

Board of Trustees Institute 2024

“Leading with a Student Success Lens”



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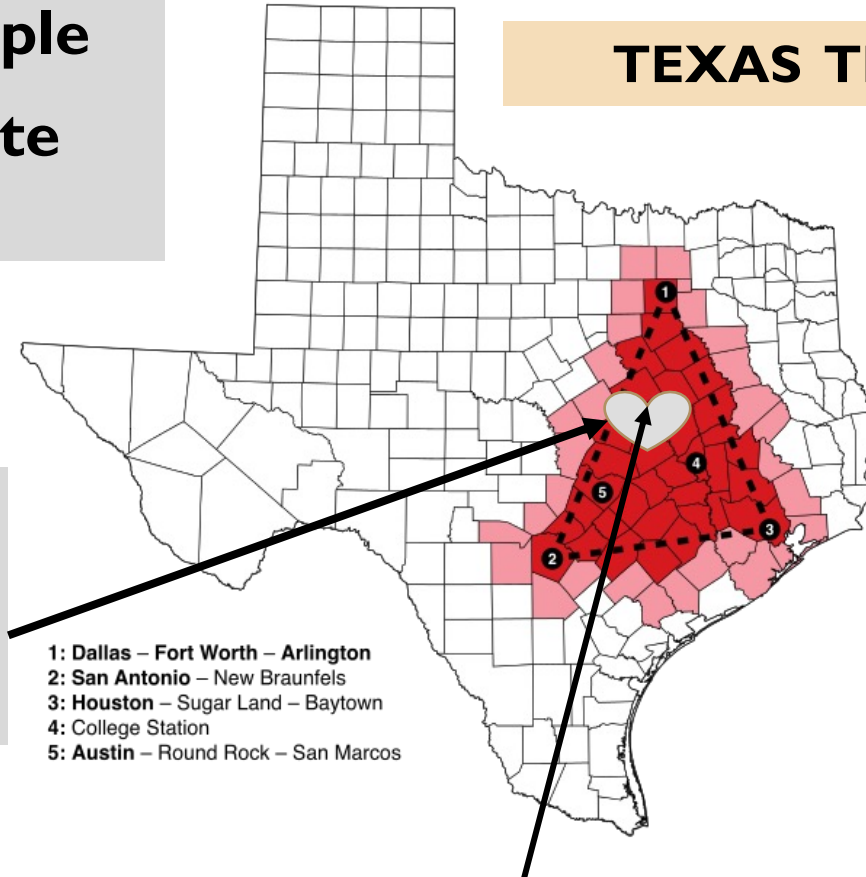
Transforming through a Pathways Framework

- ✓ Scaled 8-week courses
 - ✓ Implemented Circle of Support
 - ✓ Created a Center for Teaching & Learning
 - ✓ Invested in Workforce Development
 - ✓ Redesigned onboarding for Students
 - ✓ Redesigned onboarding for Employees
 - ✓ Increased Outreach Efforts
 - ✓ Experiential Learning: Internships, Apprenticeships, Clinicals...
 - ✓ Modernize & Grow Temple College Campuses
- Temple, Hutto, Taylor, & Rockdale

Temple College is located in the Heart of the Texas Triangle

18+ Million People
76% of the State Population

19 of 22 Rural Low Socio-Economic Communities



Region Expected to grow by 3.5 Million by 2030

Home to 53 Fortune 500 Companies

New Home of Semiconductor & Technology Company Mega Investments

Building Capacity for Growth

New Programs, New Buildings, New Partnerships

**Building For
The Future**

C A P I T A L C A M P A I G N

CONSIDER DONATING TODAY



Trusted for Generations...Building for the Future



Temple College's New Main Building



- ✓ Enrollment Services Redesign
- ✓ University Center
- ✓ New Classrooms/ Technology
- ✓ Student Success Center
- ✓ Conference Meeting Spaces
- ✓ Welcome Center



Temple College's New Arts & Workforce Building



- ✓ Workforce Training & CE
- ✓ Manufacturing, Construction
- ✓ Logistics, Engineering Tech.
- ✓ Corporate Training
- ✓ Certification Center
- ✓ Visual Arts/ New Art Gallery



Temple College's New Health Science Building



- ✓ New Nursing Simulation Center
- ✓ Sonography + Advanced Certs.
- ✓ Health Sciences Hub Advising
- ✓ Large New Classrooms
- ✓ Baylor College of Medicine
- ✓ Specialized Patient Center



