

S&T Global Learning Education that fits

MISSOURI
S&T



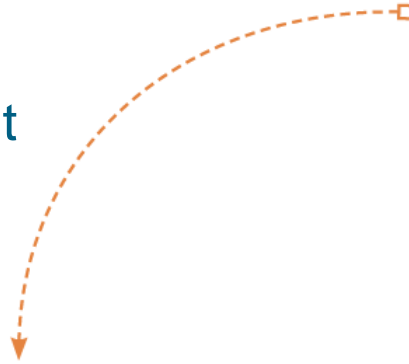
Meet Your Presenter



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Overview

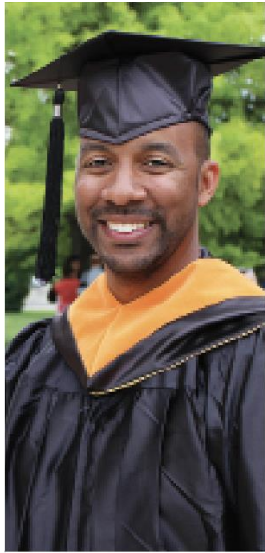
- > Education that fits
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- > Project Management Programs
- > Systems Engineering Programs
- > Science & Technology Programs
- > Other Programs
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**Discover
what's next...**

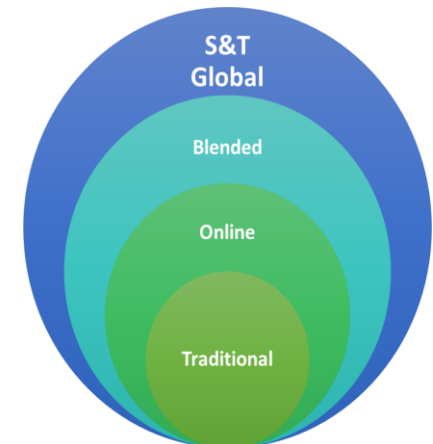


Education that fits.



- > 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



Education that fits

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



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



- **US News & World Report Rankings:
BEST ONLINE PROGRAMS 2020**
 - > 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

Project Management

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


Systems Engineering

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.



“If you have to travel for work, you can still log in and participate in the class.”

Tyria Riley, PhD EMgt

Photo by Anna Gerling

Systems Engineering

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

Science & Technology

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



Professional Development

PROFESSIONAL AND CONTINUING EDUCATION

216 Centennial Hall, 300 W. 12th St., Rolla, MO 65409-1560 (573) 341-6222 (573) 341-4992 pce@mst.edu



NEVER STOP LEARNING.

- > 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)

Connect with us:

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/>