6. Graduate Program Requirements and Course Descriptions

College of Architecture, Construction and Planning
- Master of Science in Urban and Regional Planning (http://catalog.utsa.edu/graduate/architecture/architecture/#degreestext)
- Graduate Certificate in Urban and Regional Planning (http://catalog.utsa.edu/graduate/architecture/architecture/#certificatestext)

Department of Architecture
- Master of Architecture – The Professional Program (http://catalog.utsa.edu/graduate/architecture/architecture/#degreestext)
- Master of Science in Architecture – The Research Program (http://catalog.utsa.edu/graduate/architecture/architecture/#degreestext)
- Graduate Certificate in Historic Preservation (http://catalog.utsa.edu/graduate/architecture/architecture/#certificatestext)

College of Business
- Executive Master of Business Administration (http://catalog.utsa.edu/graduate/business/#degreestext)
- Master of Business Administration (http://catalog.utsa.edu/graduate/business/#degreestext)
- Dual Master of Business Administration and Master of Public Health (http://catalog.utsa.edu/graduate/business/#degreestext)
- Master of Science in Business (http://catalog.utsa.edu/graduate/business/#degreestext)
- Master of Science in Data Analytics (http://catalog.utsa.edu/graduate/business/#degreestext)
- Doctor of Philosophy in Accounting; Finance; Information Technology; Management and Organization Studies; Marketing (http://catalog.utsa.edu/graduate/business/#degreestext)
- Graduate Certificate in the Business of Health (http://catalog.utsa.edu/graduate/business/#certificatestext)

Department of Accounting
- Five-Year (150-Hour) Professional Accounting Program (http://catalog.utsa.edu/graduate/business/accounting/#degreestext)
- Master of Accountancy Degree (http://catalog.utsa.edu/graduate/business/accounting/#degreestext)
- Doctor of Philosophy in Accounting (http://catalog.utsa.edu/graduate/business/accounting/#degreestext)

Department of Economics
- Master of Arts in Economics – General Economics Concentration (http://catalog.utsa.edu/graduate/business/economics/#degreestext)
- Master of Arts in Economics – Financial Economics Concentration (http://catalog.utsa.edu/graduate/business/economics/#degreestext)
- Master of Arts in Economics – Business Data Analysis and Forecasting Concentration (http://catalog.utsa.edu/graduate/business/economics/#degreestext)

Department of Finance
- Master of Science in Finance (http://catalog.utsa.edu/graduate/business/finance/#degreestext)
- Master of Science in Finance – Real Estate Finance and Development Concentration (http://catalog.utsa.edu/graduate/business/finance/#degreestext)
- Doctor of Philosophy in Finance (http://catalog.utsa.edu/graduate/business/finance/#degreestext)
- Graduate Certificate in Real Estate Finance and Development (http://catalog.utsa.edu/graduate/business/finance/#certificatestext)

Department of Information Systems and Cyber Security
- Master of Science in Information Technology (http://catalog.utsa.edu/graduate/business/informationsystemscybersecurity/#degreestext)
- Master of Science in Information Technology – Cyber Security Concentration (http://catalog.utsa.edu/graduate/business/informationsystemscybersecurity/#degreestext)
- Master of Science in Management of Technology (http://catalog.utsa.edu/graduate/business/informationsystemscybersecurity/#degreestext)
- Doctor of Philosophy in Information Technology (http://catalog.utsa.edu/graduate/business/informationsystemscybersecurity/#degreestext)
- Graduate Certificate in Technology Entrepreneurship and Management (http://catalog.utsa.edu/graduate/business/informationsystemscybersecurity/#certificatestext)

Department of Management
- Doctor of Philosophy in Management and Organization Studies (http://catalog.utsa.edu/graduate/business/management/#degreestext)

Department of Management Science and Statistics
- Master of Science in Applied Statistics (http://catalog.utsa.edu/graduate/business/managementsciencestatistics/#degreestext)
- Doctor of Philosophy in Applied Statistics (http://catalog.utsa.edu/graduate/business/managementsciencestatistics/#degreestext)
- Graduate Certificate in Operations and Supply Chain Management (http://catalog.utsa.edu/graduate/business/managementsciencestatistics/#certificatestext)

Department of Marketing
- Doctor of Philosophy in Marketing (http://catalog.utsa.edu/graduate/business/marketing/#degreestext)

