

# SKILLED TRADES INDUSTRIAL OCCUPATIONS TECHNOLOGY: CS

Certificate of Specialization | 12 credit hours minimum

**Area of Interest: Advanced Manufacturing, Industrial Occupations, and Transportation**

**Program Website** (<https://stlcc.edu/programs-academics/pathways/a-m-i-o-t/skilled-trades-industrial-occupations-technology/>)

**Academic Advising** (<https://stlcc.edu/admissions/advising/>)

## Program Description:

This program provides industrial technical education and training associated with a variety of skilled trades.

Dependent on the skilled trade classification, an additional 9-12 credit hours of technical courses are required for the particular Certificate of Specialization. The courses must be selected in consultation with the program advisor.

Skilled trades classifications and emphasis areas may include:

- Electronics
- PLC/Robotics
- Sheet Metal Worker Manufacturing
- Assembly Worker

**Location.** This program is offered in its entirety at Florissant Valley.

**Related Programs.** The Engineering Technology and Manufacturing Department offers an associate in the following area:

**Skilled Trades Industrial Occupations Technology, Associate in Applied Science** (<http://catalog.stlcc.edu/programs/skilled-trades-industrial-occupations-technology-aas/>)

**Financial Aid.** This Certificate of Specialization is not eligible for financial aid.

**Cost of Attendance.** For more information on cost of attendance visit **MoSCORES** (<https://scorecard.mo.gov/Search/>).

**Program Career and Salary Information.** Pursuant to Missouri HB 1606 (2018), information regarding the number of credit hours, program length, employment rate, wage data, and graduates employed in careers related to their program of study at St. Louis Community College can be found at the following URL: <https://scorecard.mo.gov/scorecard/> ([https://www.google.com/url?q=https://scorecard.mo.gov/scorecard/&sa=D&ust=1555536894857000&usg=AFQjCNG1xf3E\\_j2lO96zEytILO-s5xaJCQ](https://www.google.com/url?q=https://scorecard.mo.gov/scorecard/&sa=D&ust=1555536894857000&usg=AFQjCNG1xf3E_j2lO96zEytILO-s5xaJCQ)). Search using School / Program “St. Louis Community College” and choose the degree or credential type of interest.

The following limitations to the data apply: Information provided is based on the most recent cohorts available. Typically, most recent cohorts for wage and completion data are six years prior to the current academic year. Time to complete a program of study varies depending on the number of credit hours students earn per semester.

**Interested in this program?** Start the enrollment process by visiting the **Apply to STLCC** (<https://www.stlcc.edu/admissions/apply-to-stlcc/>) page.

## At the completion of the program, students are expected to:

1. differentiate fact from opinion in regard to industrial technical subjects for occupational training or retraining.
2. complete occupational tasks at an entry-level proficiency for industrial training or retraining.

Code	Title	Credit Hours
<b>Program Requirements</b>		
MTH 108	Elementary Applied Mathematics (or higher)	3
Select one of the following tracks:		9-12
Electronics		
PLC/Robotics		
Sheet Metal Worker		
Manufacturing Assembly Worker		
<b>Total Credit Hours</b>		<b>12-15</b>

## Full-Time Academic Plan

**PLEASE NOTE:** If you originally enrolled at STLCC prior to Fall 2025, you may need to view an **archived catalog** (<http://catalog.stlcc.edu/archived-catalogs/>) for your correct program requirements. Please speak with an advisor or the program coordinator for more information.

Code	Title	Hours	Prerequisites	Milestones/Notes
<b>First Year</b>				
<b>Fall</b>				
MTH 108	Elementary Applied Mathematics (or higher)	3	Reading Proficiency	Apply for graduation.

XXX xxx	Focus Area Electives	9-12	Select from one of the following focus areas: Electronics, PLC/Robotics, Sheet Metal Worker, or Manufacturing Assembly Worker.
	<b>Credit Hours</b>	<b>12-15</b>	
	<b>Total Credit Hours</b>	<b>12-15</b>	

\*Click on the hyperlinked course number to view additional information about the course.

\*\*Students completing a course that has been assigned a MOTR number may transfer that course to any public institution in Missouri. Those who complete CORE 42 requirements will have that verification on their transcript.

\*\*\* It is your responsibility to verify that the courses listed above will transfer to the four-year institution of your choice. Maximize your transfer credits/classes by meeting with an academic advisor.