

TRUCK DRIVING (Less-Than-One-Year Certificate)

(TDR 2100)

Minimum 16 hours

Brian Koch | (618) 634-3384 | briank@shawneecc.edu

This program incorporates career and personal development skills to prepared students for employment in the trucking industry. The curriculum provides the student with a strong understanding of the transportation industry and necessary skills and knowledge to successfully obtain a commercial driver's license (CDL), meeting Department of Transportation and Federal Motor Carrier Safety Administration (FMCSA) requirements.

Note: No minimum placement test required.

Admission Requirement

AGE: Minimum age of 18 will meet most employer age requirements.

PHYSICAL CONDITION: Must be able to pass a complete physical examination and Department of Transportation (DOT) drug screening. Must be able to satisfactorily perform the required essential tasks as listed in the job description of the career field.

EDUCATION: High school diploma or High School Equivalency Certificate.

SUBSTANCE ABUSE: Must not use alcohol, amphetamines, marijuana, narcotics, or opioids. Must be able to pass a drug-screening test to comply with Department of Transportation (DOT) and Clearinghouse regulations.

		Credit Hours
TDR 176	Truck Driving	14
TDR 198	Externship	2
TOTAL HOURS		16

Possible Career Opportunities

Over the Road, Regional, and Local Truck Driver, Truck Driver Trainer, Truck Driver Dispatcher, Dump Truck Operator, Trash Truck Operator, Hopper Bottom Driver for Farming

O*NET Links: www.onetonline.org

SOC Codes: 53-3032

CBE COMBINATION WELDING (One-Year Certificate)

(WEL 1150)

Minimum 30 hours

Kyle Schierbaum | (618) 634-3444 | kylesc@shawneecc.edu

This one-year certificate program prepares students for a career in welding through training in the fundamentals of welding theory and practice to the standards established by the American Welding Society (AWS). The program prepares students for AWS SENSE Level I and II certification exams. All courses are delivered in the competency-based education modality with the exception of OSHA for general industry.

FALL SEMESTER		Credit Hours
OSH 101	OSHA 10 for General Industry	1
WEL 101	Introduction to Welding	1
WEL 102	Metal Cutting Processes	1
WEL 103	Metal Working Tools	1
WEL 104	Introduction to Inspection for Welders	1
WEL 105	Gas Metal Arc Welding I	1
WEL 106	Gas Metal Arc Welding II	1
WEL 107	Gas Metal Arc Welding III	1
WEL 108	Shielded Metal Arc Welding I	1
WEL 109	Shielded Metal Arc Welding II	1
WEL 110	Shielded Metal Arc Welding III	1
WEL 111	Introduction to Metallurgy	1
MAT 100	CBE Technical Mathematics I	1
MAT 101	CBE Technical Mathematics II	1
MAT 102	CBE Technical Mathematics III	1
TOTAL HOURS		15

SPRING SEMESTER		Credit Hours
WEL 112	Shielded Metal Arc Welding IV	1
WEL 113	Shielded Metal Arc Welding V	1
WEL 114	Shielded Metal Arc Welding VI	1
WEL 115	Shielded Metal Arc Welding VII	1
WEL 116	Shielded Metal Arc Welding VIII	1
WEL 117	Pipe Welding I	1
WEL 118	Pipe Welding II	1
WEL 119	Pipe Welding III	1
WEL 121	Pipe Welding IV	1
WEL 164	Gas Tungsten Arc Welding I	1
WEL 165	Gas Tungsten Arc Welding II	1
WEL 167	Gas Tungsten Arc Welding III	1
WEL 168	Blueprint Reading I	1
WEL 169	Blueprint Reading II	1
WEL 170	Blueprint Reading III	1
TOTAL HOURS		15

Possible Career Opportunities:

Welders, Cutters, Solderers, and Brazers; Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders; Sheet Metal Workers; Structural Metal Fabricators and Fitters; Maintenance and Repair Workers, General; Layout Workers, Metal and Plastic; Boilermakers; Plumbers, Pipefitters, and Steamfitters; Structural Iron and Steel Workers; Rail-Track Laying and Maintenance Equipment Operators; Industrial Machinery Mechanics; Rail Car Repairers; Maintenance Workers, Machinery; Team Assemblers; Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic Grinding and Polishing Workers, Hand; Commercial Divers

