

# Truck Technician DIPLOMA

## Program Overview

Truck Technicians diagnose trouble accurately with the use of modern testing equipment. They repair and service the entire truck and trailer including gas and diesel engines. They also work on air brakes, multi-speed transmissions, differentials, electrical systems, chassis and engine electronics, cooling systems, air conditioning and refrigeration, and many more components of today's modern truck.

## Career Opportunities

Maintenance departments, which have the responsibility for the repair and the maintenance of the entire truck, need skilled graduates to fill truck technician positions. Many technicians find employment with companies that own a fleet of vehicles such as truck lines, bus lines, and construction companies. Other technicians work for small repair shops, truck dealerships, heavy equipment dealers and the government. Employment of truck technicians is expected to increase faster than average according to the U.S. Department of Labor.

## Program Outcomes

1. Graduates will diagnose problems that occur in all major truck systems.
2. Graduates will service and repair medium/heavy duty trucks and trailers.
3. Graduates will communicate effectively with customers, supervisors, colleagues, and industry professionals.
4. Graduates will inspect commercial vehicles based upon MN DOT Standards.

## Additional Requirements/Recommendations

The student should be capable of passing a rigorous physical examination with emphasis on eyesight, color vision, hearing, back condition and motor coordination.

Applicants should be high school graduates or equivalent with good reading ability and an understanding of basic mathematics in order to understand and apply technical information.

Drug test, background check, driving record, and a commercial drivers license may also be required by many employers.

## Program Faculty

Joel Pearson  
joel.pearson@saintpaul.edu  
651.846-1795

## Textbook and supply costs

The following are estimated costs:

- Textbooks: \$450
- Tools: \$1,000–\$2,000 depending on brand of tools purchased.

## Program Requirements

Check off when completed

Course	Cr
<input type="checkbox"/> TRKM 1400 Introduction and Safety	1
<input type="checkbox"/> TRKM 1445 Truck Welding 1	2
<input type="checkbox"/> TRKM 1455 Truck Welding 2	2
<input type="checkbox"/> TRKM 1521 Electrical 1	5
<input type="checkbox"/> TRKM 1522 Electrical 2	5
<input type="checkbox"/> TRKM 1551 Clutch and Transmission	5
<input type="checkbox"/> TRKM 1552 Driveshafts and Differentials	4
<input type="checkbox"/> TRKM 1553 Automatic and Automated Transmissions	4
<input type="checkbox"/> TRKM 1560 Truck Brake Systems	6
<input type="checkbox"/> TRKM 2401 Steering and Suspension Systems	6
<input type="checkbox"/> TRKM 2425 Truck Cab Climate Control Systems	3
<input type="checkbox"/> TRKM 2440 Gasoline Engines	6
<input type="checkbox"/> TRKM 2511 Diesel Engines 1	6
<input type="checkbox"/> TRKM 2512 Diesel Engines 2	6
<input type="checkbox"/> TRKM 2540 Preventive Maintenance	3
<b>Subtotal</b>	<b>64</b>

## General Education/MnTC Requirements

Refer to the Minnesota Transfer Curriculum Course List for each Goal Area

Any college level general education course . . . . . 3

**General Education Requirements . . . . . 3**

**Total Program Credits . . . . . 67**

## Program Start Dates

Fall

### Full-time enrollment is required

This is a two-year, full-time day program.

- Introduction and Safety must be taken concurrently with the other truck technician classes at the start of the program.
- It is recommended that the general education requirements be taken in the summer term before the first year or between the first and second years.

## Transfer Opportunities

Saint Paul College has a transfer articulation agreement between the following program and post-secondary institution for the baccalaureate degree program listed below.

For more information please go to [saintpaul.edu/Transfer](http://saintpaul.edu/Transfer).

### Truck Technician Diploma

BS Operations Management  
Minnesota State University, Moorhead

## Course Sequence

The course sequence listed on the back of this guide is recommended for a full-time student; however, this sequence is not required. Contact Program Faculty with questions.

*See back of this guide for Course Sequence*

### Minimum Program Entry Requirements

Students entering this program must meet the following minimum program entry requirements:

**Reading:** Score of 240+ or grade of "C" or better in READ 0721

**Writing:** Score of 225+

**Arithmetic:** Score of 237+

**Spatial assessment required:** Score 10+

### Assessment Results and Prerequisites:

Students admitted into Saint Paul College programs may need to complete additional courses based on assessment results and course prerequisite requirements. Certain MATH, READ, and ENGL courses have additional prerequisites.

100D

*Information is subject to change.  
This Program Requirements Guide is not a contract.*

# Truck Technician DIPLOMA *(continued)*

## Course Sequence

This diploma program generally includes four semesters of full-time study. The course sequence will depend upon when a student starts the Truck Technician program. Each of the four required semester blocks is offered once every other year. Students beginning Fall Semester will follow the following sequence outlined.

### First Semester

TRKM 1400 Introduction and Safety . . . . .	1
TRKM 1445 Truck Welding 1 . . . . .	2
TRKM 1521 Electrical 1 . . . . .	5
TRKM 1522 Electrical 2 . . . . .	5
TRKM 1552 Driveshafts and Differentials . . . . .	4
<b>Total Semester Credits . . . . .</b>	<b>17</b>

### Second Semester

TRKM 1455 Truck Welding 2 . . . . .	2
TRKM 1551 Clutch and Transmission . . . . .	5
TRKM 1553 Automatic and Automated Transmissions . . . . .	4
TRKM 1560 Truck Brake Systems . . . . .	6
<b>Total Semester Credits . . . . .</b>	<b>17</b>

### Third Semester

TRKM 2401 Steering and Suspension Systems . . . . .	6
TRKM 2425 Truck Cab Climate Control Systems . . . . .	3
TRKM 2440 Gasoline Engines . . . . .	6
<b>Total Semester Credits . . . . .</b>	<b>15</b>

### Fourth Semester

TRKM 2511 Diesel Engines 1 . . . . .	6
TRKM 2512 Diesel Engines 2 . . . . .	6
TRKM 2540 Preventive Maintenance . . . . .	3
<b>Total Semester Credits . . . . .</b>	<b>15</b>

**General Education Requirement (any)** . . . . . 3  
 May be taken any semester, but Summer Term is recommended.

**Total Program Credits . . . . .** 67