



Utah System of Higher Education

The Gateway, Salt Lake City, UT 84101

801-646-4784

Heavy Equipment Operator		Course Description	
Catalog Year: 2024, Required Hours: 300, Credits: 10			
Foundational Courses (Required Hours: 300, Credits: 10)			
Aligned (Required Hours: 300, Credits: 10)		Credits	Hours
TEHE 1010	Heavy Equipment Operator Introduction/Basics	2.00	60.00
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.			
Objectives: <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
This course will cover the fundamentals of skid steer and compact loader operation.			
Objectives: <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
This course will cover safety related to and the fundamental operation of hydraulic excavators.			
Objectives: <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
This course will cover safety related to and the fundamental operation of tractors, loaders, and backhoes.			
Objectives: <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
This course will cover safety related to and the fundamental operation of front-end loaders.			
Objectives: <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)			
USU-E (Required Hours: 180, Credits: 6)		Credits	Hours
TEHE 1250	Dozer Operation	2.00	60.00
This course will cover safety related to and the fundamental operation of dozers.			
Objectives: <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
This course will cover safety related to and the fundamental operation of road graders.			
Objectives:			
<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
This course will cover safety related to and the fundamental operation of forklifts.			
Objectives:			
<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
This course will cover worksite planning considerations regarding heavy equipment operation.			
Objectives:			
<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. 			