

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.

If you plan to use the professional masters to be dual credit certified, the first certificate in your discipline must be at least 18 graduate hours. The second certificate could be in STEM Education.

1. First Certificate from College of Science:

Applied and Computational Mathematics

Applied Statistics

Bioinformatics

Biology

Chemistry

Big Data Analytics

Geospatial Information Science and Technology (GIST)

Physics

2. 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

UTEP Connect – Online Graduate Certificates – Must be at least 15 graduate hours

Technical and Professional Writing

Systems Engineering

Construction Management

Early Intervention Studies

Urban and Regional Planning

College of Business Administration:

Accountancy

Entrepreneurship

College of Education:

STEM Education Online

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:

Applied Statistics
Applied and Computational Mathematics
Bioinformatics

Biological Sciences

Chemistry

Bug Data Analytics

Geospatial Information Science and Technology (GIST)

Physics

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 Gifted Education

Online Graduate Certificate in Biomimicry

Online Graduate Certificate in Biospecimen Repository Administration

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=&adpostion=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 n Big Data and Social Analytics

http://getsmyarter.mit.edu/big-data-and-social-analytics-course/?utm_source=PPC&utm_medium=adwords_ppc&utm_campaign=MIT_BDSA_aw_usa&gclid=CPSw2L6R_s8CFQEyaQod8sEFJQ

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

<http://www.worldcampus.psu.edu/degrees-and-certificates/community-and-economic-development-certificate/overview>

Regis University

Graduate certification in Applied Environmental Biology

<http://www.regis.edu/RC/Academics/Degrees-and-Programs/Certificates-and-Licensures/Certificate-in-Environmental-Biology.aspx>

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

<http://www.gradschools.com/graduate-schools-in-united-states/online/stanford-university/data-mining-and-applications-258815>

Stanford University

Online Graduate Certificate Writing in the Sciences online graduate certificate

<http://online.stanford.edu/course/writing-in-the-sciences>

Stanford University

Online Graduate Certificate in Biotechnology

<http://scpd.stanford.edu/public/category/courseCategoryCertificateProfile.do?method=load&certificateId=27309038>

Stanford University

Online Graduate Certificate in Data Mining and Applications

<http://scpd.stanford.edu/public/category/courseCategoryCertificateProfile.do?method=load&certificateId=1209602>

Stanford University

Online Graduate Certificate in Data, Models and Optimization

<http://scpd.stanford.edu/public/category/courseCategoryCertificateProfile.do?method=load&certificateId=58063419>

Stanford University

Online Graduate Certificate Innovation and Entrepreneurship

<http://scpd.stanford.edu/public/category/courseCategoryCertificateProfile.do?method=load&certificateId=14800052>

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, GIS 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

<http://neuroscience.ufl.edu/education/biomedical-neuroscience-certificate-program/>

Graduate Certificate in Science Education

<https://education.ufl.edu/science-education/certificate/>

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

<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
Autism 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 Southern Florida:

Online graduate certificate in Epidemiology

<https://health.usf.edu/publichealth/onlineprograms/Concepts-and-Tools-of-Epidemiology>

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/tlecert.html>

UT San Antonio Graduate Certificates

Applied Behavior Analysis

Bilingual Reading Specialist

Business of Health

Creative Writing

Environmental Science

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:

http://www.extension.harvard.edu/academics/courses/courses-by-certificate/Data%20Science%20Certificate?_ga=1.206903441.3652614176.1473609148

Stanford:

<http://scpd.stanford.edu/public/category/courseCategoryCertificateProfile.do?method=load&certificateId=10555807>

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/>

Other schools offering graduate certificates:

<https://best-graduate-programs.com/certificate>

On Master's Degrees Outside UTEP

Columbia University

Online MS in Actuarial Science