Great Oaks Equine Science and Management
Essential Skills Profile

This profile provides an outline of the skills required for successful completion of this career program. Additional information is located on the Great Oaks website at https://hs.greatoaks.com/future-students/essential-skills-for-high-school-programs and selecting the corresponding career program.

Recommended WorkKeys® Scores for Equine Science and Management

Applied Mathematics-3	Graphic Literacy-4
Workplace Documents-4	

*Practice tests and more information at
https://jobseeker.ohiomeansjobs.monster.com/Assessments/Home.aspx

Essential Skills Needed to Successfully Complete the Program			
Rating Key:	**Low = Slightly Essential**	**Medium = Essential**	**High = Very Essential**

Key Vocational Factors		Rating
Visual Acuity	The ability to detect differences/details visually	Medium
Depth Perception	The ability to detect the physical distance/depth of objects in space and time	Medium
Oral Communication	The ability to express/explain ideas	High
Written Communication	The ability to communicate in a written format and record information accurately	Medium
Physical Mobility/Strength	Bending, lifting more than 50 pounds, standing, lifting cages and equipment	High
Eye-hand Coordination	The ability to use tools	Medium
Auditory Acuity	The ability to detect differences in pitch and sound	Low

Worker Trait Skills	Rating
Ability to get along with others	Medium
Ability to work independently, without close supervision	High
Ability to work toward work including tasks of minimal interest	Medium
Ability to work accurately, recheck and correct work, to an industry standard	Medium
Dependability (Attendance and Punctuality)	High
Ability to follow and retain:	
Multistep oral instructions	High
Written instructions/technical manuals - multistep	Medium
Simple to complex diagram instructions	Low
Visual models or demonstrated instructions	Medium
Ability to use tools of trade (reins, pet grooming products, leashes or leads, harnesses or its accessories, domestic pet training kits, etc.)	High

Ability to use numerical data (count, measure, compute, etc.) in applied setting	Low
Ability to discriminate between objects of similar:	
Size	Medium
Shape	Medium
Color	Medium
Spatial Relationship	Medium
Ability to organize work process/follow defined procedures	Medium
Ability to follow sequence or to determine sequence of actions to a successful conclusion.	High
Dexterity (fine finger)	Medium
Instructing: Teaching others how to do something	High
Learning Strategies: Selecting and using training/instructional methods and procedures appropriate for the situation when learning or teaching new things	High
Speaking: Talking to others to convey information effectively	High

Reading Skills *See Recommended WorkKeys® Scores Above	
Math Skills *See Recommended WorkKeys® Scores Above	
Counting-Recording-Comparing-Calculating	Whole numbers
Calculating fractions, ratios	

Additional Abilities Required

Problem Sensitivity	The ability to tell when something is wrong or is likely to go wrong. It does not involve solving the problem, only recognizing there is a problem.
Oral Expression	The ability to communicate information and ideas in speaking so others will understand.
Oral Comprehension	The ability to listen to and understand information and ideas presented through spoken words and sentences.

Knowledge Required in Equine Science and Management Field

Customer and Personal Service	Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.
Education and Training	Knowledge of principles and methods for curriculum and training design, teaching and instruction for individuals and groups, and the measurement of training effects.
Psychology	Knowledge of human behavior and performance; individual differences in ability, personality, and interests; learning and motivation; psychological research methods; and the assessment and treatment of behavioral and affective disorders.

Additional Considerations

Must be dependable	Must like working with large animals
Must like getting dirty and wearing gloves	Does not mind animal and chemical smells
Must not be allergic to pet, animal, and hay	Does not mind handling unfamiliar animals

Equine Science and Management Work Activities

Train horses or other equines for riding, harness, show, racing, or other work, using knowledge of breed characteristics, training methods, performance standards, and the peculiarities of each animal.	Conduct training programs to develop or maintain desired animal behaviors for competition, entertainment, obedience, security, riding, or related purposes.
Talk to or interact with animals to familiarize them to human voices or contact.	Use oral, spur, rein, or hand commands to condition horses to carry riders or to pull horse-drawn equipment.
Cue or signal animals during performances.	Train dogs in human assistance or property protection duties.
Retrain horses to break bad habits, such as kicking, bolting, or resisting bridling or grooming.	Feed or exercise animals or provide other general care, such as cleaning or maintaining holding or performance areas.
Observe animals' physical conditions to detect illness or unhealthy conditions requiring medical care.	Evaluate animals to determine their temperaments, abilities, or aptitude for training.
Train dogs to work as guides for the visually impaired.	Place tack or harnesses on horses to accustom horses to the feel of equipment.
Administer prescribed medications to animals.	Organize or conduct animal shows.
Keep records documenting animal health, diet, or behavior.	Evaluate animals for trainability and ability to perform.
Advise animal owners regarding the purchase of specific animals.	Instruct jockeys in handling specific horses during races.

Technology

Word processing software	Project management software

Presentation software	Database user interface and query software
Calendar and scheduling software	

Available Certifications

Hazardous Occupations Safety Training in Agriculture (HOSTA)	Industrial Forklift Certification (1 Point)
CPR/First Aid Certification (1 Point)	(OSHA-10 for Agriculture (1 Point)

Possible College Credits

College Credit Plus in English, Math, Social Studies, or Science	Must be preapproved. Must pass a college course at an Ohio college or College Credit Plus class at Great Oaks.
Career Technical Credit Transfer	The Ohio Transfer to Degree Guarantee helps career and technical students transfer credits earned in high school to community college or four-year degree programs. The credit can be used at any Ohio public college or university: • If you successfully completed your career-technical program and passed certain required assessments. • If you attend a similar program at a public Ohio college or university. For more information, go to www.transfercredit.ohio.gov
Articulated Credit	Great Oaks has agreements with certain colleges; if you attend one of those colleges you can get credit toward a specific degree. Currently, Great Oaks has agreements in your program with: • Southern State Community College (Agriculture Production, up to 4 credit hours possible) • Clark State Community College (Agriculture Business Technologies, up to 6 credit hours possible) • Ohio University—Southern Campus (Equine Studies, up to 10 credit hours possible) • Wilmington College (Agriculture, up to 2 credit hours possible)

*Additional college or post-secondary education may be required in this field

Possible Career Pathways

Assistant Trainer	Riding Instructor
Trainer	Farm Manager