

Technical Standards: Sustainable Agriculture Science Technology

All Students in this program are expected to meet certain essential functions/technical standards which are essential for successful completion of all phases of the program and which reflect industry requirements and standards. To verify the students' ability to perform these essential functions, students may be required to demonstrate the following technical standards:

Standard	Definition of Standard	Example(s) of Technical Standard
CRITICAL THINKING SKILLS	<ul style="list-style-type: none"> Ability to apply facts and knowledge to develop a solution to a problem 	<ul style="list-style-type: none"> Diagnose a pest or disease. Choose appropriate crop varieties. Design a production schedule.
MOBILITY/MOTOR SKILLS	<ul style="list-style-type: none"> Physical ability to reasonably perform required tasks 	<ul style="list-style-type: none"> Ability to use hand tools such as pruners, rakes, and shovel. Able to work in various environmental conditions such as heat, cold, or wet weather. Able to operate equipment.
TACTILE SKILLS	<ul style="list-style-type: none"> Ability to perform fine motor skill tasks 	<ul style="list-style-type: none"> Write legibly. Engage in plant propagation such as grafting, stem cuttings, and seed germination. Sketch a farm design.
VISION SKILLS	<ul style="list-style-type: none"> Visual ability for identifying details, using equipment, hand/eye coordination 	<ul style="list-style-type: none"> Identify pest or disease symptoms or signs. Identify plant parts. Inspect and safely operate equipment.
COMMUNICATION SKILLS	<ul style="list-style-type: none"> Ability to convey information through written and verbal form 	<ul style="list-style-type: none"> Use scientific terminology. Compose a detailed commodity establishment plan. Describe marketing characteristics of crops.
INTERPERSONAL SKILLS	<ul style="list-style-type: none"> Able to interact with others in a professional manner while conducting business 	<ul style="list-style-type: none"> Listen and follow directions. Work with a team to plan, initiate, maintain, and harvest cropping systems. Take responsibility for assigned tasks.
BEHAVIORAL SKILLS	<ul style="list-style-type: none"> Demonstrate a mature, responsible attitude toward others within the workplace 	<ul style="list-style-type: none"> Ask questions for clarification when necessary. Perform quality work at a sustainable pace. Demonstrate dependability and punctuality.