Master of Engineering Technical Management

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Abstract

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, not both.

Texas A&M University’s College of Engineering will offer the Master of Engineering Technical Management (METM) program beginning Fall 2018. METM is a practical, online, professional program designed to teach business acumen within the context of technical projects. METM differs from a traditional Master of Science degree in engineering by concentrating on current industry best practices, and differs from a traditional MBA by emphasizing the technical and engineering context of business topics. METM meets this need by offering courses in areas such as leadership, data-driven decision-making, project management, and new product development.

The METM curriculum was designed by listening and working closely with industry colleagues. METM has tapped into industry professionals or professors with industry backgrounds averaging over 25 years of experience to teach course material. Doing so ensures METM will offer practical solutions for industry issues.

During the 21-month program, students will participate in a Week in Residency on campus at the beginning of each year. During each Week in Residency, students will have the opportunity to meet their professors, hear from industry executives, engage in lively debates, and create a life-long network.

Over the course of their second year, METM students will complete an individualized capstone project customized to their industry and line of work. Students will work closely with an assigned faculty member to ensure their project is curriculum appropriate and has real world applications. At the conclusion of the program, students will return to campus to present and defend their projects in front of their professors and classmates. Students will leave the program with a working solution that can be integrated into their current line of work.