

2023 - 2024 Taylor High School
Course Selection Guide

Architecture and Construction

Plumbing and Pipefitting

Sequence	Year 1	Year 2	Year 3	Year 4	Industry Based Certifications
Plumbing and Pipefitting	Introduction to Welding 1 Credit 13032250	Plumbing Technology I 1 Credit 13006000	Plumbing Technology II 1 Credit 13006100	Practicum in Construction Technology 2 Credits 13005250	Tradesman Plumber – Limited
				OR	
				Practicum in Entrepreneurship 2 Credits NI303425	
				OPTIONAL: Career Preparation I 3 Credits 12701300	HBI Pre-Apprenticeship Certificate Training (PACT), Core

829R	Introduction to Welding	INTRWELD	CTE
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9 - 12	Program of Study: Plumbing and Pipefitting	13032250	Length of Course: Year	Credit: 1	On-Level
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Prerequisite(s): None	Fee Required: No
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Description: Introduction to Welding will introduce welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. Introduction to Welding will provide students with the knowledge, skills, and technologies required for employment in the welding industry. This course supports the integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills will prepare students for future success.

826R	Plumbing Technology I	PLTECH1	CTE
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10-12	Program of Study: Plumbing and Pipefitting	13006000	Length of Course: Year	Credit: 1	On-Level
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Recommended Prerequisite: Introduction to Welding	Fee Required: No
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Description: In Plumbing Technology, I, students will gain knowledge and skills needed to enter the industry as a plumbing apprentice, building maintenance technician, or supervisor or prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in industry workplace basics and employer/customer expectations, including how to use a plumbing codebook; how to identify and use power and hand tools; how to be safe on the jobsite and when using hand and power tools; how to apply basic plumbing mathematics and plumbing drawing; and how to identify, fit, and use plastic, copper, cast iron, carbon steel, and corrugated stainless steel pipe. In addition, students will be introduced to gas, drainage, and water supply systems and continue their knowledge of workplace basics and green technologies.

	Plumbing Technology II	PLTECH2	CTE
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11-12	Program of Study: Plumbing and Pipefitting	13006100	Length of Course: Year	Credit: 1	On-Level
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Recommended Prerequisite: Plumbing Technology I	Fee Required: No
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Description: In Plumbing Technology II, students will gain the advanced knowledge and skills needed to enter the industry as a plumber, building maintenance technician, or supervisor or prepare for a postsecondary degree in mechanical engineering. Students will acquire knowledge and skills in plumbing codes, industry workplace basics, and employer/customer expectations, including tool and job site safety, advanced plumbing mathematics, commercial drawings, basic electricity, hanger installation, supports and structural penetrations, roof drains, fixture installation, valves and faucets, and oxy-fuel safety. Students will also

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learn about setup, cutting, brazing, and welding water system sizing; gas, drain, waste, and vent installation and testing; and water heater installation.					
###	Practicum in Construction Technology (Available 2024 - 2025 school year)			PRACCT1	CTE
12	Program of Study: Plumbing and Pipefitting	13005250	Length of Course: Year	Credit: 2	GPA Level 1
Recommended Prerequisite: Plumbing Technology I				Fee Required: No	
Description: In Practicum in Construction Technology, students will be challenged with the application of knowledge and skills gained in previous construction-related coursework. In many cases students will be allowed to work at a job (paid or unpaid) outside of school or be involved in local projects the school has approved for this class.					
661R	Career Preparation I/Extended Career Preparation			EXCAREE1	CTE
11-12	Program of Study: All	12701305	Length of Course: Year	Credit: 2 or 3	Level 1 - on level
Prerequisite: None				Fee Required: No	
Description: Extended Career Preparation provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences. The goal is to prepare students with a variety of skills for a changing workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.					

Taylor ISD offers career and technical education programs in Health Science, Child Development, Transportation, Foods & Nutrition, Culinary, Agriculture/Mechanics, Cooperative Education, Business Information, Commercial Photography, Audio Visual and Criminal Justice. Admission to these programs is open to all students, but some courses may require a prerequisite course. It is the policy of Taylor ISD not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. It is the policy of Taylor ISD not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment practices as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended. Taylor ISD will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs. For information about your rights or grievance procedures, contact the Title IX Coordinator, Clarissa Rodriguez, and/or the Section 504 Coordinator, Jodi Witt at 3101 N. Main, Ste 104, Taylor, TX 76574, 512-365-1391.