Course Restrictions

All courses offered in a certificate program must be approved graduate-level courses. See individual certificate program descriptions for program-specific requirements. The following graduate certificate programs are offered:

Certificate of Professional Development in Geographic Information Science
Department of Geological Sciences
The purpose of the Professional Certificate in Geographic Information Science is to train individuals from a broad range of academic disciplines to be competent users of Geographic Information Science and the related tools of Remote Sensing and Web-based GIS data publication and sharing. Although the program is generally oriented toward geological sciences professionals, individuals with business, social science, medical, engineering, computer science, criminal science or education backgrounds will benefit from this professional certificate. Individuals completing this certificate will gain a practical and hands-on knowledge of Geospatial Science. See Department of Geological Sciences section (http://catalog.utsa.edu/graduate/sciences/geologicalsciences/#certificatext) in this catalog for more information.

Graduate Certificate in Applied Behavior Analysis
Department of Educational Psychology
The Certificate in Applied Behavior Analysis provides students with focused training in the area of applied behavior analysis as it relates to educational psychology and special education. The certificate provides educators with specialized skills in the application of behavior analysis to support the social behavior needs of students. See Department of Educational Psychology section (http://catalog.utsa.edu/graduate/educationhumandevelopment/educationalpsychology/#certificatext) in this catalog for more information.

Graduate Certificate in Applied Health Research
Department of Kinesiology, Health, and Nutrition
The Graduate Certificate in Applied Health Research is designed to meet the needs of students who want to develop skills related to community and applied public health research. These students include those with a general background in health education, health promotion, psychology, nutrition, or other related field. The certificate provides students with an understanding of the scope and skills associated with applied health research, especially community-based participatory research. The certificate is offered 100% online and provides the opportunity to gain critical skills in responsibilities and competencies related to both health educator certification and public health research. See Department of Kinesiology, Health, and Nutrition section (http://catalog.utsa.edu/graduate/educationhumandevelopment/healthkinesiology/#certificatext) in this catalog for more information.

Graduate Certificate in Bilingual Counseling
Department of Counseling
The Certificate in Bilingual Counseling is designed to meet the needs of students interested in developing foundational skills in bilingual counseling with an emphasis on Spanish. The certificate is offered through the Department of Counseling with support from the Department of Bicultural-Bilingual Studies. The Certificate in Bilingual Counseling is designed to meet growing PK-12 school and community needs. See Department of Counseling section (http://catalog.utsa.edu/graduate/educationhumandevelopment/counseling/#certificatext) in this catalog for more information.

Graduate Certificate in Bilingual Reading Specialist
Department of Bicultural-Bilingual Studies
The Certificate in Bilingual Reading Specialist offers specialized training for those who possess a valid teaching license and wish to become better prepared to provide appropriate reading instruction to students in bilingual programs in public schools. See Department of Bicultural-Bilingual Studies section (http://catalog.utsa.edu/graduate/educationhumandevelopment/biculturalbilingualstudies/#certificatext) in this catalog for more information.

Graduate Certificate in the Business of Health
College of Business
The Certificate in the Business of Health is designed to equip healthcare and business professionals with the knowledge and skills needed to lead in today's rapidly-changing healthcare environment. The program includes coursework in areas such as healthcare organization and management, Medicare regulation and payment systems, legal and tax strategies for healthcare organizations and professionals, and healthcare economics and policy, among others. See the College of Business section (http://catalog.utsa.edu/graduate/business/#certificatext) in this catalog for more information.

