The MS in Professional Science is a graduate program so we suggest that students apply for admission using the graduate admissions on-line application. Here is the link to the on-line application: http://www.utep.edu/graduate/apply-now/apply-now.html

**PROFESSIONAL MASTER’S OF SCIENCE**

**Allows You to Customize Your Master’s Degree**

To

**Maximize your Marketability**

In the 21st Century Economy there is enormous demand for professionals who have a foundation in science. This master’s degree allows you to pair your science knowledge with a professional skill. You essentially design your own degree.

The Professional Masters of Science (PSM) was approved in the fall of 2016 and will be offered for the first time in the spring of 2017. It is composed of two graduate certificates. The purpose of the degree was to enhance the marketability of students at the master’s level by blending disciplines.

The first certificate consisting of 15-18 hours has to be offered by the College of Science. The second graduate certificate consisting of 15-18 hours can be taken in the College of Science, any other college at UTEP, or outside UTEP in-class or online.

If you are interested in this innovative degree, contact Dr. Nancy Marcus at nancymarcus@utep.edu.

**Some Suggested Pairings:**

Graduate Certificates in Mathematics and Finance
Graduate Certificates in Biology and Public Health
Graduate Certificates in Chemistry and Forensic Chemistry
Graduate Certificates in Gist and Petroleum
Graduate Certificates in Physics and Science Education
• **First Certificate from College of Science:**

  Link to certificate descriptions:
  
  [http://www.utep.edu/science/student-resources/degree-plans.html](http://www.utep.edu/science/student-resources/degree-plans.html)

  Big Data Analytics
  Bioinformatics Biology
  Biology
  Chemistry
  Geospatial Information Science and Technology (GIST)
  Applied and Computational Mathematics
  Applied Statistics
  Physics

• **Second Certificate:**
  
  Certificate from College of Science
  Certificate from another college at UTEP
  Certificate from NMSU
  Online Certificates from any Accredited University

Here are just a few of the offerings:

**UTEP Graduate Certificates**

**College of Business Administration:**

Accountancy
Entrepreneurship

**College of Education:**

Central Office Leadership
Higher Education Endorsement
School Site Leadership
College of Engineering:
Construction Management
Cyber Security
Electric Power and Energy Systems
Innovation and Entrepreneurship
International Manufacturing Engineering
Systems Engineering

College of Health Sciences:
Public Health
Bilingual Speech Language Pathology
Concussion Management Speech Language Pathology

College of Liberal Arts:
Homeland Security
Intelligence and National Security Studies
Leadership Studies
Open Source Intelligence
Teaching English to Speakers of Other Languages
Urban and Regional Planning
Graduate Certificate in Woman’s Studies
Bilingual Professional Writing
Technical and Professional Writing
Teaching History
Graduate Certificate in Teaching ESOL
Quantitative Methods in Psychology
Women’s and Gender Studies
**College of Science:**

Biological Sciences (Coming Soon)

Chemistry

Geospatial Information Science and Technology (GIST)

Applied Statistics

Applied and Computational Mathematics

Physics

Bioinformatics

Big Data Analytics (planning stage)

**School of Nursing:**

Nursing Education

Nursing Systems Management

Nurse Practitioner


Comprehensive List of Online Graduate Certificates in Forensic Science;


**Online Graduate Certificates Outside UTEP**

American Public University
Online Graduate Certificate in Environmental Hazard Mitigation and Restoration
Online Graduate Certificate in Environmental Risk Assessment
Online Graduate Certificate in Environmental Sustainability
Online graduate Certificate in Environmental Global Management
http://www.apu.apus.edu/lp2/environmental-science

ASU
Online Graduate Certificate in Advanced Analytics in Higher Education
Online Graduate Certificate in Biomimicry
Online Graduate Certificate in Biospecimen Repository Adminsitration
Online Health Care Innovation
Online Science of Health Care Delivery
Online Graduate Certificate in Biomimicry
Online Graduate Certificate in Biospecimen Repository Administration
Online Graduate Certificate in Social Entrepreneurship and Community Development
Graduate Certificate in Intellectual Property
Graduate Certificate in Health Law
Graduate Certificate in Environmental and Sustainability Law
Graduate Certificate in Genomics and Biotechnology
https://sbmi.uth.edu/prospective-students/academics/certificate.htm

