

# SAN JACINTO COLLEGE NORTH - Dual Credit

## Commercial Air Conditioning Technology

North Campus focus: Commercial Air Conditioning / South Campus focus: Residential Air Conditioning

Air Conditioning is the process of controlling the temperature, humidity, cleanliness and distribution of air. In the Houston area, it means big business, and plays a vital part in everyone's life. It's important for human comfort in homes, schools, offices and shops and is vital in many manufacturing processes.

**Employment of HVAC technicians are projected to grow 14 percent from 2014 to 2024, faster than average for all occupations.**  
*Occupational Outlook Handbook*

**Entry Level Pay: \$30,682 per year** (in Gulf Coast Region)

**Average Mean Pay: \$45,776 per year** (in Gulf Coast Region)

[as of January of 2017] [www.texaswages.com](http://www.texaswages.com)

High school dropouts will make minimum wage (\$7.25 in 2017); or about \$15,080 per year.

**Occupational Certificate:** The air conditioning occupational certificate program is designed to provide students with entry level skills in the field of residential air conditioning and heating. The purpose of this certificate is to provide short-term training in air conditioning.

Commercial Air Conditioning Occupational Certificate		
Junior Year		
Fall		Spring
HART 1401 Basic Electricity for HVAC		HART 1445 Gas and Electrical Heating
HART 1407 Refrigeration Principles		HART 2441 Commercial Air Conditioning
Senior Year		
Fall		Spring
HART 2331 Advanced Electricity for HVAC		HART 2301 Air Conditioning and Refrigeration Codes
HART 2336 Air Conditioning Troubleshooting		HART 2442 Commercial Refrigeration

Students completing these four courses can be registered and certified through the "Texas Department of License and Regulations" in Air Conditioning Technology.

**Scholarships:** North Shore Rotary: the department gets one \$1,000 scholarship in the fall and spring.

**Costs:** For students taking four courses in one semester. (Occupational Certificate)

One Semester / Full-Time Student			quantity	Total
Tuition	at	\$50.00 per semester credit hour.	16	\$800.00
General Services Fee		\$150.00	1	\$150.00
Lab Fee	at	\$20.00 per course	4	\$80.00
Course Fee	at	\$7.00 per course	4	\$28.00
Books	at	\$110.00 per course	1	\$110.00
<b>Total Estimate:</b>		<b>\$337.00</b>		<b>\$1,168.00</b>

- Notes:
- 1) There is one book for all four courses.
  - 2) Supplies: there is a "suggested" tool bag costing about \$80.00; but it is not required.

<b>Instructors:</b>	<b>Ben Ficklin</b>	<b>TBA</b>
Email:	ben.ficklin@sjcd.edu	. @sjcd.edu
Phone:	281.998.6150 x7264	
Office:	CIT Building room N33.203g	room N33.203h
All instructors are required to have a degree and at least three years of industry experience.		
Mr. Ficklin is the best person to contact for information about the air conditioning technology program.		

**This program moved into the new Center for Industrial Technology in March of 2017.**

Check out our Facebook page at: [www.facebook.com/HVACR.Gators](http://www.facebook.com/HVACR.Gators)