Graduate Certificate in Cloud Computing
College of Engineering
The Certificate in Cloud Computing is designed to equip technical professionals with the knowledge and technical skills necessary for a career in an organization that leverages cloud computing. The wide-range of use of cloud computing in today's business, government and academic environments requires a broad range of competencies and understanding of how cloud computing influences a particular area. This certificate is designed to give a common framework of understanding cloud computing, as well as allow for specialization in specific areas, such as: cyber-security, cloud-infrastructure, and applications in cloud. See the College of Engineering section (http://catalog.utsa.edu/graduate/engineering/#certificatext) in this catalog for more information.
Graduate Certificate in Community Nutrition
Department of Kinesiology, Health, and Nutrition

The Graduate Certificate in Community Nutrition is designed to meet the needs of students who want to contribute to the emerging field of community and public health nutrition. The certificate provides students with an understanding of both the scope and skills associated with community nutrition education and promotion. Specifically, this certificate is offered to equip students to fill the growing need for community nutrition practitioners, especially in south Texas. The Community Nutrition certificate is offered 100% online and will provide critical knowledge regarding nutrition needs across lifespans. See Department of Kinesiology, Health, and Nutrition section (http://catalog.utsa.edu/graduate/educationhumandevelopment/healthkinesiology/#certificatetext) in this catalog for more information.

Graduate Certificate in Creative Writing
Department of English

The Graduate Certificate in Creative Writing adds interdisciplinary breadth to a student’s course of study while increasing the depth and coherence of a student’s work in creative writing. Given the growing interest in creative writing in nontraditional disciplines of medicine, sociology, and psychology as well as in liberal arts, many students find this formal recognition of their work in creative writing to be a valuable credential in both academic and nonacademic job markets. This certificate demands an active engagement in graduate-level creative writing classes. Students who are pursuing the Graduate Certificate also receive first consideration for graduate workshop registration. See Department of English section (http://catalog.utsa.edu/graduate/liberalfinearts/english/#certificatetext) in this catalog for more information.

Graduate Certificate in Environmental Science
Department of Environmental Science and Ecology

The Graduate Certificate in Environmental Science is designed to meet the needs of prospective students interested in developing knowledge in environmental sustainability. The purpose of this certificate is to provide professionals who already have undergraduate degrees with graduate instruction in environmental sustainability as a means of maintaining and promoting their professional development. The goal of this certificate is to fill specific gaps in knowledge for environmental professionals who are seeking advanced knowledge and skills in environmental sustainability. The certificate also builds a strong foundation for participants to obtain a master’s degree at a future date. See Department of Environmental Science and Ecology section (http://catalog.utsa.edu/graduate/sciences/env_science/#certificatetext) in this catalog for more information.

Graduate Certificate in Community Nutrition:

Department of Kinesiology, Health, and Nutrition

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Graduate Certificate in Higher Education Administration:

Department of Educational Leadership and Policy Studies

The Graduate Certificate in Higher Education Administration will provide an opportunity for higher education professionals working or seeking to work in the myriad of higher education institutions in the region to
develop their knowledge and skills in higher education administration. With a large and expanding four-year university and community college student population, this certificate program will enhance the professional preparation and development opportunities for current and prospective higher education administrators. See Department of Educational Leadership and Policy Studies section in this catalog for more information.

**Graduate Certificate in Historic Preservation**

**Department of Architecture**

Historic Preservation is a process of design for continuity and the management of change within an existing historic context. The Graduate Certificate in Historic Preservation offers specialized education in historic preservation design, technology, planning and management through graduate-level courses. See Department of Architecture section in this catalog for more information.

**Graduate Certificate in Instrumental Performance**

**Department of Music**

The Certificate in Instrumental Performance is a graduate option that allows exclusive focus on the performance aspects of musicianship. The Certificate in Instrumental Performance is a graduate option that allows exclusive focus on the performance aspects of musicianship. See Department of Music section in this catalog for more information.

**Graduate Certificate in I-STEM Education**

**Department of Interdisciplinary Learning and Teaching**

The Graduate Certificate in I-STEM Education (Interdisciplinary Science, Technology, Engineering, and Math) is designed for graduate students from all disciplines who wish to focus on issues related to I-STEM education. The goals of the Graduate Certificate in I-STEM Education are to provide graduate students with a comprehensive educational foundation to understand local and global STEM issues, and support them to acquire the analytic skills needed to effectively implement appropriate instructional strategies for varying audiences. The Graduate Certificate in I-STEM Education will be awarded to students at the master’s or doctoral levels. See Department of Interdisciplinary Learning and Teaching section in this catalog for more information.

