Technology Department Strategic Plan 2020-203

Goal	Objective	Tactics	Measure of Success	Resources Needed
I. Engage students in learning activities that will enhance their future careers	OFFER CERTIFICATIONS AND MINORS TO ASSIST IN RELATED FUTURE EMPLOYMENT OPPORTUNITIES	Offer minor or concentration in Supply Chain Management at the undergraduate level	Fall 2022-Fall 2025-New faculty hired; supply chain management courses offered in course schedule and listed in rolling schedule.	Office computer, 1 tenure-track or tenured professor
		Offer Nano-Safety certification program	Fall 2023-Fall 2025-New faculty hired; nano-safety courses offered in course schedule and listed in rolling schedule.	None
		Offer Project Management emphasis at the graduate level	Fall 2022-Fall 2023-New faculty hired; project management courses offered in course schedule and listed in rolling schedule.	None
		Offer Lean Six Sigma Green Belt certification at the graduate level	Fall 2022-Fall 2023-Finalized in university catalog	None
	REPLACE OR UPGRADE LABORATORY AND CLASSROOM EQUIPMENT ON A THREE-YEAR SCHEDULE	All department computing equipment in classrooms and specialty labs will be replaced every three years with most current technology	Count the number of new computers in classrooms/laboratories	Replacement fund (3-year cycle): 30 x $1,500 + 10 x $2600 = $71,000.00 from ISF annually - $213K over three years
II. Connect students across degree programs to each other and alumni, employers, business professionals, other students, and academicians in East Texas and surrounding areas	CREATE NEW STUDENT ORGANIZATIONS RELATED TO LOCAL INDUSTRIES TO CONNECT STUDENTS WITH EMPLOYERS FROM THE COMMUNITY AND BEYOND	Work with women in manufacturing in the community to help establish a new women in manufacturing student chapter	Fall 2022-Fall2025 Count the number of students who join the new student organization	None
	ESTABLISH CONNECTIONS WITH LOCAL COMMUNITY COLLEGE AND HIGH SCHOOL STUDENTS IN THE SURROUNDING AREAS	Apply for grants to build an Industry 4.0 level of advanced manufacturing laboratories to offer certifications for industry, high school students, thereby acquainting them with the program and challenging them to pursue a degree in industrial technology	Spring 2023-Spring 2026-Research proposal written Grant awarded Equipment purchased	Internal research seed money to assist with obtaining a research grant

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	ENGAGE STUDENTS WITH NATIONAL EVENTS RELATED TO THEIR DISCIPLINE	Send ATMAE student representatives to national conferences to compete in various competitions	List the number of awards won	Co-curricular funding to assist with travel
III. Foster an environment of continuous improvement by committing to basic, applied and pedagogical research, service and professional development of faculty and staff.	CREATE A PATHWAY FOR APPLIED RESEARCH FOR INDUSTRIAL-RELATED ACTIVITIES IN THE COMMUNITY	Develop a proposal for a doctoral program in industrial management	Spring 2023-Spring 2025	Office computer, 1 tenure-track or tenured professor
	PLACE MORE EMPHASIS ON RESEARCH ACTIVITIES FOR FACULTY RELATED TO TENURE AND PROMOTIONS	Increase focus on securing external grants for support of research and instruction related to their teaching area	Fall 2022-Fall 2026 Count research grants awarded, and research papers published by each faculty	None
IV. Maintain and expand opportunities for students and faculty to engage the community	ENHANCE COMMUNITY INVOLVEMENT OPPORTUNITIES FOR STUDENTS AND FACULTY	Offer summer camps at the Tyler and LUC campuses for high school students on robotics and 3D printing to help recruit new students	Spring 2023-Summer 2025-Offer summer camps	Self-funded
	COLLABORATE WITH INDUSTRY PARTNERS FOR CAREER PATHWAYS FOR PROGRAM MAJORS	Obtain internship opportunities for students in local industries	Fall 2022-Fall2026 Review number of students who took the internship course	None