Strategic Plan Priority Areas

- **Student Success**
- **Teaching and Learning**
- **Building Economic Mobility**
- **Completion**
- **Operational Effectiveness**

Early College/ Dual Credit Experiences



Dual Credit
Middle College Program
Early College High School
P-Tech Academies
Concurrent Enrollment

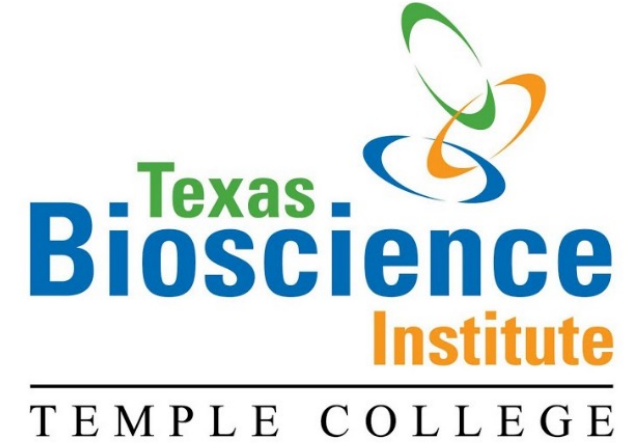
HB 8

- ✓ No Cost for All Students
- ✓ Implemented FAST Spring '24
- ✓ Alignment with College, Career and Military Readiness
- ✓ Prepare Embedded Faculty
- ✓ College Credit for All
- ✓ Connections to Employers

Early College/ Dual Credit Experiences



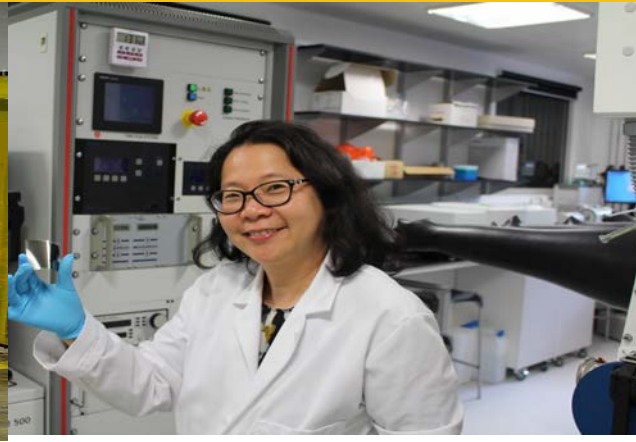
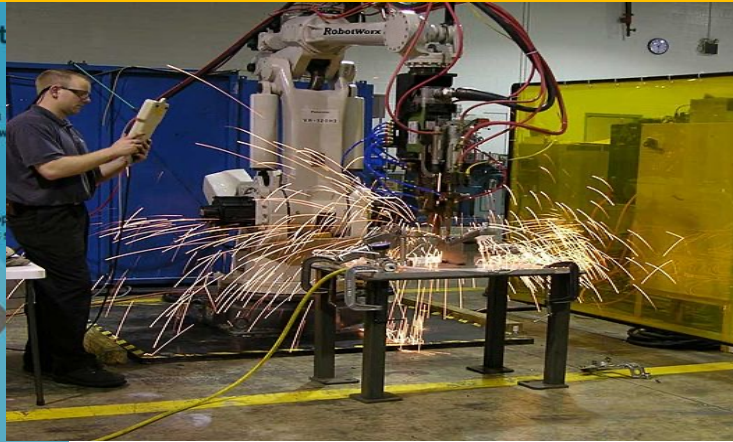
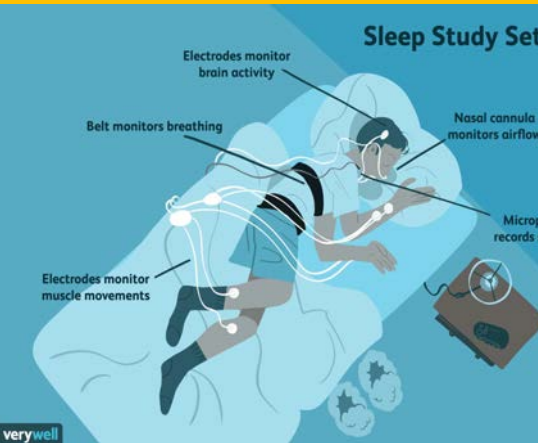
Earn Degree in STEM Fields
Internships/Research
Employer Connection
Transfer Success