**Graduate Certificate in Keyboard Pedagogy**

**Department of Music**

The Certificate in Keyboard Pedagogy is designed for the active pre-college piano teacher who is interested in continuing their education through a program that is focused on practical courses in their field. See Department of Music section in this catalog for more information.

**Graduate Certificate in Language Acquisition and Bilingual Psychoeducational Assessment**

**Department of Educational Psychology**

The Certificate in Language Acquisition and Bilingual Psychoeducational Assessment (LABPA) is designed to meet the needs of prospective students interested in developing skills in bilingual psychoeducational assessment and foundational knowledge in language acquisition and the bilingualism continuum, with an emphasis on Spanish-speaking English Language Learners (ELLs). The purpose is to increase the utilization of best practices in bilingual psychoeducational assessment based upon an understanding of language acquisition. Best practices incorporate knowledge of tests of cognitive and achievement abilities, of tests of language proficiency, and bilingualism and language acquisition. The goal is to improve the educational experience, educational planning, provision of special education services, and overall well-being of ELL children, and youth in general. See Department of Educational Psychology section in this catalog for more information.

**Graduate Certificate in Linguistics**

**Department of Modern Languages and Literatures**

The Graduate Certificate in Linguistics offers coursework in the advanced, interdisciplinary study of language for students working at the master’s or doctoral level. This certificate will enhance students’ employment credentials as college and university instructors, editors or professional writers in corporate, non-profit, and educational settings. See Department of Modern Languages and Literatures section in this catalog for more information.

**Graduate Certificate in Nonprofit Administration and Leadership**

**Department of Public Administration**

The Certificate in Nonprofit Administration and Leadership provides students with the opportunity to develop essential technical and analytical skills for leading and managing nonprofit organizations. These skills include: fundraising, grant writing, financial management, strategic planning, collaboration, and advocacy. The Certificate prepares students in the business skills required to manage social and human service, arts, religious, advocacy, and educational nonprofit organizations. The program also has a strong focus on the importance of leadership in preserving the unique role and purpose of the nonprofit sector in American society. This focus emphasizes the role of the nonprofit sector as a mechanism for participation important to preserving democracy. See Department of Public Administration section in this catalog for more information.
Graduate Certificate in Operations and Supply Chain Management
Department of Management Science and Statistics
The Graduate Certificate in Operations and Supply Chain Management is a 12-semester-credit-hour program offered by the Department of Management Science and Statistics. The Graduate Certificate in Operations and Supply Chain Management (OSCM) is designed to provide specialized training to help expand students’ area of expertise, learn about new developments in their fields, augment their professional skills and provide credentials that help advance their careers. It certifies to employers that students awarded the certificate have completed coursework that help them understand a myriad of issues, challenges, problems, and decision tools that relate to the internal and external flow of materials and requisite knowledge. Production/operations management, logistics management, and procurement topics are included to resolve the myriad of complex problems. Moreover, this certificate program will help students discover cutting edge techniques and best practices to leverage their operations and supply chain complexities to achieve competitive advantage. See Department of Management Science and Statistics section (http://catalog.utsa.edu/graduate/business/managementsciencestatistics/#certificatestext) in this catalog for more information.

Graduate Certificate in Real Estate Finance and Development
Department of Finance
The Certificate in Real Estate Finance and Development will benefit professionals in the real estate and construction community who desire knowledge in real estate finance and development. See Department of Finance section (http://catalog.utsa.edu/graduate/business/finance/#certificatestext) in this catalog for more information.

