

DIESEL TECHNOLOGY

KOMATSU®

Advanced Career Training Program
Dealer and Student Information



NDSCS.edu/Komatsu

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Diesel Technology – Komatsu is a two-year program leading to an Associate of Applied Science Degree. It is sponsored by Komatsu participating dealers and is operated by North Dakota State College of Science in Wahpeton, North Dakota.

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Komatsu America Corp. is a U.S. subsidiary of Komatsu Ltd., the world's second largest manufacturer and supplier of earth-moving equipment, consisting of construction, mining and compact construction equipment. Through its distributor network, Komatsu offers state-of-the-art parts and service programs to support its equipment. Komatsu has proudly been providing high-quality reliable products for nearly a century. Visit our website at www.komatsuamerica.com for more information.

The material in this packet is intended solely for information purposes. The North Dakota State College of Science reserves the right to make changes in curricula, rules and fees whenever such changes are deemed necessary. The announcements in this material are subject to change without notice and may not be regarded as binding obligations on the institution or the state of North Dakota.

PARTICIPANT RESPONSIBILITIES

The Diesel Technology – Komatsu Program is a partnership between the North Dakota State College of Science, participating Komatsu dealerships and participating students. Each has the following responsibilities in this partnership:

NORTH DAKOTA STATE COLLEGE OF SCIENCE

- Maintain a current curriculum approved by participating dealers.
- Provide classroom and laboratory facilities.
- Provide teacher-coordinator and instructors; the teacher-coordinator acts as a liaison between NDSCS and Komatsu dealer representatives.
- Provide equipment and tools.
- Promote, advertise and recruit qualified students.
- Test, interview and screen students.
- Assist dealers with student selection.
- Maintain all student records.
- Provide academic, financial aid and counseling services and advisement.
- Visit students during supervised occupational work experiences to assure attainment of work experience competencies.
- Furnish program information to dealers, students and the general public when requested.
- Provide field trip to Komatsu Carterville Training Center.
- Provide an Associate of Applied Science Degree in Diesel Technology Komatsu.

KOMATSU DEALERSHIP

- Interview and select a student to sponsor.
- Appoint an in-dealership coordinator or supervisor to work with NDSCS's teacher-coordinator in planning and monitoring the supervised occupational work experiences.
- Pay trainee's wages, commensurate with experience, during periods of supervised occupational work experiences.
- Provide the sponsored student with uniforms in a manner consistent with other dealership employees. Students will wear uniforms (shirt and pants) at both school and work.
- Provide work experience that will increase the students' skill level.

STUDENT

- Demonstrate high school graduate or equivalent.
- Apply for admission to NDSCS.
- Obtain and maintain a Komatsu dealership sponsor.
- Maintain NDSCS academic standards and adhere to academic policies.
- Wear Komatsu dealer uniforms and safety glasses while on campus and during supervised occupational work experiences at the sponsoring dealership.
- Participate in all learning activities and experiences at the scheduled times.
- Provide the sponsoring dealership with responsible and productive employment.
- Pay for program costs – tuition, fees, books and tools.
- Complete Associated Equipment Distributor testing at start and completion of program.

KOMATSU AMERICA CORP.

- Encourage distributor cooperation and support.
- Assist in locating and selecting Komatsu faculty.
- Provide Komatsu training for faculty.
- Furnish NDSCS with Komatsu equipment and components.
- Provide NDSCS with essential training materials, including audio visuals, student booklets, instructor guides, shop manuals, necessary mock-ups, simulators, software, etc.
- Monitor curriculum to assure success.
- Upon completion, provide \$1,500 academic scholarship to distributor-selected students.
- Provide \$600 tool reimbursement to NDSCS for each distributor-sponsored student.

INTRODUCTION

The Diesel Technology – Komatsu program is an Associate of Applied Science degree (A.A.S.) that is designed to develop technically competent, professional service technicians.

Students receive state-of-the-art technical training on Komatsu construction equipment and related products through a combination of classroom instruction, hands-on laboratory instruction, and cooperative educational work experience at a participating Komatsu dealership.

The Komatsu program takes five semesters or approximately 20 months to complete. The five semesters are divided into 9 terms, each approximately eight weeks in length. Students complete the 1st, 2nd, 3rd, 5th, 7th and 9th terms on campus. They complete the 4th, 6th and 8th terms at a sponsoring Komatsu dealership.

Classroom and laboratory instruction at NDSCS covers the basics of each subject plus the latest developments in Komatsu equipment. Work experience at the dealership is structured to relate to the most recent classroom subjects covered at NDSCS and includes projects to improve the student's skill level.