Temple College taking a lead in Statewide Dual Credit



Exciting New High Value Programs



POLYSOMNOGRAPHY

NEURODIAGNOSTIC TECHNOLOGY

ECHO-CARDIOGRAPH

DATA ANALYTICS

ASSOCIATE OF ARTS IN TEACHING--MATHEMATICS EDUCATION

ASSOCIATE OF ARTS IN TEACHING--SCIENCE EDUCATION

ELECTROMECHANICAL ENGINEERING TECHNOLOGY

ROBOTIC WELDING—ELECTROMECHANICAL ENGINEERING TECHNOLOGY

ROBOTICS

3D DESIGN BUILD-CONSTRUCTION

CYBER SECURITY

Programs Under Development

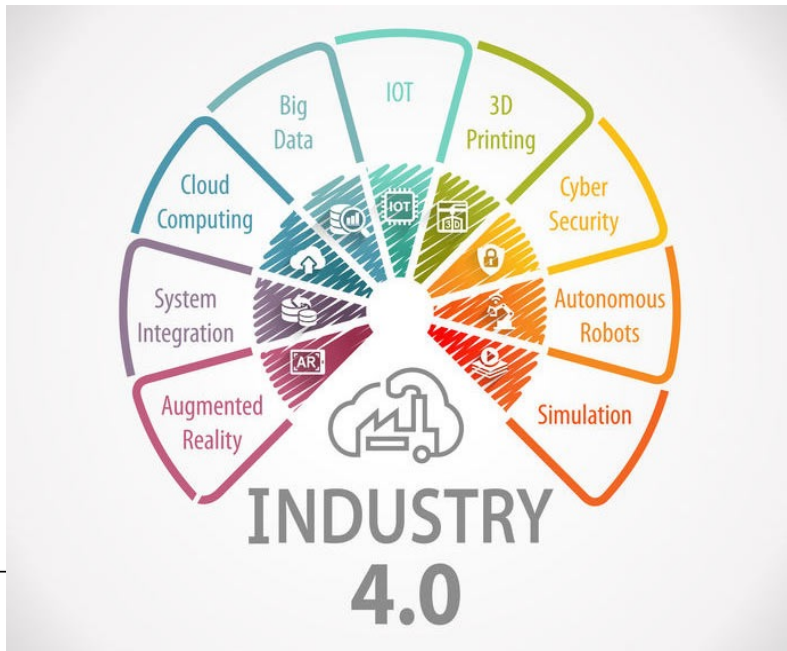
Logistics

Alternative Energy—Solar/ Wind

Blockchain/ Bitcoin Technology

Community Health Worker

Precision Agriculture



Taking Temple College to the Community



Quality of Life- Campus Experience



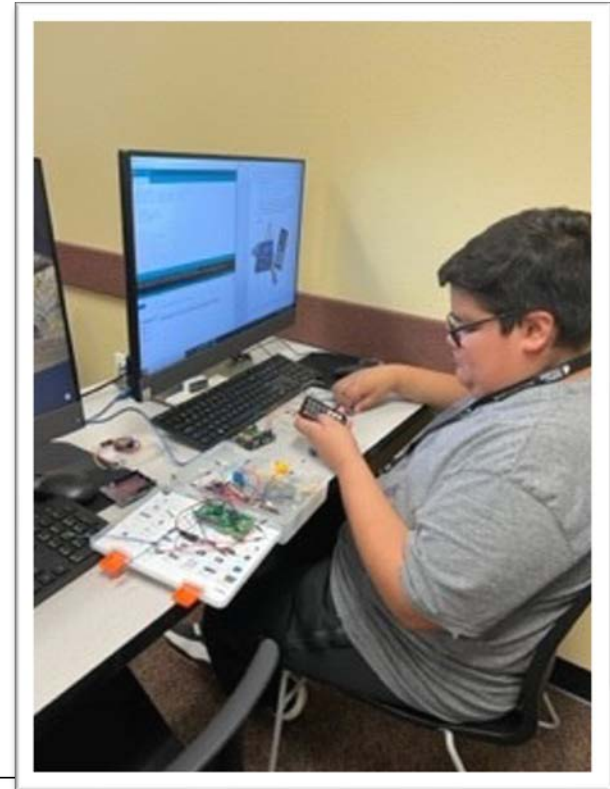
“Changing my Family Tree”



Where do we begin?

