

St Cloud Technical and Community College
Medium/Heavy Truck Schedule
1st Year Student's Fall Semester 2023 Schedule

Course ID	Course Name	Section	Cr	Semester	Class Times
000175	Transportation Haz. Mat. (Trans)	TRAN1518.3	1	Full Semester	Thursdays 11-12
000344	Stretch Analytical Writing (Eng)	ENG1308.2	3	Full Semester	M&W 11-11:50
000167	General Service (Trans)	TRAN1503.3	3	1 st 4 weeks of fall	M-Th 7-12:50
000168	General Service (Trans)	TRAN1503.4	3	1 st 4 weeks of fall	M-Th 12-4:50
000180	Truck & Trailer Prev. Maint.	MHTT1526.1	3	2 nd 4 weeks of fall	M-Th 7-12:50
000181	Truck & Trailer Prev. Maint.	MHTT1526.2	3	2 nd 4 weeks of fall	M-Th 12-4:50
000731	Truck Brake Systems	MHTT1514.1	4	Last 8 weeks of fall	M-T 7-1, W 7-11
000732	Truck Brake Systems	MHTT1514.2	4	Last 8 weeks of fall	M-T 12-5, W 12-4
000730	Workplace Perceptions (Trans)	TRAN1520.2	2	Last 8 weeks of fall	Thursdays 7-11
000733	Supervised Internship	MHTT2538.1	2	Last 8 weeks of fall	Needs 96hrs total*

KEY Red is 1st Section, Blue is 2nd Section, Purple means both sections are in lecture. Most core classes are taught on a 4 or 8 week schedule but keep in mind classes such as ENG 1308 & TRAN 1518 are taught full semester. Supervised Internship is offered the last 8 weeks of fall.*

Medium/Heavy Truck Technician 1st Year 2023 Fall Sem. 1st 4 Week Schedule (Aug. 21st- Sept. 14th)

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
7 a.m.	General	General	General	General	
8 a.m.	Service	Service	Service	Service	
9 a.m.	Sec. #1	Sec. #1	Sec. #1	Sec. #1	
10 a.m.	Lab	Lab	Lab	Lab	
11 a.m.	English 1308		English 1308	Haz Mat	
12 p.m.	Gen. Service Lec	Gen. Service Lec	Gen. Service Lec	Gen. Service Lec	
1 p.m.	General	General	General	General	
2 p.m.	Service	Service	Service	Service	
3 p.m.	Sec. #2	Sec. #2	Sec. #2	Sec. #2	
4 p.m.	Lab	Lab	Lab	Lab	

Medium/Heavy Truck Technician 1st Year 2023 Fall Sem. 2nd 4 Week Schedule (Sept. 18th – Oct. 18th)

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
7 a.m.	Truck	Truck	Truck	Truck	
8 a.m.	Maintenance	Maintenance	Maintenance	Maintenance	
9 a.m.	Sec. #1	Sec. #1	Sec. #1	Sec. #1	
10 a.m.	Lab	Lab	Lab	Lab	
11 a.m.	English 1308		English 1308	Haz Mat	
12 p.m.	Truck Maint. Lec	Truck Maint. Lec	Truck Maint. Lec	Truck Maint. Lec	
1 p.m.	Truck	Truck	Truck	Truck	
2 p.m.	Maintenance	Maintenance	Maintenance	Maintenance	
3 p.m.	Sec. #2	Sec. #2	Sec. #2	Sec. #2	
4 p.m.	Lab	Lab	Lab	Lab	

Medium/Heavy Truck Technician 1st Year 2023 Fall Sem. last 8 Weeks Schedule (Oct. 23rd-Dec 21st)

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
7 a.m.	Brakes	Brakes	Brakes	Work	Internship
8 a.m.	Lab	Lab	Lab	Place	Out of Shop
9 a.m.	Section	Section	Section	Perceptions &	Internship
10 a.m.	#1	#1	#1	Expectations	Out of Shop
11 a.m.	English 1308		English 1308	Haz Mat	
12 p.m.	Brakes Lecture	Brakes Lecture	Brakes	Internship	Internship
1 p.m.	Brakes	Brakes	Lab	Out of Shop	Out of Shop
2 p.m.	Lab	Lab	Section	Internship	Internship
3 p.m.	Section	Section	#2	Out of Shop	Out of Shop
4 p.m.	#2	#2			

*Supervised Internship is offered the last 8 weeks of fall. Students will need to complete 96 hours of supervised internship with a repair shop in the MHTT industry. The 96 hours may depend on the instructor, students, or shop schedule. The 12 hours a week is an example but the schedule may vary.