Auburn University
Online Graduate Certificate in Educational Leadership
http://www.education.auburn.edu/graduate-degree-cert/educational-leadership-graduate-certificate/
Boston University
Online Graduate Certificate in Big Data Analytics – 16 hours
http://www.bu.edu/online/programs/certificate-programs/data-analytics/

Boston University
Online Graduate Certificate in Health Informatics
https://www.bu.edu/online/programs/certificate-programs/health-informatics/

Colorado State University
Online Graduate Certificate in Healthcare Administration
https://csuglobal.edu/graduate/programs/certificates-completion/healthcare-administration

Columbia University
Online Graduate Certificate in Actuarial Science
http://sps.columbia.edu/certificates/actuarial-science-certificate/courses

Coursera Through the University of San Diego
Online Graduate Certificate in Big Data Analytics – 6 courses
https://www.coursera.org/specializations/big-data?utm_source=gg&utm_medium=sem&campaignid=313639387&adgroupid=20631983107&device=c&keyword=%2Bcertifications%20%2Bin%20%2Bbig%20%2Bdata&matchtype=b&network=g&devicemodel=&adposition=1t3&creativeid=141006932088&hide_mobile_promo&gclid=CJntyPSP_s8CFQuLaQoduAgNWg

Florida International University
Graduate Certificate in Environmental Studies
George Mason University
Graduate Certificate in Actuarial Science
http://math.gmu.edu/graduate/cert-in-actuarial.php

Georgia Southern University
Online Graduate Certificate in Applied Economics
http://cogs.georgiasouthern.edu/admission/certificate-programs/graduate-certificate-in-applied-economics/

Johns Hopkins University
Online Graduate Certificate in the Business of Health Care
http://carey.jhu.edu/academics/certificate-programs/business-of-health-care

Kansas State University
Graduate Certificate in Data Analytics
http://global.k-state.edu/business/analytics/

Lesly University
Online Graduate Certificate in Science in Education
http://online.lesley.edu/online-programs/graduate-certificate-in-science-in-education/

MIT
Online Graduate Certificate in Big Data and Social Analytics

**New Mexico State University**

Online Graduate Certificate in Public Health

Online Graduate Certificate in Online Teaching and Learn

Cultural Resource Management

Museum Studies

**Public Utility Regulation and Economics (PURE)**

Finance

Public Health

**New Mexico Tech**

Online graduate certificate in Hydrology

https://act.nmt.edu/distance/hydrology/

**Penn State**

Online Graduate certificate in Earth Science Education

http://www.worldcampus.psu.edu/degrees-and-certificates/earth-science-education-certificate/overview

**Penn State**

Online Graduate Certificate in community and Economic Development


**Regis University**

Graduate certification in Applied Environmental Biology
Rice – Graduate Certificates
Graduate Certificate: Leadership
Graduate Certificate: Finance and Accounting
Graduate Certificate: Health Care Management
Graduate Certificate: Negotiations
Graduate Certificate: Strategic Management
Graduate Certificate in Customer-Focused Strategy
Rice University Education Entrepreneurship Program (REEP)

Rutgers
Online Graduate Certificate in Big Data
https://campustechnology.com/articles/2016/02/18/rutgers-launches-online-big-data-certificate-program.aspx

Stanford University
Online Graduate Certification Data Mining and Applications

Stanford University
Online Graduate Certificate Writing in the Sciences online graduate certificate
http://online.stanford.edu/course/writing-in-the-sciences
Online Graduate Certificate in Biotechnology


Stanford University

Online Graduate Certificate in Data Mining and Applications


Stanford University

Online Graduate Certificate in Data, Models and Optimization


Stanford University

Online Graduate Certificate Innovation and Entrepreneurship


Stanford University

Online Graduate Certificate in Biomedical Engineering: Imaging, Devices and System
Online Graduate Certificate in Communications Systems
Online Graduate Nanotechnology; Design and Manufacturing of Intelligent Systems
Montana State University:
Online graduate certificates in science teaching

Seton Hall University
Online Graduate Certificate in Healthcare Administration
https://www.shu.edu/academics/healthcare-administration-certificate.cfm

Texas A & M
Online Graduate Certificate in Petroleum Geoscience
https://engineering.tamu.edu/petroleum/academics/distance-learning

