TEXAS A&M UNIVERSITY
Engineering

MASTER OF ENGINEERING TECHNICAL MANAGEMENT

DESIGNED FOR WORKING PROFESSIONALS, BY EXPERIENCED PROFESSIONALS

Online | Part-Time | 4 Semesters

TEXAS A&M UNIVERSITY

ESTABLISHED 1876

74,000+
current students

520,000+
alumni

4,800+
Faculty & Researchers

135+
Undergraduate Programs

270+
Graduate Programs

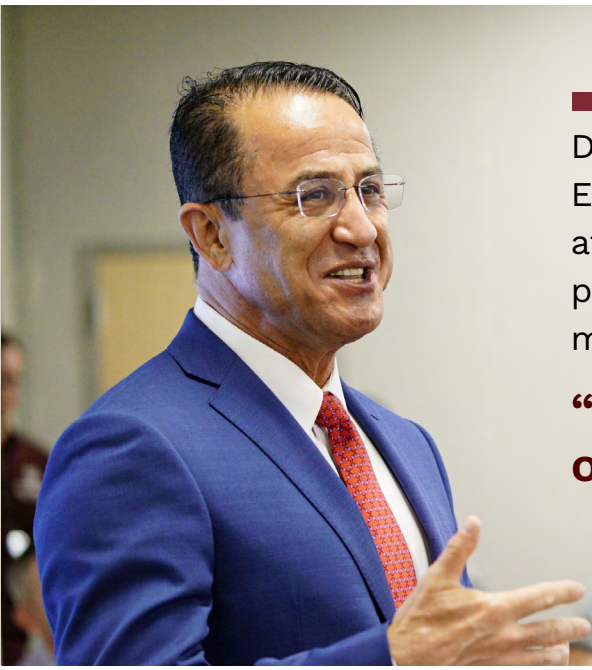
COLLEGE OF ENGINEERING

Consistently ranked among the nation's top public engineering programs

#1 in Texas - Best Online Master's in Engineering Programs
2022 U.S. News & World Report

#6 in the Nation - Public Graduate Program
2023 U.S. News & World Report

710	2.1 Million	78	247	30	100%
FACULTY	SQUARE FEET OF LEARNING SPACE	PROFESSORS OF PRACTICE	PROFESSIONAL SOCIETY FELLOWS	NATIONAL AND INTERNATIONAL ACADEMY MEMBERS	OF ENGINEERING CLASSES LESS THAN 100 STUDENTS



Dr. Ben Zoghi, founding director of the Master of Engineering in Technical Management program at Texas A&M, has developed a custom master's program specifically for engineers who want to move up in business.

"The fastest, surest way to improve our outcomes is to improve ourselves."

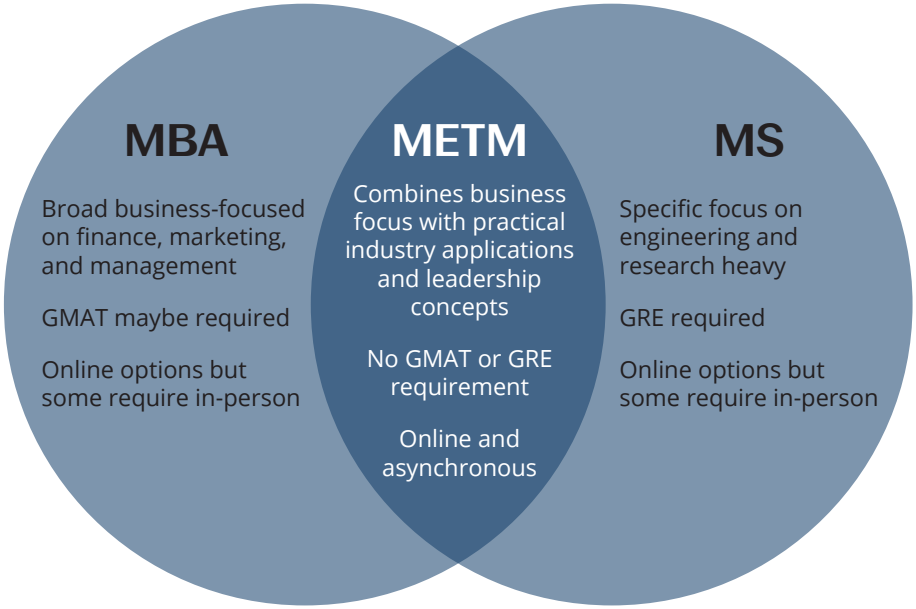
-Dr. Zoghi

The Master of Engineering Technical Management (METM) graduate degree is online, part-time, asynchronous, and designed for early to mid-career working professionals. The program provides engineering and technology professionals with the business background needed to excel. Learned skills include leadership, project management, data-driven decision-making, and emotional intelligence.