PROGRAM PLANNER REVISIONS (EXISTING PROGRAMS)

Attach: Advisory Minutes, AA Advisory Council, Program Planners (Proposed and Current), etc.

Submission Date:

Program Planner



Name: Medium/Heavy Truck Technician Program			Academic Year: 2023-2024		
Major: A.A.S Degree			Credits:72 Credits		
Course#	Course Title	Prerequisites	Credits	Semester: Fall (F) Spring (S) Summer (SS)	Grade
Suggested Technical Studies Semester I					
TRAN 1503	General Service		3	1 st 4 weeks of Fall	
MHTT 1526	Truck & Trailer Preventive Maintenance	TRAN 1503	3	2 nd 4 weeks of Fall	
TRAN 1518	Transportation of Hazardous Materials		1	All Fall Semester	
TRAN 1520	Workplace Perceptions and Expectations		2	2 nd 8 weeks of Fall	
MHTT 1514	Truck Brake Systems	MHTT 1526	4	2 nd 8 weeks of Fall	
MHTT 2538	Supervised Internship	MHTT 1526, TRAN 1503	2	2 nd 8 weeks of Fall	
ENGL 1308	Stretch Analytical Writing		3	2 nd 8 weeks of Fall	
Semester Total			18		
Suggested Technical Studies Semester II					
MHTT 1518	Truck Steering & Suspension	MHTT 1526	3	1 st 8 weeks Spring	
TRAN 1504	Electricity & Electronic Principles		3	1 st 8 weeks Spring	
MHTT 1529	Welding(or alternative Fuels)	TRAN 1503	2*	1 st 8 weeks Spring	
MHTT 1510	Truck Power Train	MHTT 1526	4	2 nd 8 weeks Spring	
MHTT 1523	Truck Electrical Systems	TRAN 1504, MHTT1526	3	2 nd 8 weeks Spring	
	Needed Goal Area 1-10		3	Spring	
Semester Total			16/18*	Spring	
Suggested Technical Studies Semester III					
MHTT 2531	Truck Heating & A/C Systems	MHTT 1523	3	1 st 4 weeks of Fall	
MHTT 1508	Truck Computer Systems	TRAN 1504 & MHTT 1523	2	1 st 4 weeks of Fall	
MHTT 2503	Heavy Duty Diesel Repair Procedures	TRAN1503, MHTT 1510, MHTT 1526	5	2 nd 4 weeks of Fall	
MHTT 2520	Automatic & Automated Transmissions	TRAN 1503, MHTT 1510	4	2 nd 8 weeks of Fall	
MHTT 1507	Mobile Hydraulics		3	2 nd 8 weeks of Fall	
	Needed Goal Area 1-10		3		
Semester Total			20		

Suggested Technical Studies Semester IV					
MHTT 2506	Fuel System Management & Emission Controls	MHTT 1508, MHTT 2503 Co- Req MHTT 2522,	4	1 st 8 weeks Spring	
MHTT 2522	Advanced Chassis Electrical Diagnostics	MHTT 1508, & MHTT 1523 Co-Req MHTT 2506	3	1 st 8 weeks Spring	
MHTT 2513	Gas Engines and Alternative Fuels (or Welding)	TRAN 1504	2*	2 nd 8 weeks Spring	
MHTT 2545	Truck Troubleshooting & Repair	TRAN 1503, MHTT 2503, MHTT 1508	3	2 nd 8 weeks Spring	
	Needed Goal area 1-10		3		
	Needed Goal area 1-10		3		
Total Credits		Semester Total	16/18*		
			72		

Credit Totals	
List total credits in program	
	Number
Program Requirements	55 Credits
Program Electives	2 Credits
MNTC Requirements	15 Credits
Health/Fitness Requirement	
General Electives	

PROGRAM PLANNER REVISIONS (EXISTING PROGRAMS)

Attach: Advisory Minutes, AA Advisory Council, Program Planners (Proposed and Current), etc.

