



Catalog Supplement
2024-2025 Catalog, Volume 17
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Locations and Hours of Operation

PORT CHARLOTTE BRANCH CAMPUS

The campus contains classrooms, electrical labs, HVAC labs, veterinary assisting labs, surgical technician labs, medical assisting labs, and computer labs. The campus also has a dedicated Learning Resource Center, and faculty and administration offices. The average student to faculty ratio for didactic courses is 24:1. The average student to faculty ratio for lab courses is 18:1. The average student to faculty ratio for clinical courses is 12:1. The maximum student to faculty ratio for lab classes is 10:1 for the Surgical Technician degree program. STC Port Charlotte is located at 950 Tamiami Trail, Suite 109, Port Charlotte, Florida 33953. The telephone number for the campus is (941) 391-8888.

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Programs of Study

HVAC
Diploma
Auburndale, Brandon, Orlando, Port Charlotte and Sanford
48 Quarter Credit Hours/40 Weeks

The diploma program in HVAC is designed to prepare students for entry-level employment as HVAC technicians by providing students with a foundation of knowledge and technically oriented experiences in the application of relevant technology systems. The HVAC program curriculum includes learning experiences intended to prepare a successful graduate to install and service residential and light commercial air conditioning, heating and refrigeration systems. (600 clock hours)

Educational Objectives: Install, service, or repair heating, air conditioning and refrigeration systems in residences or commercial establishments.



Course Number	Required Courses	Quarter Credits
CON101	Introduction to Building Construction	6
EIT115	Basic Electricity and Electronics	4.5
EIT250	Motors and Controls	4.5
HAC150	Air Conditioning and Refrigeration Theory	4.5
HAC170	Air Conditioning	4.5
HAC200	Applied Heating	4.5
HAC230	HVAC System Design	4.5
HAC240	Commercial Refrigeration	4.5
HAC250	Commercial Air Conditioning	4.5
SLS110	Career Preparation	6
REQUIRED FOR GRADUATION		48

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Locations and Hours of Operation

TAMPA BRANCH CAMPUS

The campus includes five computer classrooms, a technology lab, ten lecture classrooms, medical labs, electrical labs, surgical technician labs, and welding lab. The campus also has a dedicated Learning Resource Center. The average student to faculty ratio for didactic courses is 24:1. The average student to faculty ratio for lab courses is 18:1. The average student to faculty ratio for clinical courses is 12:1. The maximum student to faculty ratio for lab classes is 10:1 for the Surgical Technician degree program. STC Tampa is located at 3910 Riga Boulevard, Tampa, Florida 33619. The telephone number for the campus is (813) 630-4401.

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Programs of Study

WELDING TECHNOLOGY

Associate of Applied Science

Auburndale, Orlando, Sanford and Tampa

90 Quarter Credit Hours/72 Weeks

The Welding Technology program is designed to fuse the technological, professional and technical skills necessary to ensure that graduates are competent welders and business professionals. This program offers students relevant general education, business and technology courses and a complete series of skills development in welding. Students will develop skills in Fillet (F) and Groove (G) Welding, and Metal Arc Shield Welding. Students will also learn MIG/TIG components

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of more advanced welding techniques for pipe welding. Students may be eligible to sit for certifications in basic and intermediate welding skills. Graduates from this program may seek entry level employment as a welder in a welding shop, ship yard, automotive repair facility, construction and other work settings.

Educational Objectives: Use hand-welding or flame-cutting equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products.

Course Number	Required Courses	Quarter Credits
BUS103	Introduction to Business	6
CON101	Introduction to Building Construction	6
SLS110	Career Preparation	6
WLD100	Introduction to Welding	4.5
WLD102	Fillet Welding	4.5
WLD103	Introduction to Fabrication	4.5
WLD111	Structural Welding	4.5
WLD120	SMAW Groove Welding	4.5
WLD141	Basic Pipe Welding	4.5
WLD145	Introduction to TIG Welding	4.5
WLD251	Pipe Welding I	4.5
WLD261	Pipe Welding II	4.5
WLD280	Non-Ferrous Welding I	4.5
WLD284	Non-Ferrous Welding II	4.5
Total Core Credits		67.5
General Education Courses		
COC100	Computer Concepts	4.5
COM101	Communications	6
ENG101	English Composition	6
MAT105	College Mathematics	6
Total General Education Credits		22.5
REQUIRED FOR GRADUATION		90