Texas A & M – Graduate certificate in Environmental Science
http://www.tamuc.edu/academics/colleges/scienceengineeringagriculture/departments/biologicalEnvironmentalSciences/graduate/certificateEnvScience.aspx

Texas Tech University
Wind Energy (Managerial) Graduate Certificate
Wind Energy (Technical) Graduate Certificate
Women’s Studies Graduate Certificate
Agricultural Communication Leadership Graduate Certificate
Agricultural Leadership Graduate Certificate
Crop Protection Graduate Certificate
Fibers and Biopolymers Graduate Certificate
Global Food Security Graduate Certificate
Horticulture Landscape Management Graduate Certificate
Soil Management Graduate Certificate
Digital Design and Fabrication Graduate Certificate
Health Care Facilities Design Graduate Certificate
Historic Preservation Graduate Certificate
Urban and Community Design Graduate Certificate
Book History and Digital Humanities Graduate Certificate
English Language for Academic and Professional Communication Graduate Certificate
Ethics Graduate Certificate
Geographic Information Science and Technology Graduate Certificate
Linguistics Graduate Certificate
Mathematics Graduate Certificate
Medieval and Renaissance Studies Graduate Certificate
Psychological Methods and Analysis Graduate Certificate (pending THECB approval)
Publishing and Editing Graduate Certificate
Strategic Studies Graduate Certificate
Teaching English in International Contexts Graduate Certificate
Teaching Technical Communication Graduate Certificate
Business Analytics Graduate Certificate
Essentials of Business Graduate Certificate
Finance Graduate Certificate
Applied Behavior Analysis Graduate Certificate
Autism Graduate Certificate
College Student Counseling Graduate Certificate
Developmental Literacy Graduate Certificate
Dual Sensory Impairment Graduate Certificate
Higher Education Administration Graduate Certificate
Institutional Research and Institutional Effectiveness (IRIE) Graduate Certificate
Master Mentor Graduate Certificate
Mental Health Counseling Graduate Certificate
Multidisciplinary Science Graduate Certificate
Sensory Impairment and Autism Spectrum Disorders Graduate Certificate
Special Education Transition Graduate Certificate
Teacher Advancement Program (TAP) Connect: Educational Leadership Graduate Certificate
Teacher Advancement Program (TAP) Connect: Literacy Graduate Certificate
Teacher Advancement Program (TAP) Connect: STEM Graduate Certificate
Teacher Leadership Graduate Certificate
Construction Engineering and Management Graduate Certificate
Cybersecurity for Critical Infrastructure Graduate Certificate
Forensic Engineering Graduate Certificate
Software Engineering Graduate Certificate
Addictions and the Family Graduate Certificate
Charitable Financial Planning Graduate Certificate
Gerontology Graduate Certificate
Personal Financial Planning Graduate Certificate
Youth Development Specialist Graduate Certificate
Youth Program Management and Evaluation Graduate Certificate
Art History, Criticism, and Theory Graduate Certificate
Early Music Performance Practice Graduate Certificate
Piano Pedagogy Graduate Certificate
Global Community Health Graduate Certificate

Texas State
Not – Online Graduate certificate in Environmental Interpretation, Water Resource Policy, GIST< and Location Analysis
http://www.geo.txstate.edu/degrees-programs/certificates.html

University of Arizona
Online Graduate Certificate in Health Administration
https://publichealth.arizona.edu/academics/certificates/health-administration

University of Colorado
Not - Online Graduate Certificate in Neurosience
University of Colorado Boulder
Graduate certificate in Environment, Policy, and Society
http://www.colorado.edu/envs/certificate-programs

University of Colorado
Graduate Certificate in Environmental Sciences
http://catalog.ucdenver.edu/preview_program.php?catoid=6&poid=1175&returnto=579

University of Colorado
Online Graduate Certificate Information Technology
http://www.usnews.com/education/online-education/university-of-colorado-at-boulder-OCIT0168/computer-information-technology

University of Florida
Graduate Certificate in Neuroscience
http://neuroscience.ufl.edu/education/biomedical-neuroscience-certificate-program/

University of Florida
Online Graduate Certificate in Forensic Toxicology
Online Graduate Certificate in Forensic DNA & Serology
Online Graduate Certificate in Forensic Drug Chemistry
Online Graduate Certificate in Clinical Toxicology
https://sbmi.uth.edu/prospective-students/academics/certificate.htm