Submission Date:

Program Planner



Name: Medium / Heavy Truck Technician Program			Academic Year: 2023-2024		
Major: Diploma			Credits:63 Credits		
Course#	Course Title	Prerequisites	Credits	Semester: Fall (F) Spring (S) Summer (SS)	Grade
Suggested Technical Studies Semester I					
TRAN 1503	General Service	Co Req - MHTT 1526	3	1 st 4 weeks of Fall	
MHTT 1526	Truck & Trailer Preventive Maintenance	TRAN 1503	3	2 nd 4 weeks of Fall	
TRAN 1518	Transportation of Hazardous Materials		1	All Fall Semester	
TRAN 1520	Workplace Perceptions and Expectations		2	2 nd 8 weeks of Fall	
MHTT 1514	Truck Brake Systems	MHTT 1526	4	2 nd 8 weeks of Fall	
MHTT 2538	Supervised Internship		2	2 nd 8 weeks of Fall	
ENGL 1308	Stretch Analytical Writing		3	2 nd 8 weeks of Fall	
Semester Total			18		
Suggested Technical Studies Semester II					
MHTT 1518	Truck Steering & Suspension	MHTT 1526	3	1 st 8 weeks Spring	
TRAN 1504	Electricity & Electronic Principles		3	1 st 8 weeks Spring	
MHTT 1529	Welding(or alternative Fuels)	TRAN 1503	2*	1 st 8 weeks Spring	
MHTT 1510	Truck Power Train	MHTT 1526	4	2 nd 8 weeks Spring	
MHTT 1523	Truck Electrical Systems	TRAN 1504	3	2 nd 8 weeks Spring	
Semester Total			13/15*	Spring	
Suggested Technical Studies Semester III					
MHTT 2530	Truck Heating & A/C Systems	MHTT 1523	3	1 st 4 weeks of Fall	
MHTT 1508	Truck Computer Systems	TRAN 1504 & MHTT 1523	2	1 st 4 weeks of Fall	
MHTT 2503	Heavy Duty Diesel Repair Procedures	TRAN1503, MHTT 1510	5	2 nd 4 weeks of Fall	
MHTT 2520	Automatic & Automated Transmissions	TRAN 1503, MHTT 1510	4	2 nd 8 weeks of Fall	
MHTT 1507	Mobile Hydraulics		3	2 nd 8 weeks of Fall	
Semester Total			17		

Suggested Technical Studies Semester IV					
MHTT 2506	Fuel System Management & Emission Controls	MHTT 1508, MHTT 2503 Co- Req MHTT 2522,	4	1 st 8 weeks Spring	
MHTT 2522	Advanced Chassis Electrical Diagnostics	MHTT 1508, & MHTT 1523 Co-Req MHTT 2506	3	1 st 8 weeks Spring	
MHTT 2513	Gas Engines and Alternative Fuels (or Welding)	MHTT 1508	2*	2 nd 8 weeks Spring	
MHTT 2545	Truck Troubleshooting & Repair	MHTT 2506, MHTT 2522	3	2 nd 8 weeks Spring	
	Gen Ed Elective		3		
		Semester Total	13/15*		
Total Credits			63		

Credit Totals	
List total credits in program	
	Number
Program Requirements	55 Credits
Program Electives	2 Credits
MNTC Requirements	
Health/Fitness Requirement	
General Electives	6 Credits

Revised 2/15/2022

Medium/Heavy Truck Students!

Please Join Us for an Industry Tour Prior to your Program / Tool Day Session!