Industry-oriented, this rigorous program is relevant to electronics, manufacturing, automation, energy, process and related industrial channels. The program targets high-potential professionals and creates a foundation for the company's future leaders.

METM differs from a traditional Master of Science in Engineering by concentrating on current industry best practices rather than research. In addition to this, METM differs from a traditional Master of Business Administration (MBA) by emphasizing the technical and engineering context of business topics. METM's curriculum, carefully crafted in consultation with industry leaders, provides a unique blend of industry-critical skills in managing people, projects and profitability. The curriculum is taught by world-class faculty with 80% coming from industry.

With the challenges facing us on a global level, there is a new need for technology-driven companies to develop their high-potential employees to integrate technical and business skills to solve these difficult problems. Currently, most graduate programs focus on technical skills or business acumen, but not both. METM fills this gap by meeting the demand for such professionals and is distinctive among engineering programs in the intersection of business, management, engineering and leadership.



HOW IS METM UNIQUE?

Emphasis on industry best practices for leadership using Emotional Intelligence and coaches

Texas A&M Campus residency experience bonds students for better online teamwork

Faculty averages over 30 years of industry experience using real-world coursework

Individually customized capstone project

METM BENEFITS

Advantages for Participants

- Earn your degree with minimal disruption to your job and family.
- Expand your professional network.
- Immediately apply what you learn to your job.
- Be able to research current issues facing your company.
- Become a part of the Aggie network and earn your Aggie ring.

Advantages for Employers

- Transform engineer talent into technical leaders.
- Return on investment through student's company-focused capstone project.
- Minimal impact to your workplace since online, asynchronous program allows employees to work at the company.
- Students bring the skills they learn to their jobs right away.
- Improve employee retention.

By the end of the program, students will be able to

- Develop a technical program for an engineering project.
- Lead and manage a diverse team of technical professionals.
- Create and implement corporate strategic technology plans.
- Communicate with non-technical customers and colleagues.
- Have a framework for data-driven decision-making.
- Manage resources and assets.

PROGRAM STRUCTURE

At the beginning of each academic year, students are required to attend a one-week residency at Texas A&M University. After residency week, students will return home where they will complete the remaining coursework online throughout the Fall and Spring semesters. In the final semester, students are invited to participate in graduation ceremonies in College Station, Texas.

YEAR 1

RESIDENCY WEEK

Residency week occurs at Texas A&M University campus in College Station, Texas. Residency week offers students an immersive learning environment to begin each year and allows students to connect face-to-face with their fellow classmates and faculty. Students will also have the opportunity to engage in lively debates, develop new perspectives on their leadership style, and to hear from guest speakers such as industry executives.

TCMT 610 Engineering Personal Leadership

Addresses Emotional Intelligence (EQ) and developing cognitive, emotional, and behavioral capabilities so students will become effective leaders. The course will explore the area of emotional intelligence, identify personal EQ competencies and areas for improvement, and build on these competencies and skills.

TCMT 619 Personal Leadership Coaching*

A unique opportunity to engage in experiential learning, work one-on-one with a professional coach and develop a comprehensive leadership development plan based on the findings and insights from your EQ-i 2.0 assessment report. In a series of interactive and reflective one-on-one sessions, you will deepen your understanding of your emotional competencies and identify areas of improvement.

* continued throughout the fall semester

SEMESTER 1

TCMT 612 Technical Management Decision-Making

Instills a general intuition for data-driven decision-making and equips leaders with the tools and techniques necessary to analyze large databases and use effective data visualization to gauge key metrics.

TCMT 613 Technical Project Management

Provides professionals with advanced tools and techniques to strategically execute projects, programs and portfolios. The course provides advanced skills and practical instruction on the processes, organizational structure and tools that assure project work yields desired business results.