College of Education and Human Development

Department of Bicultural-Bilingual Studies
- Master of Arts in Bicultural-Bilingual Studies (http://catalog.utsa.edu/graduate/educationhumandevelopment/biculturalbilingualstudies/#degreestext)
- Master of Arts in Teaching English as a Second Language (http://catalog.utsa.edu/graduate/educationhumandevelopment/biculturalbilingualstudies/#degreestext)
- Doctor of Philosophy in Culture, Literacy and Language (http://catalog.utsa.edu/graduate/educationhumandevelopment/biculturalbilingualstudies/#degreestext)
• Graduate Certificate in Bilingual Reading Specialist (http://catalog.utsa.edu/graduate/educationhumandevelopment/biculturalbilingualstudies/#certificatestext)

• Graduate Certificate in Teaching English as a Second Language (http://catalog.utsa.edu/graduate/educationhumandevelopment/biculturalbilingualstudies/#certificatestext)

Department of Counseling

• Master of Science in Clinical Mental Health Counseling (http://catalog.utsa.edu/graduate/educationhumandevelopment/counseling/#degreestext)

• Master of Education in School Counseling (http://catalog.utsa.edu/graduate/educationhumandevelopment/counseling/#degreestext)

• Doctor of Philosophy in Counselor Education and Supervision (http://catalog.utsa.edu/graduate/educationhumandevelopment/counseling/#degreestext)

• Graduate Certificate in Bilingual Counseling (http://catalog.utsa.edu/graduate/educationhumandevelopment/counseling/#certificatestext)

Department of Educational Leadership and Policy Studies

• Master of Education in Educational Leadership and Policy Studies (http://catalog.utsa.edu/graduate/educationhumandevelopment/educationalleadershippolicystudies/#degreestext)

• Doctor of Education in Educational Leadership (http://catalog.utsa.edu/graduate/educationhumandevelopment/educationalleadershippolicystudies/#degreestext)

• Graduate Certificate in Higher Education Administration (http://catalog.utsa.edu/graduate/educationhumandevelopment/educationalleadershippolicystudies/#certificatestext)

Department of Educational Psychology

• Master of Arts in Educational Psychology (http://catalog.utsa.edu/graduate/educationhumandevelopment/educationalpsychology/#degreestext)

• Master of Arts in School Psychology (http://catalog.utsa.edu/graduate/educationhumandevelopment/educationalpsychology/#degreestext)

• Graduate Certificate in Applied Behavior Analysis (http://catalog.utsa.edu/graduate/educationhumandevelopment/educationalpsychology/#certificatestext)

• Graduate Certificate in Language Acquisition and Bilingual Psychoeducational Assessment (http://catalog.utsa.edu/graduate/educationhumandevelopment/educationalpsychology/#certificatestext)

Department of Interdisciplinary Learning and Teaching

• Master of Arts in Curriculum and Instruction (http://catalog.utsa.edu/graduate/educationhumandevelopment/interdisciplinarylearningteaching/#degreestext)

• Master of Arts in Early Childhood and Elementary Education (http://catalog.utsa.edu/graduate/educationhumandevelopment/interdisciplinarylearningteaching/#degreestext)

• Master of Arts in Education (http://catalog.utsa.edu/graduate/educationhumandevelopment/interdisciplinarylearningteaching/#degreestext)

• Master of Arts in Reading and Literacy (http://catalog.utsa.edu/graduate/educationhumandevelopment/interdisciplinarylearningteaching/#degreestext)

• Master of Arts in Special Education (http://catalog.utsa.edu/graduate/educationhumandevelopment/interdisciplinarylearningteaching/#degreestext)

• Doctor of Philosophy in Interdisciplinary Learning and Teaching (http://catalog.utsa.edu/graduate/educationhumandevelopment/interdisciplinarylearningteaching/#degreestext)

• Graduate Certificate in E-STEM Education (http://catalog.utsa.edu/graduate/educationhumandevelopment/interdisciplinarylearningteaching/#certificatestext)

• Graduate Certificate in I-STEM Education (http://catalog.utsa.edu/graduate/educationhumandevelopment/interdisciplinarylearningteaching/#certificatestext)

• Graduate Certificate in Special Education Advocacy (http://catalog.utsa.edu/graduate/educationhumandevelopment/interdisciplinarylearningteaching/#certificatestext)

Department of Kinesiology, Health, and Nutrition

• Master of Science in Health and Kinesiology (http://catalog.utsa.edu/graduate/educationhumandevelopment/healthkinesiology/#degreestext)

• Master of Dietetics Studies (http://catalog.utsa.edu/graduate/educationhumandevelopment/healthkinesiology/#degreestext)

• Graduate Certificate in Applied Health Research (http://catalog.utsa.edu/graduate/educationhumandevelopment/healthkinesiology/#certificatestext)

• Graduate Certificate in Community Nutrition (http://catalog.utsa.edu/graduate/educationhumandevelopment/healthkinesiology/#certificatestext)

