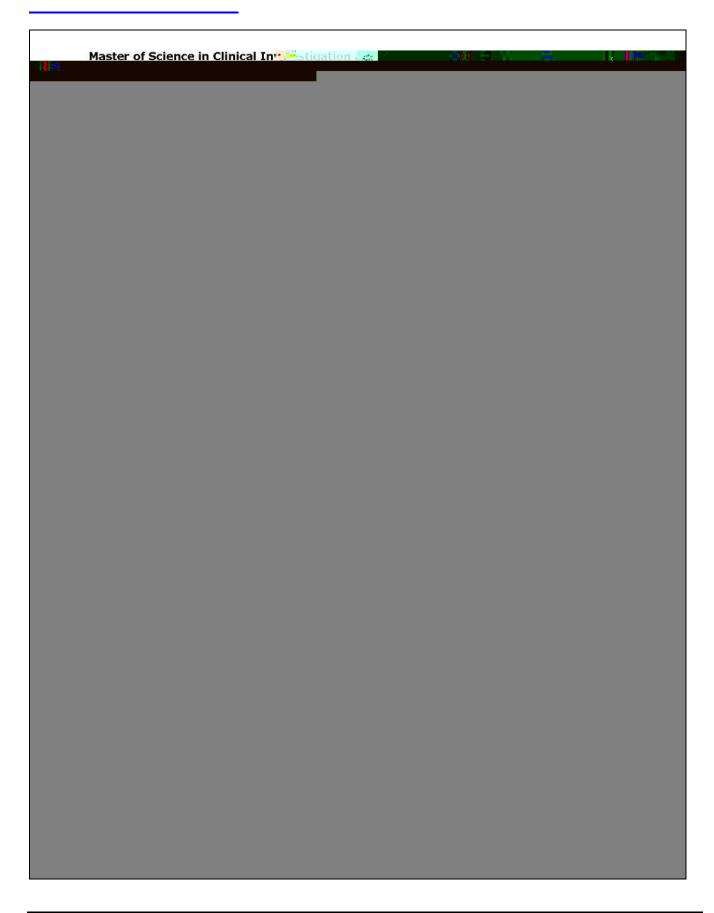
TSCI 5070 (2 SCH) Responsible Conduct of Research
TSCI 5071 (2 SCH) Patient Oriented Clinical Research Methods -1
TSCI 5072 (2 SCH) Patient Oriented Clinical Research Biostatistics -1
TSCI 6001 (1 SCH) Introduction to Translational Science

#### **Year 1 – Spring Semester**

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

#### **CTS Elective Cours**





# **CTS Contact Information**

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

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