YEAR 1

YEAR 2

SEMESTER 2

TCMT 623 Financial Decision-Making

Covers financial engineering for technical managers, accounting and financial concepts to provide every manager with a critical perspective on business performance and a foundation for good decision-making.

TCMT 624 Managing Technical Teams

Examines the behavioral sciences relevant to the effective management of people and effective design of human resource systems, structures and policies. Topics include leadership, change management, motivation and pay systems, team dynamics, staffing, decision-making, organizational communications, employee participation, performance appraisal, conflict management, negotiation, work design, organizational design, and organizational culture.

RESIDENCY WEEK 2

TCMT 636 Persuasive Communications for Technical Managers

The course emphasizes the importance of effective communication with a focus on executive interactions, working with senior and mid-level managers, and communicating with team members or direct report employees. The course will cover tools, and techniques and give students an opportunity to practice these approaches and receive real-time feedback.

TCMT 630 Organizational Leadership for Senior Technical Leaders

This course focuses on the art of becoming a senior technical leader by exploring key components and skills necessary to make the transition from industry technical management to C-level management; a combination of lectures, scenarios, reflections and practical application of learning beyond the classroom. The objective of this class is to prepare you to move from technical management to executive C-level management. We will establish a foundation of learning that will guide you for many years in your career.

SEMESTER 3

TCMT 631 Capstone Project I

Students benefit from a one-on-one mentoring relationship with a top-level technology executive, matched to their professional interests and goals, over the course of the program. Students gain firsthand knowledge of the practices, experiences, and values of a successful technology management leader. Mentors are matched with students starting in the second year, at the conception of the master's project. Providing true executive guidance and advice, mentors work with their mentees through the final defense of the master's project and graduation.

TCMT 634 Value Chain Management

This practice-oriented engineering and supply chain management course investigates a robust framework for better managing supply chains in today's rapidly changing markets. The course covers the next big trend in supply chain strategy, key skills required to be successful, how to effectively structure a company's supply chain strategy, guidelines for making strategic sourcing and make-buy decisions, and how to integrate e-business thinking into supply chain strategy and management.

YEAR 2

SEMESTER 3

TCMT 689 AI/ML For Technical Managers and Leaders

Prepares managers and leaders to effectively guide and lead value-generating Machine Learning and Artificial Intelligence programs in a business or organization. This class introduces and teaches foundational concepts about Machine Learning and Artificial Intelligence models, how they conceptually work at a high level, and which categories of problems they apply to in the real world.

SEMESTER 4

TCMT 641 Capstone Project II

The master's project demonstrates students' ability to apply their coursework toward a specific technology solution based on the area of focus chosen by the student — usually in the form of a product or service — to a complex, real-world business challenge, objective, or scenario.

TCMT 643 Contract & Risk Management

An introduction to the principles of contract formation. This course highlights the distinctive characteristics of contracting as well as the team concept for effective contracting and the role of the program manager as a key team member. Subcontract management, competitive negotiation techniques, contract financing, and cost reimbursement are also discussed.

CAPSTONE

Industry Capstone Project

The culmination of the METM program takes place at the end of the fourth and final semester. Students will be required to deliver their final project presentations virtually to their faculty mentor and company representative.

Student will select, define, elucidate, conduct and conclude a research project for a business entity of their choice.

- The project should have a significant positive impact on the firm's business or research programs, initiatives, persistent problem areas or operational activities.
- Select a research topic, develop a problem statement and single-page strategy, and generate a proposal.
- Present a mid-term update, compile a final written report, and provide an virtual presentation for the METM faculty; include performance evidence of the proposed results.

FACULTY

Sunshine Webster

Master of Engineering Technical Management Director
Industry Professor

Sunshine Webster is the director of Texas A&M University's Master of Engineering Technical Management. She previously served as senior manager of talent development for Q2, a global financial experience company that provides digital banking and lending solutions. In this role, she was responsible for growth and development opportunities for all team members. Prior to Q2, Dr. Webster spent time at the University of Texas as a faculty member in the College of Engineering and as an MBA+ Coach. Dr. Webster supports non-profit organizations in her spare time. She has raised approximately $3 million for Austin non-profit organizations through grant writing.