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2024-2025 ACADEMIC CALENDAR MODULAR TERMS*

Term ID	Class Start Date	Class End Date	Holidays / Breaks
		WINTER 2024	
Winter A	January 8, 2024	February 1, 2024	January 15, 2024 • MLK Jr. Day, No Classes
Winter B	February 5, 2024	February 29, 2024	
Winter C	March 4, 2024	March 28, 2024	March 31-April 7, 2024 • Spring Break, No Classes
Term ID	Class Start Date	Class End Date	Holidays / Breaks
		FALL 2025	
Fall A	September 29, 2025	October 23, 2025	
Fall B	October 27, 2025	November 20, 2025	
Fall C	November 24, 2025	December 18, 2025	November 27-28, 2025 • Thanksgiving, College Closed December 19, 2025-January 4, 2026 • Winter Break, No Classes December 24, 2025 • Christmas Observed, College Closed

*All dates are subject to change without notice.

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Catalog Pages 62-63 Course Descriptions

SON100 Foundations of Sonography

4.0 credit hours

This course provides an introduction to the field of Diagnostic Medical Sonography and the role of the sonographer in the healthcare industry. In this course students are provided with an overview of related medical terminology, an understanding of medical law and ethics, and general patient care practices, infection control, emergency procedures, blood-borne pathogens, HIV-AIDS, HIPAA, first aid, and CPR. Students also learn ergonomically correct scanning techniques and develop an understanding of the importance of personal fitness, support tools and devices, equipment adjustments, and patient positioning. Prerequisite(s): BSC111.

SON105 Gross Anatomy

4.0 credit hours

This course introduces students to the necessary protocols and procedures of the ultrasound laboratory, including scanning criteria and documentation of images, in preparation for physician review. Presents knowledge of relational anatomy physiology, pathophysiology sonographic appearance, and the associated vasculature structures. Prerequisite(s): SON100 and SON102.

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**SON125 Principles of Ultrasound Instrumentation and Acoustic Physics****6.0 credit hours**

In depth presentation of concepts related to acoustic physics, Doppler and ultrasound principles and the operation and ultrasound instrumentation. Interaction of ultrasound and tissue and quality assurance methods will be included. Prerequisite(s): PHY202 and MAC110.

SON210 Transabdominopelvic Sonography**4.0 credit hours**

Presents the sonographic and Doppler appearance, both normal and abnormal, of the organs of the abdomen and the pelvis as well as the peritoneal spaces and retroperitoneal structures. Recognition of disease processes and correlation of findings to patient history and physical, differential diagnosis and laboratory findings will be emphasized. Prerequisite(s): SON212 and SON215.

SON212 Gynecologic Sonography**4.0 credit hours**

Presents the sonographic and Doppler appearance of normal and abnormal structures of the non-gravid female pelvis with emphasis on the correlation of abnormal findings to the patient's history, physical, differential diagnosis and laboratory findings. Prerequisite(s): SON100 and SON125.

SON218 Embryonic and Fetal Sonography**4.0 credit hours**

Discussion of the sonographic appearance, both normal and abnormal, of fetal and embryonic anatomic structures throughout gestation. Correlation of abnormal findings with maternal history, physical and laboratory findings will be emphasized. Prerequisite(s): SON212 and SON215.

SON272 Sonography Clinical I**3.0 credit hours**

In this course, students will be introduced to the appropriate use of oral and written communications and providing appropriate patient care while following standard procedures for infection control in the health care environment. Students will be introduced in the use of various types of ultrasound equipment and will receive guidance in producing quality sonographic images and the parameters used to evaluate the images. Student will demonstrate knowledge of gross anatomy, interventional and invasive procedures through interaction with ultrasound technology while practicing ergonomically correct scanning techniques. Prerequisite(s): SON105, SON215 and SON218.

SON285 Sonography Externship I**13.0 credit hours**

Provides opportunity to apply theory and training acquired in the classroom and laboratory settings to the performance of sonographic examinations in the clinical setting. Students will perform sonographic examinations of the abdomen, superficial structures, the gravid and non-gravid pelvis and the non-cardiac chest using both transabdominal and endocavitary transducers and Doppler display modes. Prerequisite(s): Completion of all core courses.