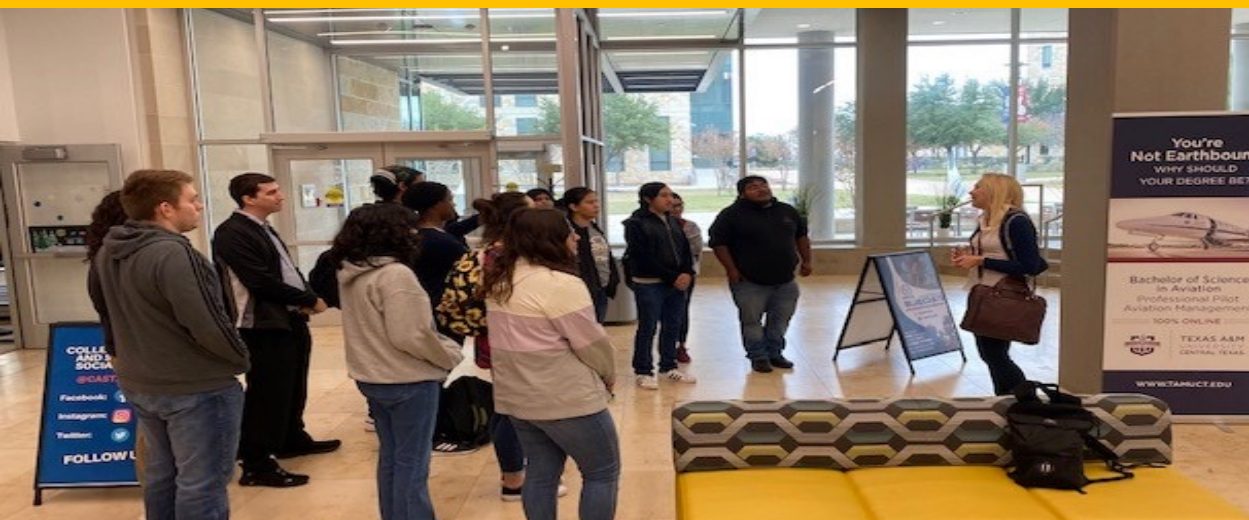
College Bound Elementary Designations

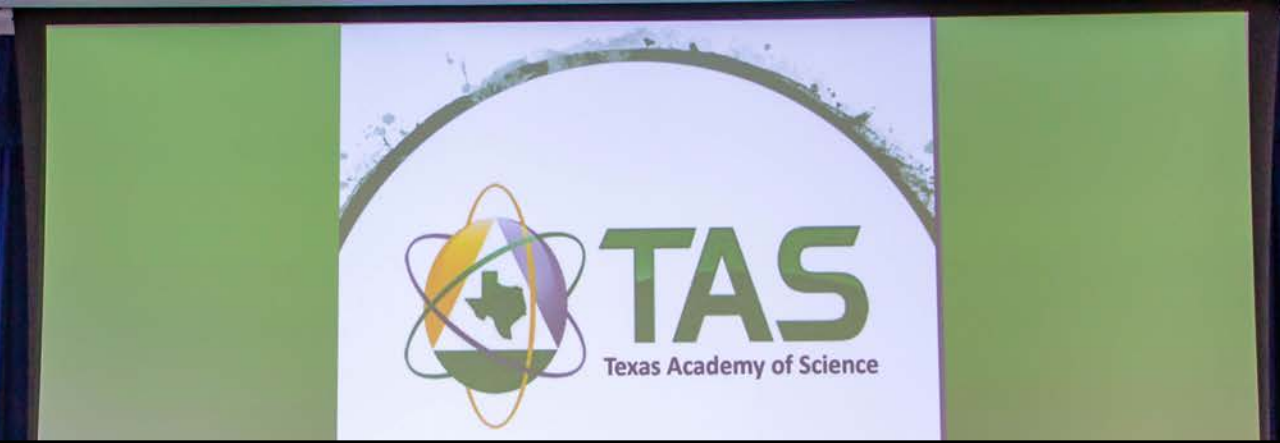
2022 Summer Robotics STEM Camps
2023 DRONES & ROBOTICS CAMPS