Students are required to obtain a sponsor from an authorized Komatsu dealership. Students can request assistance in locating a sponsoring dealer, and dealers can request assistance in locating a student to sponsor.

Dealers are responsible for providing students with employment and challenging repair projects during the work experience periods. Students are responsible for tuition, fees, textbook and tool costs.

DIESEL TECHNOLOGY – KOMATSU PROGRAM

(24 months – A.A.S. Degree)

CURRICULA (FIRST YEAR)

FALL SEMESTER		Credits
1st Term 1st 8-weeks mid-August thru mid-October		
KMTS 106	Intro to Komatsu Service	3
DTEC 164	Introduction to Mobile Hydraulics	4
DTEC 101	Science of Success: Intro to Diesel	1
2nd Term 2nd 8-weeks mid-October thru mid-December		
DTEC 115	Introduction to Light and Medium Duty Engines	4
CIS 101	Computer Literacy	2
ENGL 105	Technical Communications	3
HPER 210	First Aid and CPR	2
MATH 120	Basic Mathematics I	2
SPRING SEMESTER		Credits
3rd Term 3rd 8-weeks mid-January thru mid-March		
DTEC 109	Air Conditioning	2
DTEC 125	Introduction to Heavy Duty Drive Systems	3
DTEC 155	Electricity for Diesel Technology	4
MATH 123	Basic Mathematics II	2
4th Term 4th 8-weeks mid-March thru mid-May		
KMTS 110	Komatsu Internship	4

Class schedule may change without notice.

Dates will coincide with academic calendar.

CURRICULA (SECOND YEAR)

SUMMER SEMESTER		Credits
5th Term June-July		
KMTS 116	Komatsu Machine Structure and Work Equipment	3
KMTS 255	Komatsu Electrical/Electronics	4
FALL SEMESTER		Credits
6th Term 1st 8-weeks mid-August thru mid-October		
KMTS 210	Komatsu Internship I	5
7th Term 2nd 8-weeks mid-October thru mid-December		
KMTS 215	Komatsu Engine and Fuel Systems	5
MATH 125	Basic Mathematics III	2
MFGT 110	Industrial Shop Practices	2
PSYC 100	Human Relations in Organizations	2
SPRING SEMESTER		Credits
8th Term 3rd 8-weeks mid-January thru mid-March		
KMTS 220	Komatsu Internship II	5
9th Term 4th 8-weeks mid-March thru Graduation		
KMTS 225	Komatsu Powertrains and Undercarriage	4
KMTS 265	Komatsu Advanced Hydraulic Systems	4
Total Credits		72

COURSE DESCRIPTIONS

DTEC 109 Air Conditioning for Diesel Technology (2 credits)

A lecture, discussion and lab-type course covering the design and principles of operations of various air conditioning systems, including agriculture, construction and trucking equipment. Work in lab consists of leak detecting, evacuation, reclaiming, charging, component comprehension, electrical systems and troubleshooting for various units.

DTEC 115 Introduction to Light and Medium Duty Engines (4)

A theory and lab course covering rebuilding of heavy duty gas and light- and medium-duty diesel engines. Students will troubleshoot, disassemble, rebuild and assemble an engine during this class. Learning modules include: measurement fundamentals, basic engine operating principals, cylinder and piston service, cylinder head rebuilding and valve reconditioning, crankshaft and bearing service, and lubrication and cooling systems. Engines designed for the use of alternative fuels such as LPG and CNG are also covered. This class is a prerequisite for DTEC 215, CIH 215 and JDAT 215.

DTEC 125 Introduction to Heavy Duty Drive Systems (3)

A lecture and lab type course which provides the student with theory and hands-on operation and repair of shop safety, operation, bearings-seals, heavy duty steer axles, drive axles, medium and heavy duty truck suspension, wheel end assemblies. This is a 3 credit, 8-week course and 80-hour class. (F, S)

DTEC 155 Electricity for Diesel Technology (4)

An introductory lab/theory class in electrical fundamentals. A practical approach to the study of electricity including Ohm's Law, power, series and parallel circuits, direct and alternating current, with strong emphasis on diagrams and troubleshooting. This class is designed for technicians in the Diesel Technology field. (F, S)

DTEC 164 Introduction to Mobile Hydraulics (4)

This course is a study of hydraulic system fundamentals and various components used in a typical mobile hydraulic system. Component disassembly and reassembly will take place to aid in the understanding of component and system operation. Various components will be tested on a test bench to help the student understand how the components contribute to the overall operation of the system and will be used to evaluate the students' performance. Experiments will be performed on lab equipment to aid in the understanding of mobile hydraulic principles.