• Graduate Certificate in Health (http://catalog.utsa.edu/graduate/educationhumandevelopment/healthkinesiology/#certificatestext)

College of Engineering

• Graduate Certificate in Cloud Computing (http://catalog.utsa.edu/graduate/engineering/#certificatestext)

Department of Biomedical Engineering

• Master of Science in Biomedical Engineering (http://catalog.utsa.edu/graduate/engineering/biomedicalengineering/#degreestext)

• Doctor of Philosophy in Biomedical Engineering (http://catalog.utsa.edu/graduate/engineering/biomedicalengineering/#degreestext)

Department of Civil and Environmental Engineering

• Master of Civil Engineering (http://catalog.utsa.edu/graduate/engineering/civilenvironmentalengineering/#degreestext)

• Master of Science in Civil Engineering (http://catalog.utsa.edu/graduate/engineering/civilenvironmentalengineering/#degreestext)

• Doctor of Philosophy in Environmental Science and Engineering (http://catalog.utsa.edu/graduate/engineering/civilenvironmentalengineering/#degreestext)

Department of Electrical and Computer Engineering

• Master of Science in Electrical Engineering (http://catalog.utsa.edu/graduate/engineering/electricalcomputerengineering/#degreestext)

• Master of Science in Computer Engineering (http://catalog.utsa.edu/graduate/engineering/electricalcomputerengineering/#degreestext)

• Master of Science in Advanced Materials Engineering (http://catalog.utsa.edu/graduate/engineering/electricalcomputerengineering/#degreestext)
• Doctor of Philosophy in Electrical Engineering
  (http://catalog.utsa.edu/graduate/engineering/electricalengineering/#degreestext)
• Integrated Bachelor's/Master's Program (http://catalog.utsa.edu/graduate/engineering/electricalengineering/ #intbsmselectricalengineering)

Department of Mechanical Engineering
• Master of Science in Advanced Manufacturing and Enterprise Engineering (http://catalog.utsa.edu/graduate/engineering/mechanicalengineering/#degreestext)
• Master of Science in Mechanical Engineering (http://catalog.utsa.edu/graduate/engineering/mechanicalengineering/#degreestext)
• Doctor of Philosophy in Mechanical Engineering (http://catalog.utsa.edu/graduate/engineering/mechanicalengineering/#degreestext)

College of Liberal and Fine Arts
Department of Anthropology
• Master of Arts in Anthropology (http://catalog.utsa.edu/graduate/liberalfinearts/anthropology/#degreestext)
• Doctor of Philosophy in Anthropology (http://catalog.utsa.edu/graduate/liberalfinearts/anthropology/#degreestext)

Department of Art and Art History
• Master of Fine Arts in Art (http://catalog.utsa.edu/graduate/liberalfinearts/artandarthistory/#degreestext)
• Master of Arts in Art History (http://catalog.utsa.edu/graduate/liberalfinearts/artandarthistory/#degreestext)

Department of Communication
• Master of Arts in Communication (http://catalog.utsa.edu/graduate/liberalfinearts/communication/#degreestext)

Department of English
• Master of Arts in English (http://catalog.utsa.edu/graduate/liberalfinearts/english/#degreestext)
• Doctor of Philosophy in English (http://catalog.utsa.edu/graduate/liberalfinearts/english/#degreestext)
• Graduate Certificate in Creative Writing (http://catalog.utsa.edu/graduate/liberalfinearts/english/#certificatestext)
• Graduate Certificate in Rhetoric and Composition (http://catalog.utsa.edu/graduate/liberalfinearts/english/#certificatestext)

Department of History
• Master of Arts in History (http://catalog.utsa.edu/graduate/liberalfinearts/history/#degreestext)

Department of Modern Languages and Literatures
• Master of Arts in Spanish (http://catalog.utsa.edu/graduate/liberalfinearts/modernlanguagesliteratures/#degreestext)
• Graduate Certificate in Linguistics (http://catalog.utsa.edu/graduate/liberalfinearts/modernlanguagesliteratures/#certificatestext)
• Graduate Certificate in Spanish Translation Studies (http://catalog.utsa.edu/graduate/liberalfinearts/modernlanguagesliteratures/#certificatestext)

Department of Music
• Master of Music (http://catalog.utsa.edu/graduate/liberalfinearts/music/#degreestext)
• Graduate Certificate in Instrumental Performance (http://catalog.utsa.edu/graduate/liberalfinearts/music/#certificatestext)
• Graduate Certificate in Keyboard Pedagogy (http://catalog.utsa.edu/graduate/liberalfinearts/music/#certificatestext)
• Graduate Certificate in Voice Pedagogy (http://catalog.utsa.edu/graduate/liberalfinearts/music/#certificatestext)