University of Florida
Online graduate certificate in Pharmaceutical Chemistry
http://pharmchem.cop.ufl.edu/programs/graduate-certificate/
University of Florida
Online graduate Certificate in Pharmaeconomics
Online Graduate certificate in Biodegradation and Bioemediation
Online graduate certificate in Biomedical Neuroscience
Online graduate certificate in Ecological Restoration
Forensic Death Investigation
Geospatial Analysis
Instructional Design
K-12 Teaching with Technology
Medical Anatomy and Physiology
Medical Entomology
Medical Human Anatomy
Medical Physics
Medical Physiology
Online Teaching and Learning
Pharmaceutical Regulation
Public Health
Soil Ecosystems
Sustainable Land Resource and Nutrient Management
Veterinary Forensic Science
Wetland and Water Resource Management
Wildlife Forensic Science and Conservation
http://distance.ufl.edu/online-certificates/

University of Houston
Online graduate certificate in online Teaching and Learning
Integrating Innovative Technologies in Health Science Education
University of Houston
Graduate Certificate in Hydrogeology.
http://www.geosc.uh.edu/graduate/hydrogeology-certification/

University of Houston
Designing and Development Educational Graphics
http://www.uh.edu/distance/degrees-programs/online-certificates/ed-graphics-grad-cert/

University of Houston
Designing and Development Educational Multimedia
http://www.uh.edu/distance/degrees-programs/online-certificates/ed-multimedia-grad-cert/

University of Houston
Online Teaching and Learning
http://www.uh.edu/distance/degrees-programs/online-certificates/online-teach-learn-grad-cert/

University of Houston
Integrating Innovative Technologies in Health Science Education
http://www.uh.edu/distance/degrees-programs/online-certificates/innov-tech-grad-cert/

University of Houston
Foresight
http://www.uh.edu/distance/degrees-programs/online-certificates/foresight-grad-cert/

University of Houston
Corporate Entrepreneurship

http://www.uh.edu/distance/degrees-programs/online-certificates/corp-entr-undergrad-cert/

University of Houston
Technology Applications 7-12 Certificate
http://prtl.uhcl.edu/education/certifications/add-on-certificates/technology-applications-7-12

The University of Kansas
Graduate Certificate in Environment Assessment
https://edwardscampus.ku.edu/graduate-certificate-environmental-assessment

University of Massachusetts
Online Graduate Certificate in Health Informatics
https://continuinged.uml.edu/him/certificate_healthinformatics.cfm

University of New Mexico
Applied Behavior Analysis
Austism Spectrum Disorder
Clinical and Translational Science
Computation Science and Engineering
Educational Diagnosis
Historic Preservation and Regionalism
Law, Environment, and Geography
Race and Social Justice
Teaching English as a Second Language
University Science Teaching
Urban and Region Design
Women Studies

**UT Dallas Graduate Certificates**
Business Intelligence and Data Mining
Corporate Innovation
Cyber Security
Data Science
Economic & Demographic Data Analysis
Enterprise Systems
Fund Raising
Geographic Information System
Geospatial Intelligence
Healthcare Information Technology
Healthcare Leadership and Management for Physicians
Holocaust Studies
Lean Six Sigma
Lean Six Sigma in Healthcare Quality
Local Governing Management
Management
Mathematics/Science – Uteach Dallas
New Venture Entrepreneurship
Nonprofit Governance
Nonprofit Management
Oil and Gas Financial Management
Product Lifecycle and Supply Chain Management
Remote Sensing
University of Texas at Dallas
Online Graduate Certificate in Healthcare Leadership and Management
http://physician-leadership.utdallas.edu/?utm_source=google&utm_campaign=search-eta&utm_medium=cpc

University of Texas Health Science Center at Houston
Online graduate certificate in Biomedical Informatics
Online graduate certificate in Applied Biomedical Informatics
Online Graduate certificate in Public Health Informatics
https://sbmi.uth.edu/prospective-students/academics/certificate.htm

UT Rio Grande Valley
Online Graduate Certificate in Technology Leadership in Education, Digital Literacy Leader,
http://www.utcoursesonline.org/programs/programinfo/med/educationaltechnology/tlcert.html

