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.

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.

- **First Certificate from College of Science:**
  - Bioinformatics
  - 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; http://www.guidetoonlineschools.com/degrees/forensic-science?lvl=32#list

**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%2Bin%2Bbig%2Bdata&matchtype=b&network=g&devicemodel=&adposition=1t3&creativeid=141006932088&hide_mobile_promo&gclid=CJntyPSP_s8CFQuLaQoduAgNWg

Florida International University
Graduate Certificate in Environmental Studies
https://earthenvironment.fiu.edu/programs/graduate/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
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
斯坦福大学
在线研究生认证  数据挖掘和应用

斯坦福大学
在线研究生证书 写作在科学
http://online.stanford.edu/course/writing-in-the-sciences

斯坦福大学
在线研究生证书 生物技术

斯坦福大学
在线研究生证书 数据挖掘和应用

斯坦福大学
在线研究生证书 数据,模型和优化

斯坦福大学
在线研究生证书 创新和创业
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/biologicialEnvironmentalSciences/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 Neuroscience
http://www.colorado.edu/neuroscienceprogram/gradcert.html

**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
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
https://sbmi.uth.edu/prospective-students/academics/certificate.htm

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
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,

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/

Kansas State University:
http://global.k-state.edu/education/academic-advising/certificate/
Johns Hopkins:  
http://advanced.jhu.edu/academics/certificate-programs/

University of Arizona:  
http://www.arizona.edu/topics/academics

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

University of Florida:  
http://catalog.distance.ufl.edu/program.aspx?p=186

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

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