Department of Philosophy and Classics
• Master of Arts in Philosophy (http://catalog.utsa.edu/graduate/liberalfinearts/philosophy/#degreestext)

Department of Political Science and Geography
• Master of Arts in Geography (http://catalog.utsa.edu/graduate/liberalfinearts/politicalscienceandgeography/#degreestext)
• Master of Arts in Political Science (http://catalog.utsa.edu/graduate/liberalfinearts/politicalscienceandgeography/#degreestext)

Department of Psychology
• Master of Science in Psychology (http://catalog.utsa.edu/graduate/liberalfinearts/psychology/#degreestext)
• Doctor of Philosophy in Psychology (http://catalog.utsa.edu/graduate/liberalfinearts/psychology/#degreestext)

Department of Sociology
• Master of Science in Sociology (http://catalog.utsa.edu/graduate/liberalfinearts/sociology/#degreestext)

College of Public Policy
Department of Criminal Justice
• Master of Science in Criminal Justice and Criminology (http://catalog.utsa.edu/graduate/publicpolicy/criminaljustice/#degreestext)

Department of Demography
• Doctor of Philosophy in Applied Demography (http://catalog.utsa.edu/graduate/publicpolicy/demography/#degreestext)

Department of Public Administration
• Master of Public Administration (http://catalog.utsa.edu/graduate/publicpolicy/publicadministration/#degreestext)
• Graduate Certificate in Nonprofit Administration and Leadership (http://catalog.utsa.edu/graduate/publicpolicy/publicadministration/#certificatestext)

Department of Social Work
• Master of Social Work (http://catalog.utsa.edu/graduate/publicpolicy/socialwork/#degreestext)

College of Sciences
Department of Biology
• Master of Science in Biology (http://catalog.utsa.edu/graduate/sciences/biology/#degreestext)
• Master of Science in Biotechnology (http://catalog.utsa.edu/graduate/sciences/biology/#degreestext)
• Doctor of Philosophy in Cell and Molecular Biology (http://catalog.utsa.edu/graduate/sciences/biology/#degreestext)
6. Graduate Program Requirements and Course Descriptions

- Doctor of Philosophy in Neurobiology (http://catalog.utsa.edu/graduate/sciences/biology/#degreestext)

Department of Chemistry
- Master of Science in Chemistry (http://catalog.utsa.edu/graduate/sciences/chemistry/#degreestext)
- Doctor of Philosophy in Chemistry (http://catalog.utsa.edu/graduate/sciences/chemistry/#degreestext)

Department of Computer Science
- Master of Science in Computer Science (http://catalog.utsa.edu/graduate/sciences/computerscience/#degreestext)
- Doctor of Philosophy in Computer Science (http://catalog.utsa.edu/graduate/sciences/computerscience/#degreestext)

Department of Environmental Science
- Master of Science in Environmental Science (http://catalog.utsa.edu/graduate/sciences/env_science/#degreestext)
- Doctor of Philosophy in Environmental Science and Engineering (http://catalog.utsa.edu/graduate/sciences/env_science/#degreestext)
- Graduate Certificate in Environmental Science (http://catalog.utsa.edu/graduate/sciences/env_science/#certificatetext)
- Graduate Certificate in Environmental Sustainability (http://catalog.utsa.edu/graduate/sciences/env_science/#certificatetext)

Department of Geological Sciences
- Master of Science Degree in Geology (http://catalog.utsa.edu/graduate/sciences/geologicalsciences/#degreestext)
- Master of Science in Geoinformatics (http://catalog.utsa.edu/graduate/sciences/geologicalsciences/#degreestext)
- Certificate of Professional Development in Geographic Information Science (http://catalog.utsa.edu/graduate/sciences/geologicalsciences/#certificatestext)

Department of Mathematics
- Master of Science in Applied Mathematics–Industrial Mathematics (http://catalog.utsa.edu/graduate/sciences/mathematics/#degreestext)
- Master of Science in Mathematics (http://catalog.utsa.edu/graduate/sciences/mathematics/#degreestext)
- Master of Science in Mathematics Education (http://catalog.utsa.edu/graduate/sciences/mathematics/#degreestext)

Department of Physics and Astronomy
- Master of Science in Physics (http://catalog.utsa.edu/graduate/sciences/physicsandastronomy/#degreestext)
- Doctor of Philosophy in Physics (http://catalog.utsa.edu/graduate/sciences/physicsandastronomy/#degreestext)

The Graduate School
- Doctor of Philosophy in Translational Science (http://catalog.utsa.edu/graduate/translationalscience)