Focus on University Transfer





Expanded Research Opportunities for Students





Temple College Science Challenge Day

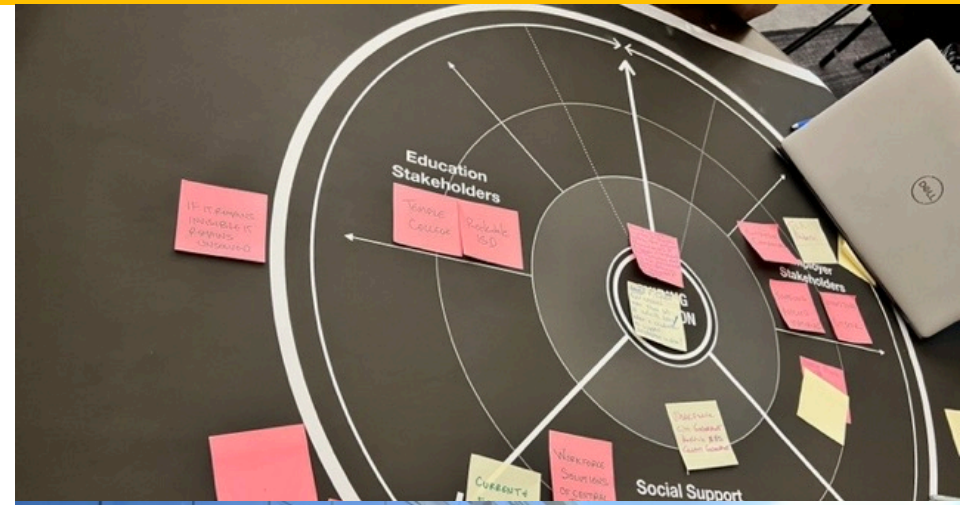
Texas Pathways Cadre I+ Temple College





National NCII- Rural Pathways

Design. Implement. Improve.



Opportunity to Chair Commission on Structured Pathways



RODEO Award

Recognition of Dedication to Educational Outcomes

- Leadership and support of guided pathways
- Institutional commitment to contribute to the learning network
- Demonstration of success and growth in early momentum metrics



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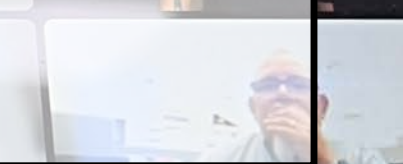
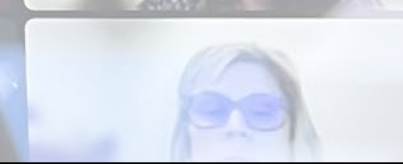
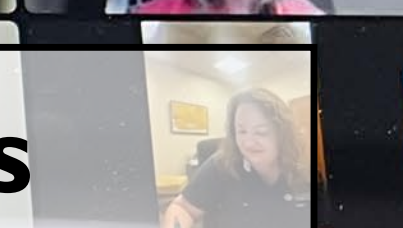
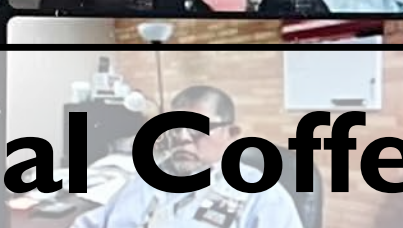


Hatem Akl



Monthly Virtual Coffee Chats with Faculty & Staff

Jason Locklin



Workforce Development Progress



Texas Workforce Commission All-Star College Award



Rise Up Partner Designation by National Retail Federation on Customer Service

“Go To Work”

Leadership College Designation from the National Coalition of Certification Centers (NC3)



| LEARNING THAT WORKS. SM

We Host National NC3 Train the Trainer Events



Designing NEW Curriculum with Industry 4.0 Embedded in Electromechanical Engineering Technology

Electomechanics Certificate / AAS in Electromechanical Engineering Technology				
Safety Tech	Mecha-Tech	Power Tech	Robo-Tech	Automation - Tech
Entry Level Safety Training for employment in the industrial, construction, and manufacturing sectors & Work Readiness	Entry Level Mechanical Assistant to support industrial and construction related projects and employers	Entry-level Industrial Mechanic Helper in pneumatic and hydraulic applications	Fundamentals of Robotics and control systems	PLC and Sensor Technology
AR/VR	Mechanical	Hydraulic/pneumatic	Robotics	IIOT - Mechatronics
6-8 Weeks	6-8 Weeks	6-8 Weeks	6-8 Weeks	6-8 Weeks
3M Safety / MSSC CPT	Festo Mechanical Certification	Festo Hydraulic /Pneumatic Certification	Festo Robotics	Festo Mechatronics