She has a Bachelor of Science degree in Communication from The University of Texas at Austin, Master of Arts in Communication Studies from Louisiana State University, and a Ph.D. in Communication Studies with an emphasis in organizational communication from The University of Texas at Austin.

Ben Zoghi

Master of Engineering Technical Management Founding Director
Victor H. Thompson Professor

Dr. Ben Zoghi is the founding director of the Master of Engineering Technical Management (METM) program at Texas A&M University. He also served as the Director of the Thomas and Joan Read Center and associate department head for research at the Department of Engineering Technology and Industrial Distribution at Texas A&M. Currently, he serves as the Associate Dean for Advanced Studies and Industrial Relationships, Executive Director of Hart Center for Engineering Leadership, Bobby B. Lyle Endowed Professor of Engineering Innovation and Professor of Electrical and Computer Engineering in the Lyle School of Engineering at SMU.

Chahriar Assad

Industry Professor

Dr. Chahriar Assad joined The Boeing Company (then Hughes) in the early 1990s. He is now a chief scientist in charge of all space qualifications for the Space and Launch division. Dr. Assad was a Hughes MBA Executive Fellow to MIT where he received his masters from Sloan. He was also a Welch Foundation Pre-doctoral Scholar at Texas A&M University where he earned a Ph.D. in Atomic Physics. He is an adjunct Professor in the College of Business and Public Administration at CSUSB, and also a lecturer in the Departments of Eng. and Tech. Management at UCLA Extension.

Noushin Bayat

Industry Professor

Dr. Noushin Bayat works as an executive coach and human capital thought leader with 15+ years of experience leading and managing complex change initiatives. Bayat is the founder of Engaging Wisdom, Inc. and serves as the director of digital transformation for Executive Leadership Consulting. Bayat holds a Doctorate in Organizational Leadership, a Master's in Spiritual Psychology, a Master of Public Health and a Bachelor of Science in Computer Science and Communication.

Karrie Burns

Industry Professor

Karrie Burns is an experienced leadership coach, facilitator, speaker, and author, specializing in experiential learning with a focus on emotional intelligence and team dynamics. She has developed and led international leadership programs for GE's Crotonville Management Institute and collaborated with notable corporations like Boeing, Procter and Gamble, 3M, and IBM. Her broad career spans military, government, startups, and the corporate sector. An alumna of Texas A&M University, Karrie holds a degree in Political Science and International Business.

Lance Decker

Industry Professor

Dr. Lance Decker is a General Engineer researcher with the U.S. Department of Transportation, Federal Motor Carrier Safety Administration. Dr. Decker is a veteran of the U.S. Air Force where he served as an avionics technician and technical instructor. Dr. Decker was in the first cohort of the METM program and followed through by obtaining a PhD degree in Interdisciplinary Engineering at Texas A&M University. He also serves as an adjunct professor at the University of Rhode Island and is a Project Management Professional and a certified Scaled Agile Framework Agilist.

Dixie Fleming

Industry Professor

Dixie Fleming has a Master of Science in Leadership and Ethics and is passionate about building highly effective teams and helping individuals and teams to focus on learning and results. As a Certified Executive Coach, Dixie has utilized her knowledge and experience to coach and mentor teams throughout her 30-year career at Dell, Motorola, American Airlines and most recently General Motors in Manufacturing Cyber Security.

Jun Gao

Industry Professor

Dr. Jun Gao is the Group Leader of the Logistics and Supply Chain Management Group for Weapons Production at Los Alamos National Laboratory (LANL). He supports the Detonator Production Division in maintaining a safe and secure War Reserve (WR) detonator production through technical leadership, engineering, and manufacturing. He is also the Weapons System Hydrotest Advisory Panel committee member and serves as the lead for the Weapons System Hydrodynamic Engineering Working Group. Dr. Gao holds a Doctorate in Biomedical Science and a Master's in Technical Engineering Management.

Jason Hannam

Industry Professor

Jason Hannam is the vice president of product development at SafeKick Americas and is responsible for the development of product lines, establishing commercial partnerships and ensuring project success. Hannam's career history includes serving as the Director of Product Development for Impact Drilling Solutions, System Integrator for Omnia Technology, Design Engineer for Downhole Technologies and Design and Validation Engineer for Triconex.