KMTS 106 Introduction to Komatsu Service (3)

A theory and lab course introducing students to Komatsu and the operational policies followed by its distributors. This will include an introduction to the history of Komatsu, the Komatsu Global Portal, and their online LMS. Navigation of service and parts literature, work order writing, and utilization of photos to document warranty repairs on Komatsu equipment will be a major focus of this course. The students will plan a class trip to the Komatsu Training Center at Cartersville, GA to be scheduled sometime in their second year of study. (Su)

KMTS 110 Komatsu Internship I (4)

The student will receive on the job experience at a Komatsu dealership. This will consist of performing basic repair procedures in the service department. This internship will occur the last 8 weeks of the first year (2nd 8 weeks spring semester).

KMTS 116 Komatsu Machine Structure and Work Equipment (3)

A theory and lab course covering maintenance and repair of Komatsu equipment. Instruction and lab experience will include safe rigging and cribbing practices, servicing lubrication points, proper application and installation of aftermarket components, and general repair procedures of the work equipment and machine. (Su)

KMTS 210 Komatsu Internship II (5)

The student will receive on the job experience at a Komatsu dealership. This will consist of performing basic repair procedures in the service department. This internship will occur the first 8 weeks of the second year (1st 8-weeks fall semester).

KMTS 215 Komatsu Engine and Fuel Systems (5)

A theory and lab course covering the construction, operating principals, cylinder and piston service, valve service, crankshaft and bearing service, lubrication systems, rebuilding procedures, measurement fundamentals, performance and engine troubleshooting associated with Komatsu engines. Fuel system identification, theory of operation and troubleshooting of fuel systems will also be covered in this course. This is an 8 week course. Prerequisite: DTEC 115. (F)

KMTS 220 Komatsu Internship III (5)

The student will receive on the job experience at a Komatsu dealership. This will consist of performing basic repair procedures in the service department. This internship will occur the third 8 weeks of the second year (1st 8-weeks spring semester).

KMTS 225 Komatsu Powertrains and Undercarriage (4)

A lab/lecture course covering the powertrain systems used in Komatsu equipment. Mechanical shift and power shift transmissions will be covered in this course. Students will disassemble, reassemble, adjust and test these components found on Komatsu construction equipment. The course also introduces the student to undercarriage and drive systems used on different Komatsu Track Machines. Also covered are final drives and braking systems used in Komatsu track and wheel equipment. (Su)

KMTS 255 Komatsu Electrical/Electronics (4)

A lab/lecture course covering electrical and electronic systems for the engine, hydraulics, machine controls and Tier 4 emission systems as applied to Komatsu construction equipment. Techniques of circuit diagnostics will be demonstrated with electrical schematics. The function, operation and testing of Komatsu equipment will be covered with the Electronic Service tools. Microprocessor operation including inputs and outputs are explained and covered. Circuits including lighting, accessory, safety instrumentation and gauges are tested. This course will include all Komatsu construction equipment. (S)

KMTS 265 Komatsu Advanced Hydraulic Systems (4)

A lab/lecture course covering the diagnostics, service and repair of the hydraulic functions on Komatsu construction equipment. Open-center, closed center and load sensing systems are covered as well as steering, hydrostatic drives and hydraulic functions of Komatsu equipment. (S)

MFGT 110 Industrial Shop Practices (2)

An introduction to the procedures and practices used to develop fundamental industrial shop skills. Students enrolled in this class will learn and apply a variety of practical skills used to aid in any entry level industrial mechanical service occupation. The topics covered in this course are: general shop safety; MIG welding set-up and operation as well as welding simulation; Oxy-Fuel torch set-up and operation; basic measuring methods using tape measures, rulers, calipers, and micrometers; identification of SAE and ISO metric measuring systems; proper use and identification of basic shop tools; identification of twist drills and sharpening; identification and use of hand taps; fastener type and grade identification; Helicoil insert use; bolt extraction; properly demonstrate the use of mechanical type torque wrenches; properly demonstrate the use of electronic type torque wrenches; properly demonstrate the ability to torque according to industry standards.

