S&T Global Learning
Education that fits
Meet Your Presenter

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Successful people are just regular people with successful work habits.
Overview

> Education that fits
> Why Missouri S&T?
> Project Management Programs
> Systems Engineering Programs
> Science & Technology Programs
> Other Programs
> Ready to apply?
> Student Support Service
> Professional Development
> About Missouri S&T
> Questions

Discover what’s next…
Education that meets your needs

> S&T Global Classroom
  - Bringing the traditional classroom to the rest of the world
  - Live class participation through streaming video
    > Maintains student-to-faculty interaction
    > Synchronous – watch with a live presence
    > Asynchronous – watch the archived class
  - Flexible time & location – fits your schedule
  - Combines traditional, online and blended
Why S&T Global?

- **Affordable**
  > Utilize Company Tuition Reimbursement
  > Have a deferred tuition program

- **Accessible**
  > Courses delivered over internet via live streaming
  > Archived for review & access throughout semester

- **Achievable**
  > 4 courses to complete graduate certificate program
  > GRE/GMAT waived with completion of certificate
    - With a B or better in each of the 4 courses
  > 10 courses to complete master’s degree
    (includes certificate classes)
    - MBA: 12 courses
    - I/O Psychology: 14 courses

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18 Master’s Degree Programs (limited doctorate option)

60+ Graduate Certificates
Why Missouri S&T?

#2
Best value online big data programs of 2016

#5
Best online master’s in engineering management

15
Nationally ranked online graduate programs

  > Veterans – Grad Engineering
  > MBA Programs
  > Industrial – Grad Engineering
  > Management – Grad Engineering
  > Overall Grad Engineering

“I wasn’t sure about the whole distance education thing, but I quickly realized that the program was flexible and I could continue to work full time while taking classes.”

– Jeffrey Jenkins, MBA
Why Missouri S&T?

Pathway to a Master’s Degree

- Graduate Certificate (4 courses)
- 4 courses + B or Better Grade = No GRE for MS Program
- Finish Course Requirements = Master of Science
Project Management

Master of Science in Engineering Management (10 courses)

Graduate Certificates — Pathway to MS (4 courses)

- **Lean Six Sigma**
  - Process improvement methodology designed to eliminate problems, remove waste and inefficiencies
  - Prepares professionals for variation and waste reduction projects and provides sound statistical background
  - Solid foundation of Lean Six Sigma methods and practices that can be applied in your work

- **Financial Engineering**
  - Provides the tools to meet standards of Global Association of Risk Professionals (GARP) and Professional Risk Managers’ International Association (PRMIA)
  - Study finance theory, financial markets and financial instruments, market risk measures, quantitative analysis and more

- **Project Management**
  - Equips students with the tools to achieve Project Management Institute standards in project management area
  - Learn to successfully manage projects and human resources, and to critically analyze systems
Masters of Business Administration – AACSB Accredited (12 courses)

Graduate Certificates — Pathway to MS (4 courses)

- **Enterprise Resource Planning (ERP)**
  - S&T has an SAP Next-Gen Chapter, part of SAP University Alliance Program and part of Microsoft’s™ University Alliance

- **Business Project Management**
  - Equips students with the tools to achieve Project Management Institute standards in project management area
  - Learn to make sound decisions, plan, critically analyze, and control key resources in an organization

- **Digital Supply Chain Management**
  - Draws on strengths to help integrate source, production, and delivery processes with the focus on information technologies

- **Finance**
  - In-depth exposure to finance, investments & financial statement analysis and modeling

- **Management and Leadership**
  - Provides the tools to successfully manage and lead technological enterprises
Master of Science in Systems Engineering (10 courses)

Graduate Certificates — Pathway to MS (4 courses)

- Computational Intelligence
- Financial Engineering
- Model Based Systems Engineering
- Network Centric Systems
- Systems Engineering

As part of your master’s degree track in Systems Engineering, you can obtain two graduate certificates toward fulfilling your MS requirements.
Member of National MxD Manufacturing Times Digital Institute with the focus on Design, Product Development, and Systems Engineering in Chicago

Only university to have four INCOSE Steven’s Doctoral Awardees (advisor Dr. Dagli, 2008, 2010, 2013, 2014)

Educated 608 Systems Engineering MS graduates and 14 System Engineering PhD Graduates

Located in the Engineering Management and Systems Engineering Department within the College of Engineering and Computing

Nine teaching and adjunct faculty from premier aerospace industry nationwide and internationally

Missouri S&T’s Online Graduate Engineering program ranked #17 among public universities by USN&WR (2020)

The diversity of research and teaching specialization areas are maintained through five affiliated faculty who have joint appointments with the Electrical and Computer Engineering and Mechanical and Aerospace Engineering departments