Chris Havern

Industry Professor

Christopher Havern is an executive with many years' experience leading complex, global businesses. He is currently an owner and serves on the board of Shaw Pipeline Services, and has previously worked for Mattr, Baker Hughes, Ernst & Young, and as an advisor to a tech startup. Havern's expertise is leading, growing and transforming industrial services companies, often repositioning them as the technology and service leaders in their space. He holds a Master of Business Administration from Texas A&M University and a Bachelor of Science in Accounting from Oklahoma State University.

Jay Hembree

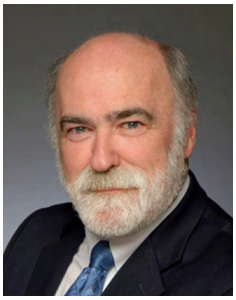
Industry Professor

Jay Hembree is an Air Force Veteran and spent 12 years on the F-35 program with Lockheed Martin as a supervisor, program manager, production manager, and senior manager. He is currently the Site Lead of GE Aerospace On Wing Support–DFW where he leads a team focused on field support and in-shop Maintenance, Overhaul, and Repair of GE commercial engines. As a 2022 graduate of the METM program, Jay is excited to leverage his unique experiences as a former student as well as share his project management and leadership experience.

Ryan Holt

Industry Professor

Ryan has 16 years' worth of experience in Design Engineering, Manufacturing Engineering, and Operations within the Oil and Gas and Electronic Manufacturing industries. After serving in the United States Marine Corps as an infantryman and amphibious assault vehicle gunner and commander, Ryan enrolled in Lamar University in Beaumont, and was conferred a BS in Industrial Engineering Technology. Following the completion of his undergrad, he was accepted into the inaugural cohort of the METM program and graduated as a proud member of the Fighting Texas Aggie Class of 2020. Ryan holds a third degree in Engineering Design Graphics.



John Hughes

Industry Professor

John Hughes has over 30 years of experience in corporate training with the last 20 focused on measurement and development of emotional intelligence skills. Hughes is the president of E.I. Assessments where he designs and delivers leadership programs focused on emotional intelligence.

Hughes' career history includes serving as the senior internal consultant & director of training & development for The New York Times, training specialist & IAR for IBM and director of residence and adjunct professor of psychology at Iona College. Hughes holds a Master of Science in Counseling and a Bachelor of Arts in Psychology

Dr. Belle Jones

Industry Professor

Dr. Belle Jones enlisted in the Women's Army Corps (WAC) in 1976 and later transferred to the Army Reserves. In 2011, she was promoted to the rank of Brigadier General. Jones completed a 15-month deployment in Kuwait, serving as the Commanding General of the 335th Signal Command (Theater).

Jones's civilian accomplishments include 25 years as a peace officer with the California Department of Corrections and six years in Clinical Psychology. She has a bachelor's degree in liberal arts from Excelsior College and a master's and doctoral degree in psychology from Saybrook University.

Dr. Yuexin Liu

Instructional Assistant Professor

Dr. Yuexin Liu received her Ph.D. in Mathematical Sciences from the New Jersey Institute of Technology (NJIT) under the supervision of Prof. Yuan-Nan Young and Prof. On Shun Pak in 2022. Her research interests include machine learning, artificial intelligence, reinforcement learning and deep neural networks, with applications in fluid mechanics, AI-powered swimmers, and low-Reynolds-number locomotory. Her work has been published in several journals (e.g., Physics of Fluids, Communication Physics). She has served as a reviewer for Physics of Fluids.

Christopher Maguire

Industry Professor

Christopher Maguire currently serves as the Deputy Chief Engineer within the F-16 Chief Engineer's Office at Lockheed Martin Aeronautics in Fort Worth, Texas. He has been with Lockheed Martin for nearly 9 years as an aeronautical engineer and has experience and expertise in project engineering, systems engineering, and aerodynamics. He is the current President of the Association of Airworthiness Professionals (AAP). He earned his Bachelor of Science in Aerospace Engineering in 2011 and Master of Engineering Technical Management in 2020 at Texas A&M University.

Ahmed Mahmoud

Industry Professor

Ahmed Mahmoud is the CIO, Global Manufacturing, Global Purchasing and Supply Chain (GPSC) at General Motors and serves as GM's Executive Champion for Texas A&M University. He has more than 25 years leading teams in enterprise level information technology (IT) and is a recognized IT industry leader. He was named to Computerworld's "Premier 100 IT leaders" in 2009. He served as Senior VP of Hewlett-Packard's hp.com, e-commerce and marketing organizations, Senior VP and CIO of AMD, VP of IT in Supply Chain at Dell Inc., and IT leadership positions at Eastman
Kodak Company.

