



Utah System of Higher Education

The Gateway, Salt Lake City, UT 84101

801-646-4784

Heavy Equipment Operator		Course Description	
<i>Catalog Year: 2024, Required Hours: 300, Credits: 10</i>			
Foundational Courses (Required Hours: 300, Credits: 10)			
<i>Aligned (Required Hours: 300, Credits: 10)</i>		Credits	Hours
TEHE 1010	Heavy Equipment Operator Introduction/Basics	2.00	60.00
<p>This course will provide an overview of Safety, Blue Stakes, equipment operation, basic familiarization with equipment utilization/use. The course will also include workplace communication and awareness.</p> <p>Objectives:</p> <ul style="list-style-type: none"> • Explain the fundamentals of a safe work environment. • Demonstrate safety procedures and familiarization with equipment use. • Demonstrate proper workplace communication and awareness of the work environment. 			
TEHE 1050	Skid Steer/Compact Loader Operation	2.00	60.00
<p>This course will cover the fundamentals of skid steer and compact loader operation.</p> <p>Objectives:</p> <ul style="list-style-type: none"> • Demonstrate safe start procedures for the equipment. • Properly conduct a pre-operation inspection and related maintenance. • Identify and explain the proper use of the machine and associated control devices. • Demonstrate basic operating techniques. 			
TEHE 1100	Hydraulic Excavator Operation	2.00	60.00
<p>This course will cover safety related to and the fundamental operation of hydraulic excavators.</p> <p>Objectives:</p> <ul style="list-style-type: none"> • Demonstrate safe start procedures for the equipment. • Properly conduct a pre-operation inspection and related maintenance. • Identify and explain the proper use of the machine and associated control devices. • Demonstrate basic operating techniques. 			
TEHE 1150	Backhoe (Tractor Loader Backhoe) Operation	2.00	60.00
<p>This course will cover safety related to and the fundamental operation of tractors, loaders, and backhoes.</p> <p>Objectives:</p> <ul style="list-style-type: none"> • Demonstrate safe start procedures for the equipment. • Properly conduct a pre-operation inspection and related maintenance. • Identify and explain the proper use of the machine and associated control devices. • Demonstrate basic operating techniques. 			
TEHE 1200	Front End Loader Operation	2.00	60.00
<p>This course will cover safety related to and the fundamental operation of front-end loaders.</p> <p>Objectives:</p> <ul style="list-style-type: none"> • Demonstrate safe start procedures for the equipment. • Properly conduct a pre-operation inspection and related maintenance. • Identify and explain the proper use of the machine and associated control devices. • Demonstrate basic operating techniques. 			
Supplemental Courses Varies by Institution (Required Hours: 180, Credits: 6)			
<i>USU-E (Required Hours: 180, Credits: 6)</i>		Credits	Hours
TEHE 1250	Dozer Operation	2.00	60.00
<p>This course will cover safety related to and the fundamental operation of dozers.</p> <p>Objectives:</p> <ul style="list-style-type: none"> • Demonstrate safe start procedures for the equipment. • Properly conduct a pre-operation inspection and related maintenance. • Identify and explain the proper use of the machine and associated control devices. • Demonstrate basic operating techniques. 			



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TEHE 1300	Road Grader Operation	2.00	60.00
<p>This course will cover safety related to and the fundamental operation of road graders.</p> <p>Objectives:</p> <ul style="list-style-type: none"> • Demonstrate safe start procedures for the equipment. • Properly conduct a pre-operation inspection and related maintenance. • Identify and explain the proper use of the machine and associated control devices. • Demonstrate basic operating techniques. 			
TEHE 1400	Forklift Operation	1.00	30.00
<p>This course will cover safety related to and the fundamental operation of forklifts.</p> <p>Objectives:</p> <ul style="list-style-type: none"> • Demonstrate safe start procedures for the equipment. • Properly conduct a pre-operation inspection and related maintenance. • Identify and explain the proper use of the machine and associated control devices. • Demonstrate basic operating techniques. 			
TEHE 1500	Worksite Planning for Operators	1.00	30.00
<p>This course will cover worksite planning considerations regarding heavy equipment operation.</p> <p>Objectives:</p> <ul style="list-style-type: none"> • Recognize the various special or additional circumstances, processes, or procedures associated with heavy equipment worksites. • Identify specific resources to address these special or additional circumstances associated with heavy equipment worksites. 			