Agenda Item No.

**AGENDA ITEM BRIEFING**

**Submitted by:** Michael K. Young, President

Texas A&M University

**Subject:** Approval of a New Master of Science Degree Program with a Major in Engineering Technology, and Authorization to Request Approval from the Texas Higher Education Coordinating Board

**Proposed Board Action:**

Approve the establishment of a new degree program at Texas A&M University (Texas A&M) leading to a Master of Science in Engineering Technology (M.S.E.T.)**,** authorize the submission of this degree program to the Texas Higher Education Coordinating Board (THECB) for approval and certify that all applicable THECB criteria have been met.

**Background Information:**

The M.S.E.T. will provide advanced application‐oriented education in engineering technology. The need for a workforce with advanced technical talent can only continue to grow as the nature of work changes, impacted by the rapid pace of developments of critical technologies such as mobile internet, knowledge automation, internet-of-things, autonomous vehicles and additive manufacturing[[1]](#footnote-2) and other advanced technologies. The M.S.E.T. degree will allow students with a bachelor’s degree in related areas to hone their technical acumen beyond levels achieved in the limited time available to learn vast amounts of relevant knowledge during a bachelor’s program.

**A&M System Funding or Other Financial Implications:**

## Estimated new costs over the first five years are $1,722,534, with estimated five-year revenue of $2,666,582. New costs include additional faculty (two new FTE), graduate assistants (two per year), and administrative support personnel (graduate advisor and .33 FTE for the associate department head to coordinate the program).

**Strategic Plan Imperative(s) This Item Advances:**

The proposed M.S.E.T. aligns with The Texas A&M University System strategic plan imperative 3 by preparing students for long term careers in a fast-growing field.

## Agenda Item No.

**TEXAS A&M UNIVERSITY**

Office of the President

March 29, 2018

# Members, Board of Regents

The Texas A&M University System

Subject: Approval of a New Masterof Science Degree Program with a Major in Engineering Technology, and Authorization to Request Approval from the Texas Higher Education Coordinating Board

I recommend adoption of the following minute order:

**“The Board of Regents of The Texas A&M University System approves the establishment of a new degree program at Texas A&M University leading to a Master of Science in Engineering Technology.**

The Board also authorizes submission of Texas A&M University’s new degree program request to the Texas Higher Education Coordinating Board for approval and hereby certifies that all applicable criteria of the Coordinating Board have been met.”

Respectfully submitted,

Michael K. Young

President

**Approval Recommended: Approved for Legal Sufficiency:**

John Sharp Ray Bonilla

Chancellor General Counsel

Billy Hamilton

Deputy Chancellor and

Chief Financial Officer

James R. Hallmark, Ph.D.

Vice Chancellor for Academic Affairs

1. “Disruptive technologies: Advances that will transform line, business, and the global economy,” McKinsey Global Institute, May 2013. [↑](#footnote-ref-2)