*3-6 SCH

*Potential Credit – Prior Learning Assessment

Common Careers for Graduates with Electromechanical Engineering Technology

Controls and automation technologist

Robotics programmer

PLC programmer

Industrial Machine Repair

Machine builder

Machine integrator

Machine installer

Technical sales specialist

Field service technologist

Machinery manufacturing

Engineering services

Transportation equipment manufacturing

Navigational, measuring, electromedical, & control instruments manufacturing

Semiconductor and other electronic component manufacturing

Pathways with End in Mind
Publish Wage Ranges



Innovating Existing CADD Curriculum with Industry 4.0 Standards and embedding Industry Credentials

CADD Engineering Technology Pathway				
Workforce Training Safety Tech	Workforce Training CAD Tech	Workforce Training Archi-Tech	Workforce Training Invent-Tech	Workforce Training Construct-Tech
Entry Level Safety Training for employment in the industrial, construction, and manufacturing sectors	Entry Level Cad Operator to support industrial, construction, and manufacturing sectors	Entry-Level Architectural 3D Cad Operator to support residential and light commercial construction, and manufacturing sectors	Entry-Level Mechanical 3D Cad Operator to support manufacturing sectors with an introduction to mechanical engineering technology concepts, 3D printing and CNC machining	Entry-Level Construction Helper to support manufacturing and construction related projects and employers
AR/VR	3D / Additive MFG	3D Modeling / Simulation	Additive MFG	AR/VR
6-8 Weeks	6-8 Weeks	6-8 Weeks	6-8 Weeks	6-8 Weeks
3M Safety / MSSC CPT *3-6 SCH	Autodesk Autocad Certified User *3-6 SCH	Autodesk Revit Certified User *3-6 SCH	Autodesk Inventor Certified User / Dremel Certified User *3-6 SCH	OSHA for Construction *3-6 SCH

*Potential Credit – Prior Learning Assessment determined by completion of Industry Recognized Credential

AAS Degree in CADD Engineering Technology program redesigned to include Industry 4.0 Principles

- Mechanical Engineering Technology Certificate (Level 2 Certificate – TSI attached for some courses)
- Architectural and Construction Technology Certificate (design / build) (Level I Certificate – no TSI requirement)

CADD Engineering Technology Example Pathway Model

				Sophomore Fall 8 week / 8 week	Sophomore Spring 8 week / 8 week	Award	Junior Fall 8 week / 8 week	Junior Spring 8 week / 8 week	Award	Senior Fall		
				Construction Engineering Technology Pathway	OSHT Special Topics in Occupational Safety and Health Technology/Technician / DFTG 2317 Architectural Drafting	CNBT 1316 Construction Technology / DFTG 2328 Architectural Drafting Commercial	IRC: OSHA 10 / NCCER / Autodesk Revit User Certification	CNBT- 1350 Construction Technology II / CNBT- 1311 Construction Materials	SRVY-1341 Land Surveying / DFTG 2331 Advanced Technologies in Architectural Design and Drafting	Construction Engineering Technology Level I Certificate 39 SCH	CNBT 1453 Construction Technology III / Core = 6 SCH	
Program	Freshman Fall 8 week / 8 week	Freshman Spring 8 week / 8 week	Award	Architectural and Construction Certificate – Level I							Senior Spring	Award
CADD Engineering Technology	DFTG 1309 Basic CAD / DFTG 2340 Solid Modeling	DFTG 2319 Intermediate CAD / DFTG 1305 Introduction to Technical Drawing	Computer Aided Drafting and Design (CADD) Certificate = 15 SCH								Core = 9 SCH	AAS in CADD Engineering Technology = 60 SCH
	TECM 1349 Technical Math or Math 1314 College Algebra		IRC: Autodesk Autocad User Certification								Senior Spring	Award
Level I Certificate				Mechanical Engineering Technology Pathway	OSHT Special Topics in Occupational Safety and Health Technology/Technician / DFTG 1329 Electromechanical Drafting	ENGR 1201 - Introduction to Engineering / CETT 1409 AC/DC Circuits for Engineering Technology	IRC: OSHA 10 / NCCER / Festo AC/DC	ELMT-2441 Electromechanical Systems / ENGT-2307 Engineering Materials I	MCHN 1319 Manufacturing Materials and Processes or ENGT 2310 Introduction to Manufacturing / RBTC 1347 Electromechanical Devices	Mechanical Engineering Technology Level 2 Certificate 39 SCH	DFTG 2338 Advanced Drafting / Core = 6 SCH	
				Mechanical Engineering Technology - Level 2 Certificate							AAS Degree Completion	

Scaled Caring Campus

FACULTY COMMITMENTS:

