



**TAMIU ADVANCED
RESEARCH AND
CURRICULUM PROJECT**

TAMIU ARC PROJECT

to expand the number of Hispanic and other underrepresented graduate and professional students that can be served by expanding courses and institutional resources. This project will also rigorously examine the metrics that led to success for graduate students within a dominantly Hispanic population.



Project Activities

- Collect graduate student retention and graduate data and associated metrics to support rigorous research that led to success for advanced Hispanic students.
- Conduct summer/winter orientation sessions to better facilitate entry into graduate school.
- Develop a First-Year Graduate Success program focusing on mathematics and social science courses that impede student progress. This activity enhances selected courses with technology, supplemental instruction, and library resources.
- Provide professional development opportunities for advanced undergraduate & graduate students, faculty, and staff.
- Enhance biology courses to build toward future programs.
- Set up and match endowment to support activities after conclusion of grant.

Graduate Orientation

Graduate Student Orientation was initiated to assist newly enrolled TAMU students learn about the different resources on campus. Multiple departments present their information such as Graduate School, Financial Aid, Library Services and Counseling & Wellness. Orientation will be held twice a year, before the start of the Fall and Spring semester.

Thursday, Jan. 16, 2020 6 - 8 p.m.

First-Year Graduate Success Program

A Peer Mentoring Program comprised of a first-year program within science and mathematics graduate programs to improve student success in quantitatively difficult gateway courses. Graduate Supplemental Instruction Leaders (SI Leaders) will provide scheduled out of class, peer facilitated sessions for extra assistance in course material. These facilitator-led study group sessions are open to graduate students enrolled in the following courses:

CRIJ 5320
MATH 5305
MATH 5320
PSYC 5320
SOCI 5321

Advanced Methods of Social Research
Real Analysis I
Complex Variables
Research Design & Statistics
Social Inquiry



Professional Development

TAMU ARC's mission of developing a community of scholars placing greater value on graduate coursework and research, led to the development of Professional Development Program.

These workshops will be conducted by both accomplished TAMU Faculty and partners from other institutions. Content varies from core competencies such as writing, presentation skills, to multiple course enhancement workshops on new research technology, methodology, and even how to publish in academic journals

Spring 2020 Schedule:

Developing Posters	March 7 (10am-noon)	
Developing Oral Presentations	March 7 (1-3pm) Summer Graduate Research	March 23 (5:30-6:30pm)
Refworks Workshop	April 2 (1pm & 6pm)	
Research Boot camp	Summer 2020	

Summer Research Program

The Summer Faculty Development Program aims at developing a rich milieu where faculty upon returning from their summer development experience, will be able to enrich their research and teaching at the graduate level. Travel and living support is available for up to 7 weeks. For tenured or tenure-track faculty member with at least two years of service at TAMU by the end of Spring 2020 semester. Preference will be given for disciplines within the TAMU ARC First Year Graduate Success Program (Communications, Criminal Justice, Mathematics, Political Science, Psychology, and Sociology) and Biology.

Application Due: March 20, 2020 at 5 p.m.

**Application can be found at CEES page under Title V ARC*

Writing Consultation

Writing Consultant assists all graduate students develop into more advanced, productive, and professional writers. This is accomplished by providing free individual/small group tutoring sessions, online assistance, peer review/writing sessions, writing and professional workshops, and thesis/dissertation (MA, MS, and PhD) formatting and feedback sessions to TAMU graduate students.

writingconsultant@tamui.edu or 956.326.2477



TAMIU ARC will make strategic investments in the Master of Science in Biology program, focusing on the areas of bioinformatics, ecologic modeling, and geographic information systems. These investments will support the growth of Data Science and Geographic Information Science at TAMIU. The following software was acquired during 2020 to provide support to these endeavors:

CLC Genomics Workbench
CLC Genome Finishing Module
CLC Microbial Genomics Module
Software: Microbial GX
Software: OmicsBox

TAMIU ARC Leadership Team

Project Director: Dr. Jennifer Coronado, *Dean of Graduate School*

Co-Project Director: Dr. Kenneth Tobin, *Professor of Geology*

Senior Personnel: Dr. David Allen, *Associate VP for institutional Assessment*

TAMIU ARC Supporting Personnel

Program Manager: Ms. Cindy Villarreal

Writing Consultant: Mr. Franco Zamora

External Evaluator: Dr. Nandita Chaudhuri

Senior Faculty: Dr. Marvin Bennett