Congratulations on your acceptance into the Medium/Heavy Truck Technician program! Our program is full and there is a waiting list of students who want enroll this fall. This means we need to ensure students are committed to registering at St. Cloud Technical and Community College. So, be sure to attend this great event to secure your spot. RSVP by emailing mhoepner@sctcc.edu by Friday, **May 19th** confirming that you will be attending the June 8th Program Day. Parents are invited - please let us know how many family members will be able to join us for the activities and lunch.

Industry demand for our graduates is so high that our industry partners want to ensure that all new students learn more about the Diesel Industry and potential jobs. It is vital for you to be sure this career path fits your interests and goals. We have arranged for a tour of three industry partner facilities to give our students a look at the Medium/Heavy Truck Industry. This will be followed by a lunch, program orientation, & tool day in the MHTT shop.

Date: Thursday, **June 8th, 2023**
Start Time: **8 am**

Arrive at Door 15 before 8 A.M (the 2 big glass doors in the MHTT shop will be open), the bus will load and then leave promptly at 8:00 am. We will tour three facilities and provide lunch. We will return for a program orientation before your assigned tool day. All will have the opportunity to meet with tool vendors in the Medium/Heavy Truck Shop. Please plan to spend the whole day at SCTCC.

You are welcome to bring parents or family support. If you have any questions, please contact Matt Hoepner at mhoepner@sctcc.edu

Thanks and we look forward to meeting with you on June 8th.

**NOTE: ALL HAND TOOLS MUST BE PREMIUM BRAND USA MADE WHEN AVAILABLE.
 SUB BRAND (PRECISION TORQUE, SILVER EAGLE, EXPERT, BLUE-POINT, ADV SOCKETS) MAY ONLY BE
 USED WHEN PREMIUM BRAND IS NOT AVAILABLE. SUBSTITUTIONS WILL NOT BE TOLERATED
 THIS LIST W/VENDOR PART # MUST BE INCLUDED IN STUDENT PRICE LIST ON TOOL DAY
 ANY ITEMS NOT INCLUDED IN SET MUST BE HIGHLIGHTED, OR VENDOR WILL SUPPLY AT NO CHARGE!
 VENDORS THAT FAIL TO COMPLY WILL NOT BE INVITED BACK.**

1/4" DRIVE	VENDOR PART NUMBER
RATCHET	
NUT DRIVER FOR 1/4" SOCKETS	
STANDARD SHALLOW 6-POINT SOCKETS 3/16 - 9/16	
STANDARD DEEP 6-POINT SOCKETS 3/16 - 9/16	
METRIC SHALLOW 6-POINT SOCKETS 5-15MM	
METRIC DEEEP 6-POINT SOCKETS 5-15MM	
EXTENSION 2"	
EXTENSION 6"	
UNIVERSAL JOINT	

3/8" DRIVE TOOLS	VENDOR PART NUMBER
STANDARD SHALLOW 12-POINT IMPACT SOCKETS 3/8-3/4"	
METRIC SHALLOW 12-POINT IMPACT SOCKETS 10-18MM	
IMPACT DRIVER SET 8-PIECE	

1/2" DRIVE TOOLS	VENDOR PART NUMBER
METRIC SHALLOW 6-POINT IMPACT SOCKETS 10-24MM	
STANDARD SHALLOW 6-POINT IMPACT SOCKETS 3/8 - 1-1/4"	

WRENCHES	VENDOR PART NUMBER
METRIC WRENCH SET 20 - 24MM	
STANDARD 4-WAY ANGLE HEAD SET 3/8 - 3/4	
18" PIPE WRENCH	

SCREWDRIVERS	VENDOR PART NUMBER
RATCHETING SCREWDRIVER	
BIT SET FOR RATCHETING SCREWDRIVER	

MISCELLANEOUS TOOLS	VENDOR PART NUMBER
SEAL PULLER	
DIE GRINDER STRAIGHT	
FLASHLIGHT STINGER LED HL W/PIGGYBACK 75484 ONLY!!	
TOOL ENGRAVER	
THREAD RESTORER FILE SET 3-PIECE	