One National Academy of Engineering and Seven IEEE Fellows
One INCOSE Fellow and two IISE Fellow

Dr. Cihan H. Dagli - INCOSE, IISE, IFPR Fellow & Life Member of IEEE
- Founder & Director Systems Engineering Graduate Program
- Principal Investigator DoD Systems Engineering Research Center
Science & Technology

Master of Science in Computer Science (10 courses)
Graduate Certificates — Pathway to MS (4 courses)

- **Cybersecurity**
  - Meets majority of requirements for the National Initiative for Cyber Security Education standards

- **Computational Intelligence**
  - Develop the skills necessary in the use and development of computational intelligence algorithms based on evolutionary computation, neural networks, fuzzy logic, and complex systems theory

- **Big Data Management and Analytics**
  - Develop the skills necessary for the use and development of big data management, big data analytics, data mining, cloud computing, and business intelligence

- **Big Data Management and Security**
  - Develop the skills that are necessary for the use and development of big data securely and efficiently
Master of Science in Information Science and Technology (10 courses)

Graduate Certificates — Pathway to MS (4 courses)

- **AI, Machine Learning and Automation in Business**
  - Learn how to integrate machine learning where appropriate, incorporating its capabilities with those of humans

- **Cyber Security and Information Assurance Management**
  - Focus on technologies and methods used to ensure protection of information systems, as well as confidentiality, integrity, and authenticity of information

- **Business Analytics and Data Science**
  - Learn to identify trends, create predictive models for forecasting, and optimize business processes for enhanced performance

- **Information Systems Project Management**
  - Learn to effectively manage the process of developing large software systems and be exposed to Project Management Institute (PMI) standards
Science & Technology

Master of Science in Aerospace Engineering And Mechanical Engineering (10 courses)

Graduate Certificates — Pathway to MS (4 courses)

– Composite Materials and Structures
– Control Systems
– Engineering Mechanics
– Manufacturing Automation

“I can almost instantly apply something that I learned in class to my work the next day.”

Margaret Bowman, MS CE
Photo by Stuart Isett
Science & Technology

Master of Science in Electrical Engineering and Computer Engineering (10 courses)

Graduate Certificates — Pathway to MS (4 courses)

- Advanced Control Systems
- Automation Engineering and PLC
- Computational Intelligence
- Electric Machines and Drives
- Electric Power Systems Engineering
- Information Assurance and Security Officer Essentials
- Network Centric Systems
Other Programs

Master of Science in Industrial-Organizational Psychology
(14 courses – 40 credit hours)

Graduate Certificates — Pathway to MS (4 courses)

- Statistical Methods in Psychology
- Applied Workplace Psychology

Prepares students to:
> Develop assessments of people for job selection and placement
> Develop effective training programs
> Learn strategies for organizational development
> Measure performance and discover ways to promote the quality of work-life balance

More programs can be found distance.mst.edu
Ready to Apply…

> Apply online at:
  – https://connect.mst.edu/apply

> Application Checklist
  – Graduate Distance Application (no fee)
  – Transcripts
  – Statement of Purpose (2-3 paragraphs)
  – Additional materials for master’s degree applicants not entering through a graduate certificate program
    > GRE/GMAT scores
    > Three letters of recommendation
    > Resume
Student Support

> Program Questions
  – Contact Sylvia Skouby
    > sms@mst.edu
    > (573) 341-4401

> Application Questions
  – Clorice Reyes
    Student Services
    > (573) 341-6591
    > global@mst.edu
Check out pce.mst.edu

- Non-credit short courses help bridge education gaps
- Opportunity to partner with corporations to develop courses to specifically reach their needs

Program Questions
Contact Sue Turner
(573) 341-6222
pce@mst.edu
About Missouri S&T

- Part of UM System
  - Public Technological Research University
- Missouri S&T will celebrate 150 years starting in 2020
  - Distance classes began in 1976 and have only grown stronger over the years
- STEM-focused university with subject matter experts teaching distance courses
- S&T Strategic Plan
  - “To think creatively, we must be able to look afresh at what we normally take for granted.” - George Keller
- Enrollment
  - FS 2019: 8,096 students
    > 6,324 undergraduates
    > 1,634 graduates (43% or 704 distance students)
Stay up-to-date by following one or all of these social media avenues

> LinkedIn  
  – https://www.linkedin.com/in/dcemstedu/

> Facebook  
  – https://www.facebook.com/sandtgloballearning/

> Twitter  
  – twitter.com/SandT_Global
Questions & Thank You

Find distance student resources here: https://distance.mst.edu/student-resources/