

Expansion of a Fast-Track BS+MS 4+1 Technology Management Curriculum to the BAAS Degree

Department of Engineering & Technology
East Texas A&M University
Commerce, Texas



Jason Lee Davis, PhD

Associate Professor,
Coordinator & Advisor,
Technology Management
Graduate Programs

Burchan Aydin, PhD

Associate Professor &
Department Head,
Department of Engineering &
Technology

Perry Moler, PhD

Assistant Professor,
Coordinator & Advisor,
Technology Management
Undergraduate Programs



**Engineering
and Technology**

EAST TEXAS A&M

ATMAE 2025 Annual Conference
Memphis, Tennessee

10/23/2025

1

ACTM Fast-Track Bachelor's + Master's TMGT Degree Program Goals

- Accelerate time to completion of MS as compared to separate Bachelor's & Master's programs taken back-to-back.
 - Reduces total time by one semester and total SCH by 6 hours.
- Enhance marketability of Bachelor's & Master's programs in Tech Management.
- Strengthen pipeline of Bachelor's TMGT students continuing into MS TMGT program.
- Create ACTM Fast Track Bachelor's+Master's TMGT degree program allowing undergraduate students in an undergraduate Technology Management program to begin coursework towards the M.S. in Technology Management during their senior year at East Texas A&M University.

ACTM Fast-Track Bachelor's + Master's TMGT Degree Program Background

- The ACTM Fast-Track BS+MS TMGT degree program was introduced in the Fall 2024 semester providing a seamless path from the B.S. Technology Management program into the M.S. in Technology Management.
- Two students were admitted to the new ACTM Fast-Track BS+MS TMGT degree program in Spring 2025 and began prescribed program coursework in the Fall 2025 semester.
- Next step: Offer similar option to students in the university's Bachelor of Applied Arts & Sciences (B.A.A.S.) in Technology Management program.

ACTM Fast-Track BAAS+MS TMGT Degree Program Premise

- An ACTM Fast-Track program proposal, patterned after the BS+MS TMGT program, was created for the B.A.A.S. TMGT program and submitted as a curriculum change request in October 2025 for Fall 2026 implementation.
- Students can earn both B.A.A.S. and M.S. degrees in approximately three and a half years at ETAMU upon completion of the requirements for each degree. (If prescribed course schedule is followed.)
- In the senior year of their undergraduate degree, Fast-Track BAAS+MS program candidates take 28 credit hours from required undergraduate and graduate core courses.
- Six credit hours of graduate courses are counted for both BAAS and MS degrees.

ACTM Fast-Track BAAS+MS TMGT Degree Program

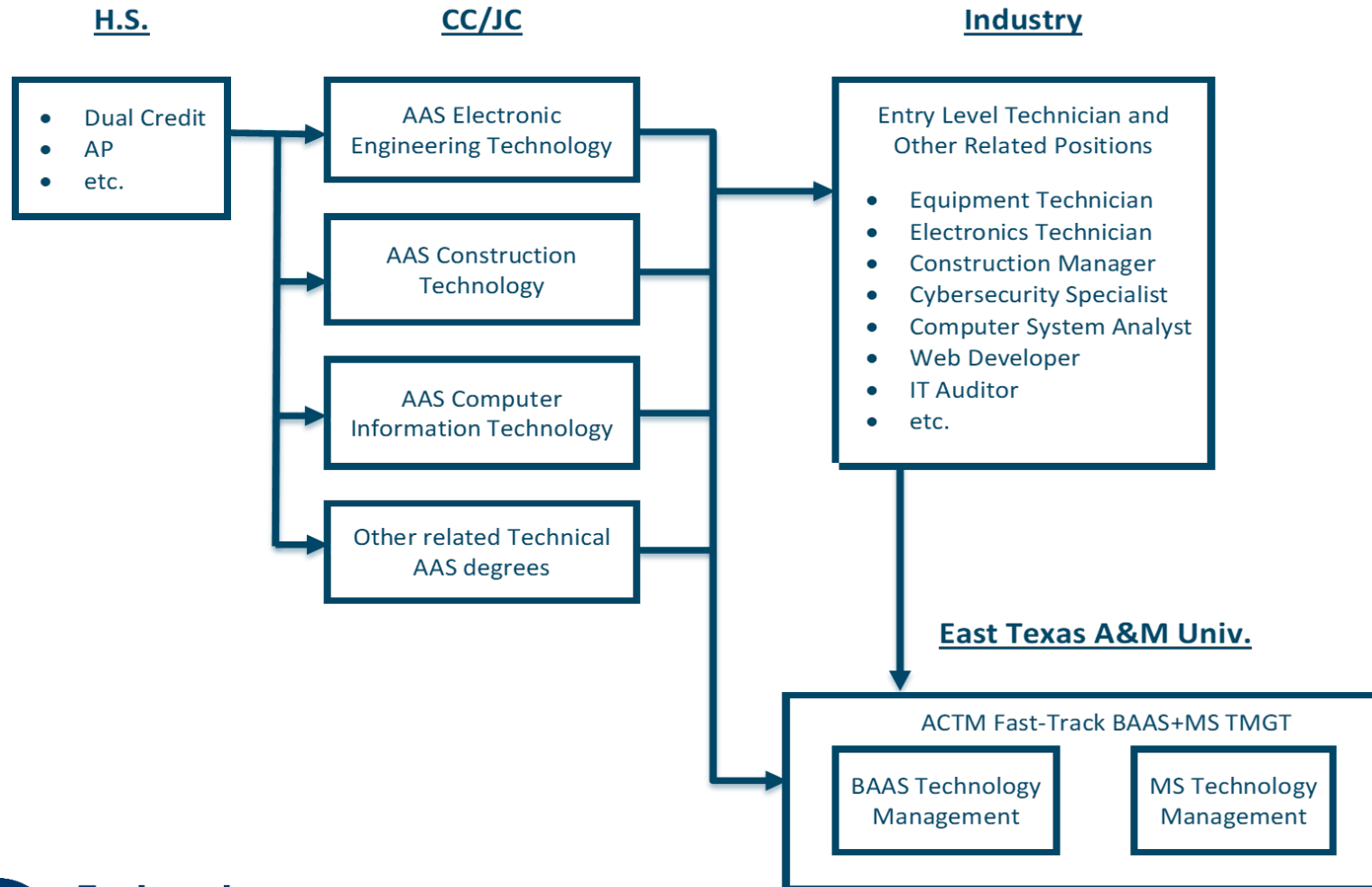
Lessons learned from previous implementation of BS+MS Fast-track TMGT program.

