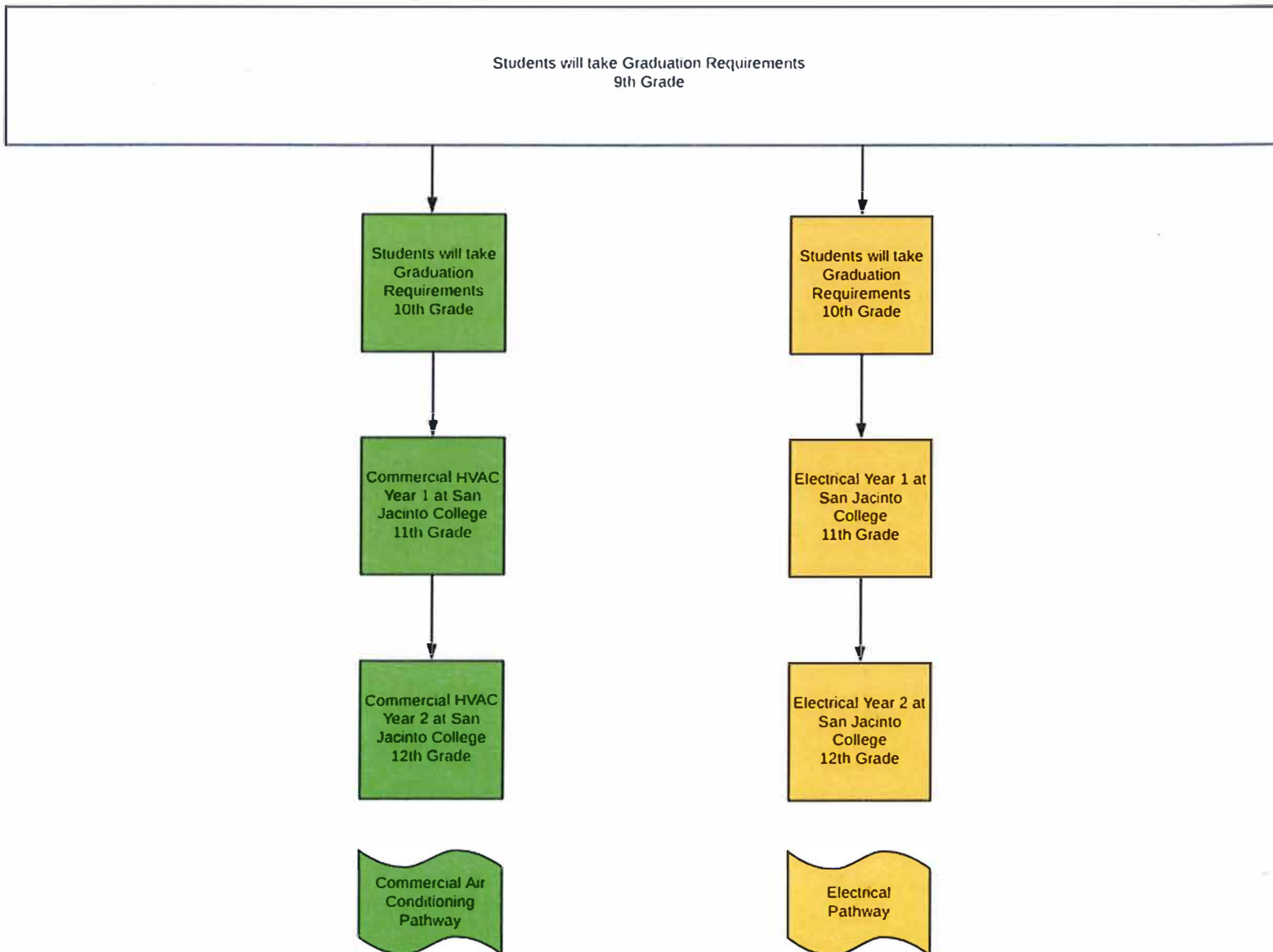




Crosby ISD CTE Programs of Study 2019 - 2020

Endorsement: Business and Industry CTE Cluster: Architecture and Construction





Crosby ISD CTE Programs of Study 2019 - 2020

Endorsement: Business and Industry CTE Cluster: Architecture and Construction

	Commercial Air Conditioning Pathway	Electrical Pathway
9 th Grade	Students will take Graduation Requirements	Students will take Graduation Requirements
10 th Grade	Students will take Graduation Requirements	Students will take Graduation Requirements
11 th Grade	Commercial Air Conditioning Program Year 1	Electrical Program Year 1
12 th Grade	Commercial Air Conditioning Program Year 2	Electrical Program Year 2
Additional Courses		
Certifications		



Crosby ISD CTE Programs of Study 2019 - 2020

CTE Cluster: Architecture and Construction Course Descriptions

9th Grade Options:

Students will take electives needed to meet graduation requirements

10th Grade Options:

Students will take electives needed to meet graduation requirements

11th Grade Options:

- **Commercial Air Conditioning Program Year 1** allows students to earn 16 college credits by taking the following classes:

<u>HART 1401</u>	Basic Electricity for HVAC	4
<u>HART 1407</u>	Refrigeration Principles	4
<u>HART 2441</u>	Commercial Air Conditioning	4
<u>HART 1445</u>	Gas and Electrical Heating	4

Credit: 2 Prerequisite: Acceptance into San Jacinto College's Commercial Air Conditioning Technology Program

- **Electrical Technology Program Year 1** allows students to earn 16 college credits by taking the following classes:

<u>ELPT 1215</u>	Electrical Calculations I	2
<u>CETT 1302</u>	Electricity Principles	3
<u>ELPT 1325</u>	National Electric Code I	3
<u>ELPT 1429</u>	Residential Wiring	4
<u>ELPT 1345</u>	Commercial Wiring	3
<u>ELPT 2215</u>	Electrical Calculations II	2

Credit: 3 Prerequisite: Acceptance into San Jacinto College's Electrical Technology Program

12th Grade Options:

- **Commercial Air Conditioning Program Year 1** allows students to earn 16 college credits by taking the following classes:

<u>HART 2331</u>	Advanced Electricity for HVAC	3
<u>HART 2336</u>	Air Conditioning Troubleshooting	3
<u>HART 2301</u>	Air Conditioning and Refrigeration Codes	3
<u>HART 2442</u>	Commercial Refrigeration	4
<u>HART 2368</u>	Practicum (or Field Experience) - HVAC/R Technology/Technician	3
or <u>HART 2338</u>	or Air Conditioning Installation and Startup	

Credit: 4 Prerequisite: Acceptance into San Jacinto College's Commercial Air Conditioning Technology Program and Commercial Air Conditioning Program Year 1 courses



Crosby ISD CTE Programs of Study 2019 - 2020

- **Electrical Technology Program Year 1** allows students to earn 16 college credits by taking the following classes:

<u>ELPT 1351</u>	Electrical Machines	3
<u>ELPT 1441</u>	Motor Control	4
<u>ELPT 2325</u>	National Electrical Code II	3
<u>ELPT 2343</u>	Electrical System Design	3

Credit: 4

Prerequisite: Acceptance into San Jacinto College's Electrical Technology Program and Electrical Technology Program Year 1 courses