

Technical Standards: Applied Animal Science

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 an animal illness and proper treatment. Choose a suitable breed/species based on farm goals. |
| 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 mechanical farm equipment such as a piglet ear notcher, drencher, and body condition caliper. Able to work in various environmental conditions and animal facilities. Able to restrain and work livestock. |
| TACTILE SKILLS | <ul style="list-style-type: none"> Ability to perform fine motor skill tasks | <ul style="list-style-type: none"> Sketch a farm setup draft. Use a microscope. |
| VISION SKILLS | <ul style="list-style-type: none"> Visual ability for identifying details, using equipment, hand/eye coordination | <ul style="list-style-type: none"> Ability to identify various livestock species and breeds. Ability to subjectively body condition score livestock such as cattle and poultry. Able to set up an observational research study. |
| COMMUNICATION SKILLS | <ul style="list-style-type: none"> Ability to convey information through written and verbal form | <ul style="list-style-type: none"> Use technical language as it pertains to animal science. Complete scientific writing using animal research. |
| 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 on an animal husbandry project. Interview agriculture professionals. |
| 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 and for clarification when necessary. Perform quality work with efficiency. Demonstrate dependability and punctuality. |