- Undergraduate students cannot receive financial aid for graduate level courses.
 - Courses offered as 500-level (grad-level) in BS+MS program will be offered as 400-level (senior-level) courses cross-listed to their corresponding 500-level courses.
- One course taken as 500-level in Senior year. Student must petition for approval to take graduate course during senior year.
- Window for applications reduced from 75-90 hours to 60 hours.

ACTM Fast-Track BAAS+MS TMGT Degree Program Progression

- Students in the B.A.A.S. TMGT Program enter with an Associate in Applied Science (A.A.S.) degree in a technical field from a regionally accredited Community/Junior College.
- 2+2+1 model (152 SCH total taken vs. 158 SCH in separate programs):
 - AAS – Up to 85 hours transferred in from completed technical A.A.S. degree with minimum 2.50 GPA.
 - BAAS – 37 upper-level hours at ETAMU (120 hours minimum for Bachelor's, 122 actual hours taken)
 - MS – 36 Graduate-level hours at ETAMU (**6 hours counted for both BAAS & MS**)
- Pursue articulation agreements ultimately leading to M.S. degree.
- Incentivize students in the *[High School? to]* Community College to University pipeline to continue their academic journey through a graduate degree.

ACTM Fast-Track BAAS+MS TMGT Degree Program



ACTM Fast-Track BAAS+MS TMGT Degree Program

ACTM Fast-Track BAAS+MS TMGT Program - Proposed Fall 2025 for implementation Fall 2026					
Fall Sr. Yr.	Spring Sr. Yr.	Summer		Fall	Spring
		I	II		
455	358				
456	444				
495A x 595 TL	595	597.01/E	597.01/E	595	595
510	412A x 512	597.02/E	597.02/E	510	512
511	515			511 TL	515 TL
514	517/E			514 TL	517/E
	519*			Elective	519
599	599	599		599	599
6 U-SCH	6 U-SCH				
3 U/G-SCH	3 U/G-SCH				
	3 G-SCH	3 G-SCH	3 G-SCH	12 G-SCH	9 G-SCH
9 SCH total	12 SCH total	6 SCH total		12 SCH total	9 SCH total
Undergraduate credit only					
Dual Undergraduate-Graduate credit		TMGT 495A will be a new course to crosslist with 595.			
Graduate credit only		TMGT 412A will be a new course to crosslist with 512.			
		TMGT 519 (new course in 268) replaces 516 in the core.			
* ACTM Students must submit a request for a senior to take a 500-level course in order to take TMGT 519.					



ACTM Fast-Track BAAS+MS TMGT Degree Program

Thank You!

- Presentation and Resource Materials:
<http://ATMAE.JDavis.us>
- Contact:
Jason Lee Davis, PhD
Associate Professor
Jason.Davis@etamu.edu
- Questions?