Rustom Mody

Industry Professor

Rustom Mody received a Master of Science degree in Mechanical Engineering from the University of Oklahoma and a Master of Business Administration degree in Finance and Marketing from the University of Houston. He is a Registered Professional Engineer in the state of Texas and holds 17 patents. Mody is currently the Vice President of Technical Excellence at Baker Hughes, a GE Company. His dynamic leadership combined with his expertise in both engineering and business continue to bring him a successful, accomplished career.

Denise Preusser

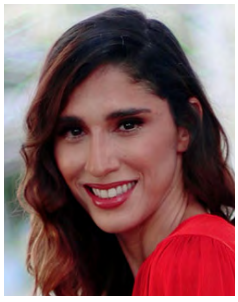
Industry Professor

Dr. Denise Preusser is the founder and president of Agler Consulting, providing executive coaching, focus groups and customized training for businesses. She is also an adjunct professor for the MBA and EMBA programs at Walsh University. Preusser's career history includes serving as an adjunct professor at John Carroll University and a guidance counselor at two school systems. Preusser holds a Ph.D. in Organizational Systems and a Master of Science in Counseling and Human Development.

Mano Rao

Industry Professor

Dr. Mano Rao has over 30 years of experience in the Information Technology industry at iconic companies like IBM, Dell, Hewlett Packard, and General Motors. He has led enterprise software development teams supporting various business functions including Product Lifecycle Management, Sales and Marketing, Purchasing, Supply Chain, Manufacturing, and Data Warehousing, Mano has a keen interest in the application of analytics and machine learning to solving business problems. Mano received a Bachelor of Technology from Indian Institute of Technology, Bombay, and Master of Science and Ph.D. in Computer Engineering from Carnegie Mellon University in Pittsburgh.



Nelymar Reyes

Industry Professor

Dr. Nelymar Reyes is a psychologist with more than 10 years of experience working in Mental Health and Education, serving in both the private and public sectors in Puerto Rico. Reyes holds a Ph.D. in Psychology, specialized in Teaching, Consulting, and Research, a Master of Science in Counseling Psychology, and a Bachelor's in Administration in both Management and Marketing. She also is certified as an Emotional Intelligence and Diversity trainer (EIDI), Nonviolent Crisis Intervention trainer (CPI), Executive Coach (London Image Institute), Multi-Health Systems in the Emotional Quotient Inventory (EQ-i 2.0 and EQ 360) assessments.

Denise Sherrod

Industry Professor

Denise Sherrod has worked over 30 years in the upstream oil and gas industry. She joined Occidental Petroleum in 2000 as an IT project manager where she led multi-disciplined teams implementing global, multi-million-dollar projects. Denise is currently the Chief of Automation at Occidental Petroleum and leads a team of Oxy's top engineers who implement strategic projects to introduce competitive advantages for the company. She holds a Master of Engineering Technical Management, a Bachelor of Business Administration in Management, and an Associates of Science in Computer Science.

F. Michael Speed, Jr.

Industry Professor

Mike Speed received a Bachelor of Science degree in Industrial Engineering from Texas A&M University and Master of Science and Ph.D. degrees in Industrial Engineering from the University of Alabama in Huntsville. Mike received his Juris Doctorate degree from The Ohio State University College of Law. He has been admitted to practice law in Ohio, the Federal Circuit Court of Appeals, the Sixth Circuit Court of Appeals, the United States District Court for the Southern District of Ohio and Northern District of Ohio. He is also admitted to practice before the United States Patent and Trademark Office.

Lisa Spence

Industry Professor

Lisa Spence received a BS in Chemical Engineering from Arizona State University, and began work in the nuclear and then petrochemical industries, where she managed projects upgrading operating units from analog to digital instrumentation and control. She transitioned to NASA and began a 32 year career which included assignments as a Space Shuttle instructor, training systems and curriculum development lead for the International Space Station, science program training coordinator for the Shuttle-Mir program in Star City, Russia, training liaison to multiple international partner agencies, integration engineer for EVA training and development at the Neutral Buoyancy lab, and systems and operations integration engineer in the Constellation Program.