UT San Antonio Graduate Certificates
Applied Behavior Analysis
Bilingual Reading Specialist
Business of Health
Creative Writing
Geographic Information Science
Higher Education Administration
Historic Preservation
Keyboard Pedagogy
Keyboard Performance
Language Acquisition and Bilingual Psychoeducational Assessment
Nonprofit Administration and Leadership
Real Estate Finance and Development
Rhetoric and Composition
Spanish Translation Studies
Teaching English as a Second Language
Technology Entrepreneurship and Management
Urban and Regional Planning
Voice Pedagogy

**Other Graduate Certificates**

University of Houston Online Graduate Certificates:
[http://www.uh.edu/distance/degrees-programs/online-certificates/](http://www.uh.edu/distance/degrees-programs/online-certificates/)

Kansas State University:
[http://global.k-state.edu/education/academic-advising/certificate/](http://global.k-state.edu/education/academic-advising/certificate/)

Johns Hopkins:
[http://advanced.jhu.edu/academics/certificate-programs/](http://advanced.jhu.edu/academics/certificate-programs/)

University of Arizona:
[http://www.arizona.edu/topics/academics](http://www.arizona.edu/topics/academics)

Georgian Southern:
[http://cogs.georgiasouthern.edu/admission/certificate-programs/graduate-certificate-in-applied-economics/](http://cogs.georgiasouthern.edu/admission/certificate-programs/graduate-certificate-in-applied-economics/)

University of Florida:
Portland State:
http://www.pdx.edu/esm/hydrology-certificate

University of Houston:
http://www.geosc.uh.edu/graduate/hydrogeology-certification/

University of Maryland
https://www.umuc.edu/analytics/academics/

Harvard:

Stanford:

Boston University:
http://www.bu.edu/online/programs/certificate-programs/data-analytics/

Boston University:
https://www.bu.edu/academics/sed/programs/science-education/graduate-certificate-in-general-science-education/

U of Mass
https://www.umb.edu/academics/caps/certificates/changing-world-science
Johns Hopkins:
http://advanced.jhu.edu/academics/certificate-programs/science-writing/

Washington State University:
https://online.wsu.edu/cert/ScienceTechnologyWriting.aspx

Universities offer various certificate programs that can enhance your skills and knowledge in specific areas. Here are a few examples:

Johns Hopkins – Graduate Certificates in Education

University of Houston – Graduate Certificates
http://www.uh.edu/graduate-school/prospective-students/programs/certificate-programs/

On Master's Degrees Outside UTEP

Columbia University
Online MS in Actuarial Science

Admission Requirements

- Bachelor's degree from an accredited institution in the United States or proof of equivalent education in a foreign institution with an overall GPA of at least 3.0.
- Undergraduate degree in science or mathematics or equivalent.
- Two letters of recommendation.
- Statement of purpose.
- TOEFL score of 550 or higher for international applicants whose first language is not English or who have not
completed a university degree in the U.S. or other English-Speaking institution.

- The GRE is not required for admission into the program.

- **How to Apply**
  - Students interested in the graduate programs must apply through UTEP's Graduate School. Please read the application procedure at [http://graduate.utep.edu/prospective.html](http://graduate.utep.edu/prospective.html)

- **Application Fees and Deadlines**
  - There is an application fee of $45 for US citizens, permanent residents and Mexican nationals. The application fee is $80 for international applicants.
  - The Fall semester application deadline established by the Graduate School is August 1 for US citizens and permanent residents, July 1 for Mexican nationals, and March 1 for other international applicants. However, after July 15 a $15.00 non-refundable fee for expedited processing will be assessed.

  - *For the most up-to-date information please refer to the Graduate School page on admission fees and deadlines - [http://graduate.utep.edu](http://graduate.utep.edu), or contact the Graduate School.*

- **Transcripts**
  - Official transcripts must be submitted with admission applications. Unofficial transcripts may be submitted temporarily, but official transcripts must sent to the Graduate School as soon as possible. The Graduate School will obtain transcripts for applicants who obtained their degrees at UTEP.

- **Application Forms**

  **Online Application for UTEP Graduate School**

  - The online application is at [https://apply.embark.com/grad/UTEP](https://apply.embark.com/grad/UTEP)
    Applicants will need to create an account if they are not Embark users.