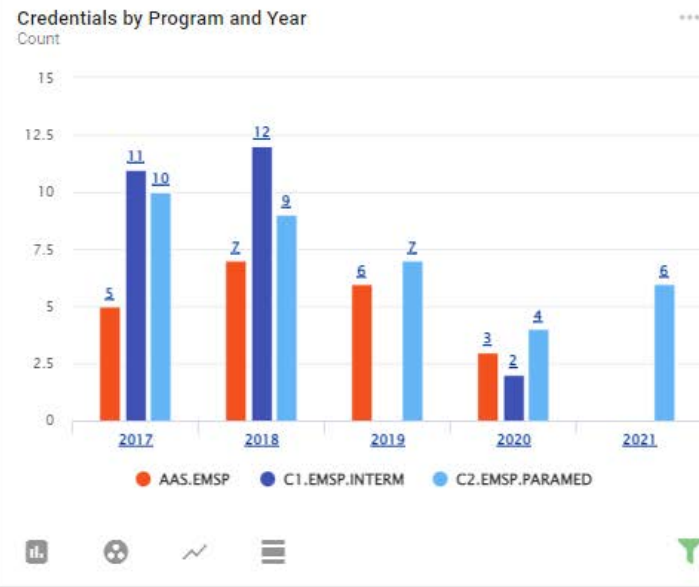
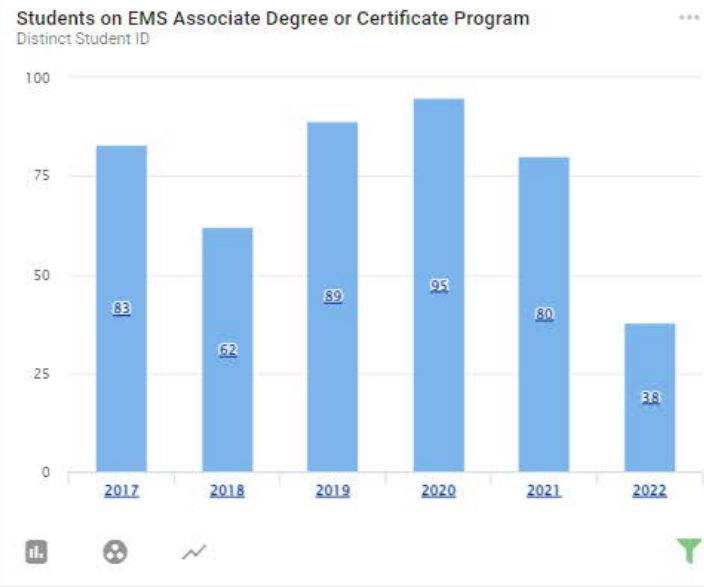
1. Create an Engaging First Day
2. Clearly Communicate about the Course
3. Learn & Regularly Use Students' Preferred Names
4. Connect with Students
5. Provide Relevant Assignments & Assessments
6. Consider & Respond to Individual Student Needs

STAFF COMMITMENTS:

1. 10 Foot Rule
2. Wear Nametags
3. Cross-departmental Awareness
4. Warm Referrals
5. Welcoming Students



