



MEMORANDUM

PROVOST, VICE PRESIDENT OF ACADEMIC AFFAIRS AND STUDENT SERVICES

To: Dr. Christina Ponce

From: Dr. Susan Guzmán-Treviño

Date: November 17, 2025

RE: Approval of Construction Technology Program

We are requesting the Board of Trustees approve offering the Associate of Applied Science, Construction Technology Program and other embedded awards.

The Temple Area Builders Association (TABA) has identified a pressing need for industry-relevant training programs that prepare individuals for careers in construction technology.

This program prepares individuals to apply technical knowledge and skills to keep a building functioning, and to service a variety of structures including commercial and industrial sites. It includes instruction in the basic maintenance of building systems, such as air conditioning, heating, plumbing, electrical, major appliances, and other mechanical systems. The program also includes project management skills that will prepare individuals to communicate, supervise, manage, and inspect construction sites and associated facilities. Topics such as personnel management, labor relations, diversity training, construction documentation, laws and regulation, scheduling, resource and cost control, and bid strategies are incorporated in the curriculum.

In addition to an embedded Occupational Skills Award, students obtaining the Associate of Applied Science (AAS), Construction Technology degree will be able to choose the concentration (Construction Management, Electrical, or Plumbing) they wish to pursue. Each concentration results in a Level 1 Certificate.

The Curriculum Committee unanimously approved the new programs and credentials at the November 5, 2025 Curriculum meeting. If approved by the board, students may enroll in the program for the fall 2026 semester. Please see following pages for the degree plans for:

- Occupational Skills Award (OSA), Construction Technician Foundations-Page 2
- Level 1 Certificate, Construction Management-Page 3
- Level 1 Certificate, Electrical Technician-Page 4
- Level 1 Certificate, Plumbing Technician-Page 5
- Level 1 Certificate, Project Management & Certification Core-Page 6
- Associate of Applied Science (AAS), Construction Technology-Page 7

We appreciate your consideration of this request.

**Occupational Skills Award (OSA)
Construction Technician Foundations**

	OSA in Construction Foundations			
1st 8 weeks	1210	CNBT	Basic Construction Safety	2
1st 8 weeks	1309	DFTG	Basic Computer-Aided Drafting	3
1st 8 weeks	1318	CNBT	Construction Tools and Techniques	3
2nd 8 weeks	1311	CNBT	Construction Materials and Methods I	3
2nd 8 weeks	1300	CNBT	Residential & Light Commercial Construction Drawings	3
			Total	14

**Level 1 Certificate
Construction Management Certificate
Construction Management Track**

	Level 1 Construction Management Certificate			
1st 8 weeks	1302	CNBT	MEP Systems in Construction 1	3
1st 8 weeks	1346	CNBT	Construction Estimating I	3
1st 8 weeks	1359	CNBT	Project Scheduling	3
2nd 8 weeks	2317	CNBT	Green Building	3
2nd 8 weeks	1342	CNBT	Building Codes & Inspections	3
			Total	15

**Level 1 Certificate
Electrical Technician Certificate
Electrical Technician Track**

	Level 1 Electrical Technician Certificate			
1st 8 weeks	1321	ELPT	Introduction to Electrical Safety and Tools	3
1st 8 weeks	1325	ELPT	National Electric Code I	3
1st 8 weeks	1302	CETT	Electricity Principles	3
2nd 8 weeks	1329	ELPT	Residential Wiring	3
2nd 8 weeks	1315	ELPT	Electrical Calculations I	3
			Total	15

**Level 1 Certificate
Plumbing Technician Certificate
Plumbing Technician Track**

	Level 1 Plumbing Technician Certificate			
1st 8 weeks	1306	PFPB	Basic Blueprint Reading for Plumbers	3
1st 8 weeks	1323	PFPB	Plumbing Codes 1	3
1st 8 weeks	1321	PFPB	Plumbing Maintenance and Repair	3
2nd 8 weeks	2308	PFPB	Piping Standards and Materials	3
2nd 8 weeks	2309	PFPB	Residential Construction Plumbing 1	3
			Semester Total	15

**Level 1 Certificate
Project Management & Certification Core**

	Level 1 Project Management & Certificate Core			
1st 8 weeks	2442	CNBT	Construction Management I	4
1st 8 weeks	2444	CNBT	Construction Management II	4
2nd 8 weeks	1380	CNBT	Cooperative Education - Construction Engineering Technology/Technician	3
2nd 8 weeks	1491	CNBT	Special Topics in Building Codes & Inspection	4
			Total	15

Associate of Applied Science (AAS) Construction Technology

Fall Semester					
	1st 8 weeks	1210	CNBT	Basic Construction Safety	2
	1st 8 weeks	1309	DFTG	Basic Computer-Aided Drafting	3
	1st 8 weeks	1318	CNBT	Construction Tools and Techniques	3
	2nd 8 weeks	1311	CNBT	Construction Materials and Methods I	3
	2nd 8 weeks	1300	CNBT	Residential & Light Commercial Construction Drawings	3
Semester Total					15

Spring Semester		
Students obtaining the Associate of Applied Science (AAS), Construction Technology degree will be able to choose one concentration track they wish to pursue. See previous pages for the courses specific to each track.		
Construction Management - Track 1		15 hrs
Electrical Technician - Track 2		15 hrs
Plumbing Technician - Track 3		15 hrs
Semester Total		15

Summer Semester					
	Summer 1			College Math	3
	Summer 2			Humanities/Fine Arts	3
Semester Total					6

Fall Semester					
Level I Certificate: Project Management & Certification Core	1st 8 weeks	2442	CNBT	Construction Management I	4
	1st 8 weeks	1491	CNBT	Special Topics in Building Codes & Inspection	4
	2nd 8 weeks	2444	CNBT	Construction Management II	4
	2nd 8 weeks	1380	CNBT	Cooperative Education - Construction Engineering Technology/Technician	3
Semester Total					15

Spring Semester					
	1st 8 weeks			SPCH 1315	3
	1st 8 weeks			English Composition	3
	2nd 8 weeks			Social Behavioral Science	3
Semester Total					9
AAS in Construction Technology Total					60