Virginia Swink

Industry Professor

Virginia Swink is a seasoned executive with over 30 years of experience who has built a reputation for turning around organizations by identifying the critical few priorities, translating complex problems to understandable business valued solutions, and building high performing teams to implement those solutions. Virginia graduated from King's College in the first graduating class of Computer Science. She then spent 13 years consulting for EDS before holding various leadership roles with Dell.

Stephen Thompson

Industry Professor

Dr. Stephen Thompson holds a Ph.D. in Chemistry from the University of Dundee, Scotland. Thompson has 30 years' industry experience, with a focus on technology, processes, operational methods and quality associated with electronics, procurement, and distribution. He is a veteran industry professional with expertise in semiconductor processes, equipment fabrication, operations, supplier management, and quality. Thompson has a proven record of driving world-class performance for global operations, quality and products through immediate improvement actions, defect prevention, model-based decision-making and organizational commitment to performance management systems.

Crystal (CJ) Thornton

Industry Professor

Crystal (CJ) Thornton is a Senior Manager of Financial Planning & Analysis at Caterpillar, Inc., a global leader in manufacturing and construction equipment. She has a rich experience of 16 years in the industry, starting from her graduation from Texas A&M with a degree in Manufacturing Mechanical Engineering Technology. She further enhanced her skills by earning her METM degree with the class of 2020. She has led and managed teams across various domains, such as manufacturing engineering, supply chain, quality, and finance. CJ is an expert in strategy & lean transformational management and has a keen interest in business decision making that considers the whole value stream.

Scott Tingey

Industry Professor

Scott Tingey is an operations executive with a broad-based expertise in laboratory operations, human resources and project management. Tingey currently serves as Senior Director of Operations for Los Alamos National Laboratory (LANL). Prior to his current role, he served as Chief Operating Officer for Fermi National Accelerator Laboratory (FNAL). He's also served as COO for Facilities and Operations at Los Alamos National Laboratory (LANL) and in a number of senior positions at Pacific Northwest National Laboratory (PNNL) including Chief Operating Officer for Earth and Biological Sciences, Chief Operating Officer for Environmental Molecular Sciences Laboratory, and as Associate Laboratory Director at the National Bio-defense Analysis and Countermeasure Center.

David Tong

Industry Professor

David Tong is the Global Source and Schedule Manager at Chevron where he shepherds and innovates hydrocarbon commodities distribution capabilities. He's worked at Chevron for 31+ years. He began his career as a network engineer supporting, designing, and deploying networks for various communications purposes. Throughout his career, he's worked a diverse range of information technology jobs, many involving various kinds of software engineering or data engineering across the entire oil & gas business: upstream, downstream, midstream. He has a BSc in Telecom Engineering Technology from Texas A&M University and a MA in Philosophy from HBU.

Xiaomin Yang

Industry Professor

Dr. Xiaomin Yang, technology portfolio manager of Saudi Aramco, oversees portfolio governance and decision-making processes to maximize the value of the company's technology investment, minimize risk, and align R&D priorities with business needs. At METM, Dr. Yang focuses on helping organizations improve the quality of their business decisions by educating new generation talents to implement cohesive governance, structure and tools. Yang received a Ph.D. in chemical engineering from Purdue University and a Master of Business Administration from the University of California at Berkeley.

STAFF

Leslie Ehlers
Associate Director

Dr. Wei Lu
Associate Director

Katie Hudson
Marketing Coordinator

Students selecting their Aggie ring.

ADMISSION REQUIREMENTS

- Minimum four years of technical work experience
- Bachelor's degree from an accredited university. Preference will be given to STEM undergraduates.
- No GRE or GMAT scores required

DEADLINES

METM is divided into a Fall Cohort and Spring Cohort, with program start dates in August and January, respectively. Admission into each cohort runs on rolling deadlines and will be limited to 40 students per cohort. For each deadline, the admissions committee reviews the applications and notifies the applicant of a decision within 30 days. Applicants that apply for the next deadline are eligible for any remaining seats.