O*NET Links: www.onetonline.org SOC Codes: 51-4121

Demand Occupation Training List

O*NET-SOC 2019 Code	O*NET-SOC 2019 Title	Annual Openings	Education/ OJT code	Median Wage per Hour	Demand Code
514034	Lathe and Turning Machine Tool Setters, Operators, and	290	7	20.73	0
514035	Milling and Planing Machine Setters, Operators, and	95	7	22.39	0
514041	Machinists	3356	8	19.44	4
514051	Metal-Refining Furnace Operators and Tenders	81	7	22.28	0
514052	Pourers and Casters, Metal	56	7	20.95	0
514061	Model Makers, Metal and Plastic	48	7	30.79	0
514062	Patternmakers, Metal and Plastic	30	7	23.49	0
514071	Foundry Mold and Coremakers	82	7	22.24	0
514072	Molding, Coremaking, and Casting Machine Setters,	756	7	16.50	4
514081	Multiple Machine Tool Setters, Operators, and Tenders,	1386	7	18.05	4
514111	Tool and Die Makers	517	17	25.24	3
514121	Welders, Cutters, Solderers, and Brazers	1490	7	19.67	4
514122	Welding, Soldering, and Brazing Machine Setters, Operators,	142	7	16.36	0
514191	Heat Treating Equipment Setters, Operators, and Tenders,	88	7	17.16	0
514192	Layout Workers, Metal and Plastic	3	7	0.00	0
514193	Plating Machine Setters, Operators, and Tenders, Metal and	227	7	15.77	0
514194	Tool Grinders, Filers, and Sharpeners	63	7	23.26	0
514199	Metal Workers and Plastic Workers, All Other	63	7	15.66	0
515111	Prepress Technicians and Workers	142	14	18.49	0
515112	Printing Press Operators	990	7	17.64	4
515113	Print Binding and Finishing Workers	360	7	16.22	0
516011	Laundry and Dry-Cleaning Workers	1059	2	11.78	0
516021	Pressers, Textile, Garment, and Related Materials	60	2	11.38	0
516031	Sewing Machine Operators	440	2	13.36	0
516041	Shoe and Leather Workers and Repairers	61	7	13.76	0
516042	Shoe Machine Operators and Tenders	1	7	0.00	0
516051	Sewers, Hand	#N/A	#N/A	#N/A	0
516052	Tailors, Dressmakers, and Custom Sewers	76	3	15.81	0
516061	Textile Bleaching and Dyeing Machine Operators and	21	6	14.84	0
516062	Textile Cutting Machine Setters, Operators, and Tenders	46	7	14.36	0
516063	Textile Knitting and Weaving Machine Setters, Operators,	#N/A	#N/A	#N/A	0
516064	Textile Winding, Twisting, and Drawing Out Machine	#N/A	#N/A	#N/A	0
516091	Extruding and Forming Machine Setters, Operators, and	190	7	16.77	0
516092	Fabric and Apparel Patternmakers	#N/A	#N/A	#N/A	0
516093	Upholsterers	90	7	16.15	0
516099	Textile, Apparel, and Furnishings Workers, All Other	33	6	13.06	0
517011	Cabinetmakers and Bench Carpenters	395	7	19.41	0
517021	Furniture Finishers	82	6	16.87	0
517031	Model Makers, Wood	#N/A	#N/A	#N/A	0
517032	Patternmakers, Wood	#N/A	#N/A	#N/A	0
517041	Sawing Machine Setters, Operators, and Tenders, Wood	127	7	14.12	0
517042	Woodworking Machine Setters, Operators, and Tenders,	137	7	17.35	0
517099	Woodworkers, All Other	4	7	0.00	0
518011	Nuclear Power Reactor Operators	16	8	45.03	0
518012	Power Distributors and Dispatchers	48	8	40.93	0
518013	Power Plant Operators	101	8	39.30	0
518021	Stationary Engineers and Boiler Operators	230	8	43.59	1
518031	Water and Wastewater Treatment Plant and System	356	8	27.78	1
518091	Chemical Plant and System Operators	80	7	31.43	0
518092	Gas Plant Operators	53	8	29.54	0
518093	Petroleum Pump System Operators, Refinery Operators, and	104	7	42.44	0

State of Illinois
Occupational Employment Projections (Long-term) 2020-2030

Standard Occupational Classification (SOC)		Base Year Employment	Projected Year Employment	Employment Change 2020-2030		Average Annual Job Openings due to				Annual Compound Growth
				Number	Percent	Exits	Transfer	Growth	Total	
Code	Title	2020	2030							
51-4121	Welders, Cutters, Solderers & Brazers	262	284	22	8.40	7	22	2	31	0.81