Graduate Certificate in Rhetoric and Composition
Department of English
The Certificate in Rhetoric and Composition offers coursework in advanced, interdisciplinary study of language and language instruction, encompassing theoretical, applied, and pedagogical aspects of discourse. The certificate will also enhance students’ employment credentials as college and university writing instructors or as professional writers in corporate, nonprofit, and educational settings. See Department of English section (http://catalog.utsa.edu/graduate/liberalarts/english/#certificatestext) in this catalog for more information.

Graduate Certificate in Spanish Translation Studies
Department of Modern Languages and Literatures
The Certificate in Spanish Translation Studies focuses on the language skills necessary to perform translation. Translation is defined as the rendering of a written text from a source language into another, while interpretation is the rendering of spoken language from a source language into another. Although this program concentrates on the former rather than on the latter, both draw on the same type of general linguistic skills as those gained by studies in literature, language, and culture. This certificate focuses more closely on practical applications in modern day life than does the more comprehensive Master’s degree. See Department of Modern Languages and Literatures section (http://catalog.utsa.edu/graduate/liberalarts/modernlanguagesliteratures/#certificatestext) in this catalog for more information.

Graduate Certificate in Special Education Advocacy
Department of Interdisciplinary Learning and Teaching
The Graduate Certificate in Special Education Advocacy is available to students who have been admitted as special students and seeking the certificate independent of a degree as well as master’s degree students who are not matriculating through the M.Ed. in Education – Special Education Specialization. This certificate is designed to meet the needs of current and prospective students interested in developing basic skills in special education advocacy. The advocacy certificate is to be offered through the Interdisciplinary Learning and Teaching (ILT) Department’s Special Education (SPE) program area within the College of Education and Human Development. The purpose of this program is to provide training in special education advocacy for parents of children with disabilities, novice and experienced teachers, and other professionals who are new to special education law. See Department of Interdisciplinary Learning and Teaching section (http://catalog.utsa.edu/graduate/educationhumandevelopment/interdisciplinarylearning/teaching/ILT/department/specialeducation/spe/graduatecertificateinadvocacy/#certificatestext) in this catalog for more information.

Graduate Certificate in Teaching English as a Second Language
Department of Bicultural-Bilingual Studies
The Certificate in Teaching English as a Second Language offers specialized training for people who would like to begin working in the field of English language teaching (ELT), either as a first job or a mid-career change. Completion of the certificate prepares individuals to work in areas including but not limited to community-based language schools for immigrants and refugees, private language schools abroad, corporate training/consulting, missionary/aid work, or private tutoring. See Department of Bicultural-Bilingual Studies section (http://catalog.utsa.edu/graduate/educationhumandevelopment/biculturalbilingualstudies/#certificatestext) in this catalog for more information.

Graduate Certificate in Technology Entrepreneurship and Management
Department of Information Systems and Cyber Security
The Certificate in Technology Entrepreneurship and Management is designed for current graduate students in technology and science-related disciplines who wish to expand their skills at translating new technologies into new products and companies. See Department of Information Systems and Cyber Security section (http://catalog.utsa.edu/graduate/business/informationsystemscybersecurity/#certificatestext) in this catalog for more information.
Graduate Certificate in Urban and Regional Planning

College of Architecture, Construction and Planning

The Certificate in Urban and Regional Planning provides students with an introductory understanding of the historical, social, international, and physical context of comprehensive land use planning and sustainable urbanism. See College of Architecture, Construction and Planning section (http://catalog.utsa.edu/graduate/architecture/#certificatestext) in this catalog for more information.

Graduate Certificate in Voice Pedagogy

Department of Music

The Certificate in Voice Pedagogy is designed for the active private voice teacher who is interested in continuing their education through a program that is focused on practical courses in their field. This certificate has an exclusive focus on the pedagogical aspects of singing. See Department of Music section (http://catalog.utsa.edu/graduate/liberalarts/music/#certificatestext) in this catalog for more information.