The deadline dates for each cohort are:

Fall Cohort	Spring Cohort
January 15	July 15
April 15	October 15

COST $54,000 total

Tuition & Fees Include:

- Hotel accommodations, transportation and meals during residency weeks
- All textbooks, case studies, and educational materials
- Graduation hotel accommodations, cap and gown

STUDENT TESTIMONIALS

"The most valuable part of METM is understanding myself. I was so used to being the type of leader that gave directives. Taking the emotional intelligence test, we were able to identify areas for me to improve. The program has had a positive impact on my career. It has helped me look at my team from a completely different perspective–listening more to my team and boost my confidence and expand to other teams in a global-type environment."

Claudia Hernandez – Class of '23
Chevron, IT Release Train Engineer

"The METM program was instrumental in my securing a new job in March 2021 with Acuren. It has also been vital in positioning myself as a key senior leader in the organization and has likely helped me retain my job through challenging layoffs/reduction in force efforts. Faculty and professors are extremely well-versed in various fields and industries. The asynchronous format bodes well for more candidates to work it into their professional and personal schedules."

Eric Worley – Class of '22
Acuren, General Manager Midstream & Pipeline Integrity

"The courses touched on all the possible business pieces that one might need and showed you how to use them effectively. I got unexpectedly pulled into a meeting by my manager and was able to work with the business unit managers and supply chain and contribute on an RFP in a unique way, which was a fantastic experience. I now get frequent questions from both groups. This program will help you gain knowledge in all aspects of the engineering process from conception of ideas to the human element."

Paul Carman – Class of '20
ConocoPhillips, Completion Fluid Specialist

"I chose the METM program because of its strong focus on emotional intelligence in management. Having experienced both good and bad managers in my career, I aspire to be an exceptional leader for future engineers. This two-year program has provided me with invaluable insights and practical skills that far exceed what I would have learned in over a decade of on-the-job experience."

Maile Guieb – Class of '24
Sales Executive, McMillan James Equipment Company

STUDENT EMPLOYERS

3M
Alliance Geotechnical Group
American Airlines
Baker Hughes
Balfour Beatty
Boeing Defense & Space
Boston Scientific
Calvert Cliffs Nuclear Power Plant
Canrig Drilling Technology
Carrier Global Corporation
Chevron
Chevron Phillips Chemical
Closure Systems International
Directorate of Public Works
DOF Subsea
Ecoat.us
ESNA Texas / Fastener Specialy, Inc.
Exxon Mobil Chemical Company
Facebook
Frito Lay
Fujifilm Diosynth Biotechnologies
Health Management Systems (HMS)
Houston Methodist Hospital
IBM Corporation
ILC Dover
J&S Valve
Lawrence Livermore National Laboratory
LEIDOS
Lockheed Martin
Los Alamos National Laboratory
Mechanical Reps, Inc.
Neudesic
Nevis Electricity Company Ltd
Oak Ridge National Laboratory
Raytheon Technologies
Revere Control Systems
SandTech Solutions
Schlumberger
Shell
Siemens
State Farm Mutual Insurance Co.
Surveillance Trailers, Inc.
TAS Concrete Construction
TechnipFMC
Thales
Union Pacific Railroad
United Independent School District
United States Air Force
United States Army
United States Marine Corps
United States Navy
USAA Enterprise
Wood PLC

TOP STUDENT JOB TITLES

3F5X1 - Administration Base Functional Manager
Aeronautical Engineer
Automation Engineer
Aviation Electrical Technician
Branch Manager
Civil Engineer
Client Technical Leader - Energy & Utilities
Facility Operations Manager
Construction Manager
Controls Project Engineer
Cybersecurity Technical Staff
Data Security Analyst
Deputy Facility Manager
Design Engineer
Engineering Manager
Engineering Technologist
Facilities Manager
Field Engineer
Industrial Engineer
IT Professional
Maintenance Manager
Mechanical Engineer
Network Professional
Operations Manager
Process Engineer
Project Engineer
Project Manager
Quality Assurance
R&D Engineer
Software Engineer
System Engineer
Technical Project Leader

TOP INDUSTRIES

Aerospace
Automotive
Chemical & Plastics
Construction
Defense Contractors
Energy
Information Technology
Industrial Manufacturing
Semiconductor
Military & DoD
National Labs
Oil & Gas
Software
Telecom

TEXAS A&M UNIVERSITY
Engineering

MASTER OF ENGINEERING
TECHNICAL MANAGEMENT

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