New Data Dashboards Available



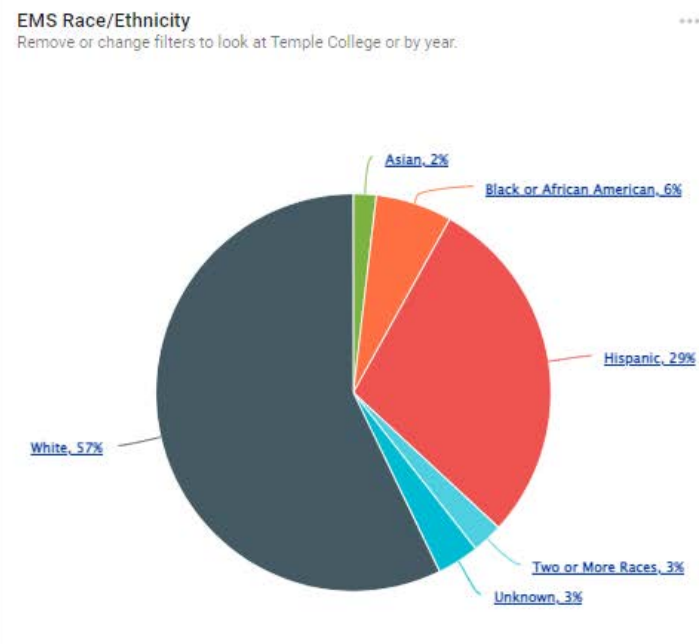
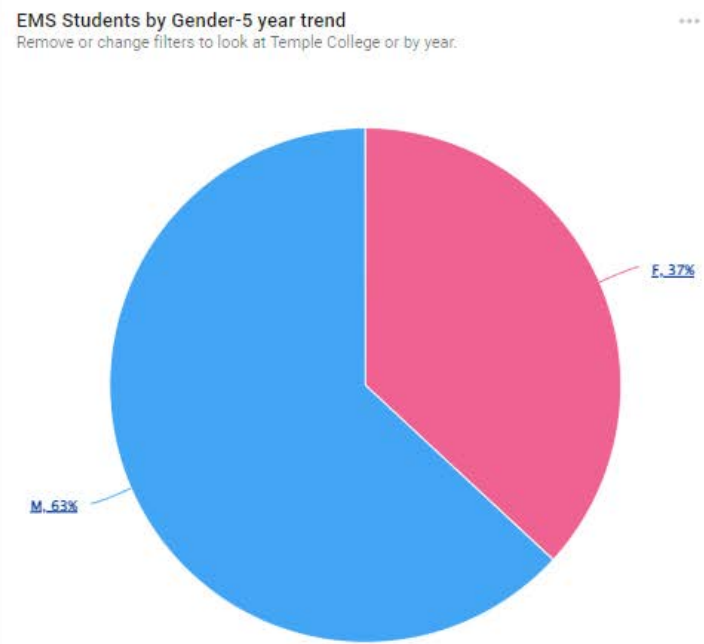
Enrollment

Program Review

IPEDS

Grants

Independent Research



Open Houses/ Preview Days/Tours/ Year around Campus Family Events



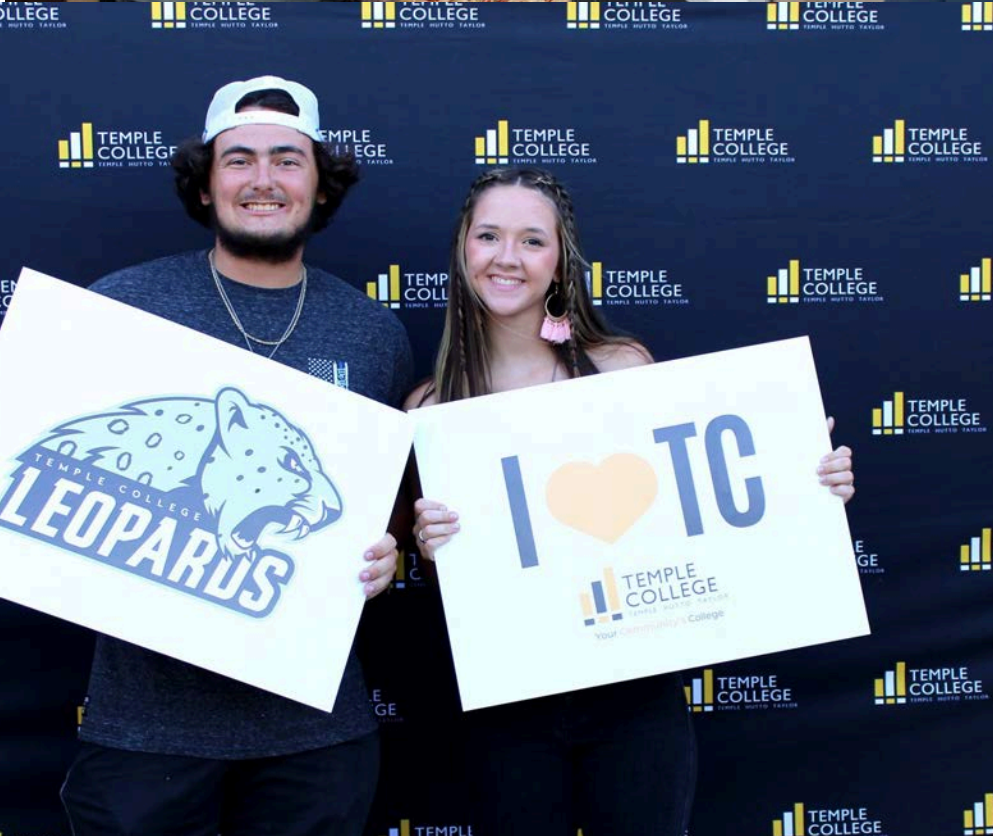
Developing Our Future Workforce through STEM















Questions

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John Bailey

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Your **Community's** College
