

REQUIRED TECHNICAL STANDARDS

St. Petersburg College is committed to our policy that all persons shall have equal access to its programs, facilities and employment without regard to race, color, creed, religion, national origin, sex, marital status, disability, public assistance status, veteran status or sexual orientation.

Within the context of our mission, St. Petersburg College abides by the Americans with Disabilities Act of 1990, and other applicable statutes and regulations to equality of opportunity.

The Technical Standards for the A.S. in Environmental Sciences are those attributes and characteristics that involve cognition, skill, and thoughts and feeling. These standards are not used as part of admission, rather, they are identified to provide students with the opportunity to determine if they may need or require some level of accommodation or modification. Once identified, the student will be referred to the appropriate source for accommodation or modification assistance.

TECHNICAL STANDARDS

ISSUE	STANDARD	EXAMPLES OF NECESSARY ACTIVITIES
<p>CRITICAL THINKING (cognitive application)</p>	<p>Critical thinking that demonstrates the application of knowledge, skills, and values learned through previous course work along with sufficient thinking for clinical judgment, thoughts (inductive and deductive), feelings, and behaviors sufficient to manage and implement safe practices.</p>	<p>Identify cause-effect relationships in varying situations, display ability to concentrate, problem-solve, calculate and development of a plan of action. Identify complex problems and reviewing related information, able to develop and evaluate options and implement solutions.</p>
<p>INTERPERSONAL SKILLS (valuing and professional skills)</p>	<p>Demonstrates positive interpersonal abilities sufficient to interact with individuals and groups from a variety of backgrounds. Demonstrates respect for self and others, has integrity and is honest, and adheres to professional standards.</p>	<p>Establishes rapport with individuals and groups from diverse socioeconomic and cultural backgrounds, functions within the discipline as a member of the profession and a colleague. Demonstrates characteristics of empathy, altruism, integrity, honesty, responsibility, and tolerance.</p>
<p>COMMUNICATION (oral and written expression, reception, reading)</p>	<p>Communicates effectively and sensitively in written and spoken English, understands and responds effectively to both formal and colloquial English, person to person communication, by telephone, technology or in the written form. Assesses and responds to verbal and non-verbal communication in an environment with individuals and groups.</p>	<p>Assesses and evaluates data. Works as a part of a professional team.</p>

<p>Mobility (locomotion and gross mobility)</p>	<p>Sufficient ability to move from room to room, place to place in a number of physical settings. Ability to move in unpredictable outside environments where ground cover may be uneven. Able to maneuver in small spaces. Able to operate equipment, and must be able to lift 20 pounds.</p>	<p>Moves around equipment, and may work within small spaces to gather samples. Moves around uneven terrain to collect data or assess environmental conditions. Able to work in outside conditions that with various weather conditions that may include rain, heat, etc.</p>
<p>Motor Skills (fine motor skills)</p>	<p>Gross and fine motor skills sufficient to respond to duties, manipulate equipment required within a field setting.</p>	<p>Ability to use specific testing equipment (ex. calibration machine, testing kits, etc.) that may require fine motor calibration and manipulation of dials, switches, and knobs.</p>
<p>Sensory Acuity (includes hearing, vision and tactile ability)</p>	<p>Corrected auditory and visual acuity to be able to hear and see verbal and emergency signals in an effort to respond to various situations. Able to discriminate different sounds from physical assessment in an effort to recognize changing condition. Tactile ability sufficient to perform physical assessment and engage in skills performance.</p>	<p>Responds to alarms, requests for assistance, emergency signals, cries for help, tape recorded transmissions, oral report, other auditory and visual stimuli and ability to read small print of directions. Tactile ability sufficient to function etc.</p>
<p>Safety (includes observation of change)</p>	<p>Manages and maintains and environment that is safe for the individual, groups and personnel. Follows prescribed guidelines for safety within the organization. Recognizes and responds to safety issues in a timely manner, able to recognize emergency situations and takes</p>	<p>Responds to changing conditions through effective observation, maintains an environment that is safe and promotes a safety culture (including safety relating to mechanical, electrical, thermal, chemical, radiologic, and bio-hazardous threats), follows policies and procedures.</p>

	appropriate actions.	
Stability	Maintains a mature, sensitive, and effective relationship with peers and members of the work team under all circumstances, including those situations that are highly stressful.	Must be able to work as a member of a team. Has the ability to cope with the stresses of the role.

No list can ever be inclusive and this list of technical standards is no different. Environmental science is a complex and engaging profession that requires a number of different skills and attributes. Students or potential students that would like additional information of skills can be directed to the individual course instructor.