

Technical Standards for Biomedical Engineering Technology Program

Contact Information

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Accessibility Services

<http://www.spcollege.edu/future-students/admissions/accessibility-services-admissions>

The Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973 ensure that qualified applicants have the ability to pursue program admission. However, all students must meet the essential skills and technical standards required of the St. Petersburg College Program with or without reasonable accommodations for admission and completion of the program to prepare for the profession of study. Each student will be held to the same standards with or without reasonable accommodations. Our focus is the student and to best prepare him or her for the profession. Our goal is for them to enter and complete the program without barriers.

General Physical Requirements Students must:

Students are expected to:

- tolerate walking and standing for at least 15 minutes at a time, multiple times per hour.
- carry, push, and pull up to 35 lbs.
- bend, stoop, twist, climb, crouch/squat, kneel, sit and stand as needed to service medical equipment.
- reach at, above and below shoulder level, flex/extend neck in order to inspect and repair medical devices

Cognitive Ability

Students must:

- Be able to access information from books, reference manuals, computers, paper and electronic medical manuals to perform duties and safely use equipment without assistance.
- Be able to prioritize, organize, and utilize time-management skills to perform maintenance and troubleshooting activities.
- Be able to form possible troubleshooting solutions to repair medical devices based on collected information

Communication Skills

Students must:

- Read, write, speak and report accurately and effectively.
- Comprehend and carry out complex written, and oral instructions.
- Be able communicate with other individuals by speech, either in person or by telephone.
- Keep records of maintenance, repair, and required updates of equipment.
- Ability to effectively communicate with technicians, nurses, and doctors.

Manual Dexterity and Mobility

Students must:

- Test or calibrate components or equipment using hand tools, power tools, or measuring devices.
- Hand and finger dexterity capable of pushing keypads, twisting locks, removing screws, handling screwdrivers, setting dials, remove covers and cases, cut wire, solder wire, place electrical boards and components.
- Adjust equipment settings by pushing buttons, turning knobs, and using touchscreens.
- Perform preventive maintenance or service, such as cleaning, lubricating, or adjusting cables.

Auditory, Olfactory, and Visual Skills

Students must:

- visualize and inspect medical equipment to identify cracks, missing components, discoloration, missing parts, holes, and broken screens.
- possess the visual or observational acuity to discern electrical waveforms, electrocardiogram waveforms, SpO₂ waveforms, wire colors, burnt electrical components, computer screen performance, indicator light intensity, in addition to reading measurements of digital and analog displays.
- have the ability to discern medical device alarms and be able to ascertain different levels of intensity of sounds in order to verify alarm volume is correct.

Accessibility Services: St. Petersburg College recognizes the importance of equal access for all students. Accessibility Services is the campus office that works with students who have disabilities to provide and/or arrange reasonable accommodations. Instructors may not grant accommodations without proper notification from this Office. Due to the nature of the biomedical equipment program, accommodations requested for labs and/or internships will be determined by a committee that includes the Accessibility Coordinator, Academic Chair/Program Director, Dean, and other professionals deemed appropriate and on a case-by-case basis. These requests must be made prior to the semester starting or the in the first few weeks. Students registered with Accessibility Services are encouraged to contact their instructors early in the semester. Students who have, or think they may have, a disability (e.g. learning disability, ADD/ADHD, psychiatric, medical/orthopedic, vision, and/or hearing) are invited to contact Accessibility Services for a confidential discussion. Additional information is available at the college-wide Accessibility Services website: <http://www.spcollege.edu/future-students/admissions/accessibility-services-admissions>

Office of Accessibility Services Contacts

Accessibility Services Coordinators by Campus		
Coordinators	Phone	Campus
Aimee Stubbs	727-341-3398	Collegewide
Jeff Zeigler	727-791-2710	Clearwater Campus
Ray Hollowell	727-341-4316	St. Petersburg/Gibbs
Dr. Tonya (TJ) Williams	727-712-5789	EpiCenter and SPC Downtown
Elizabeth Shumate	727-712-5789	Tarpon Springs
Stefanie Silvers	727-341-3721	Health Education Center
Kelli Mitchell	727-394-6289	(TTY) Seminole Campus
Lisa Gould	727-398-8284	(TTY) Midtown/Allstate Campus