DTEC 101 Science of Success: Intro to Diesel (1)

This is a practical one-credit course that provides the tools and skills necessary to get a strong start with the transition for new students at NDSCS. This course will introduce the students to campus resources, policies and procedures and cover topics such as time management, study skills, goal setting, wellness, financial literacy, and professional development. (F, S, O)



ENGL 105 Technical Communications (3)

This course concentrates on business correspondence, informal report writing, technical communication, job preparation, and oral presentation. Prerequisite: Placement test. (F, S, Su-O)

HPER 210 First Aid and CPR (Professional/Community) (2)

Provide students with the knowledge and skills necessary to respond to an emergency. Preparing students to identify, assess, manage and minimize consequences of injury (minor and major) and sudden illness in medical emergencies. Providing options for professional level of training, this course is outlined by the American Heart Association and will follow those guidelines. Certificate cards are given upon request and only after successfully completing the course. The student must score at or above the 84th percentile on all written exams for certifications. Training skills for the professional AHA BLS, AED, and first aid. AHA Heart Saver CPR training may be available upon request. (F, S, O)

MATH 120 Basic Mathematics I (2)

A review of whole numbers, fractions and decimal numbers in conjunction with the fundamental application of ratios, rates, unit rates, proportions, and percentages in solving everyday problems. Business and consumer mathematics such as simple interest, compound interest, and purchasing. (F, S)

MATH 123 Basic Mathematics II (2)

Introduction of statistical data reading and calculating. Problem solving involving length, width, and capacity in the U.S. and metric systems. Application problems involving perimeter, area, volume, and fundamental geometry. (F, S, Su)

MATH 125 Basic Mathematics III (2)

Basic concepts and features of beginning algebra with an emphasis on critical thinking and problem solving. Topics include properties of real and rational numbers, arithmetic operations of numbers and expressions, translating verbal expressions/equations to variable expressions/equations, and application of word problems. (F, S)

CIS 101 Computer Literacy (2)

This course is designed to provide non-Computer Science majors with an introductory-level course in computer usage that prepares them for contemporary work environments. It is a hands-on lab-based course intended to introduce the student to the Windows operating system, Word, Excel, and PowerPoint. Windows PC required. (Credit awarded for CIS 101 or CSCI 116, not both.) (F, S, Su, O) ND:COMPSC

PSYC 100 Human Relations in Organizations (2)

This course focuses on building successful and effective interpersonal relationships within organizational and other social environments. It includes an examination of human relations in business and industry with emphasis on how people can work effectively in groups to satisfy both organizational and personal goals. Motivation, emotional and mental health, communication techniques, and coping with stress are explored. Activities are used to encourage the application of concepts to enhance personal growth and insight and to increase social skills. (F, S, Su-as needed, O) ND:SS

STUDENT ADMISSION & SELECTION PROCEDURE

Students enroll in the Diesel Technology – Komatsu program at the beginning of fall semester. Students are accepted into the program upon completion of admission into NDSCS. Students should do the following:

Apply for admission to NDSCS through the Enrollment Services office. Enrollment Services will not accept faxed applications for any program.

- Submit high school transcripts or GED to Enrollment Services.
- Visit NDSCS and complete orientation (testing, academic advising and scheduling and registration).
- Secure approval from a participating dealer.

ADMISSIONS

Students should contact the NDSCS Enrollment Services office (701-671-2173) to receive information on the college, financial aid and housing. Students should complete the applications and return them to NDSCS promptly.

HIGH SCHOOL OR GED TRANSCRIPTS

Applicants must demonstrate completion of high school or GED equivalency. Students should contact their high school guidance office and request that their transcript be submitted to NDSCS Enrollment Services.

CONTACT INFORMATION

Dealers and students should direct all inquiries to the following contact persons.

Primary Contacts:

Evan Meier

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 Diesel Technology – Komatsu
 701-671-2543 or 800-342-4325 ext. 2543
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Jenny Schmitt

Program Assistant
 Diesel Technology
 701-671-2330
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ORIENTATION

All freshmen must complete an orientation. Orientation includes a tour of the NDSCS campus, financial aid counseling, scheduling (academic advising) and registration.

SPONSOR APPROVAL

Applicants must complete an interview with and secure approval of a sponsor. The applicant is responsible for obtaining a sponsor. Applicants should take the Dealer Approval Form to a potential sponsor. Complete the approval form and return it to Enrollment Services if it is determined that the dealer will grant sponsorship. If the dealer decides not to grant sponsorship, then the student should contact the NDSCS coordinator for assistance in securing a sponsor.

SCHOLARSHIP AVAILABILITY

A general scholarship application must be completed to be eligible for scholarships.

ELIGIBLE DEALER LOCATIONS

Komatsu equipment dealers located in North America are eligible to sponsor students at NDSCS.

Students should contact a local Komatsu dealer to see if the dealer is interested in sponsoring a student. They can contact the NDSCS coordinator for a list of approved Komatsu dealers.

FINDING A SPONSOR

Note: You may speak to any participating dealership at any time about the Diesel Technology – Komatsu program. You are accepted into the program only after official acceptance occurs, after all assessments, applications and dealer sponsorship forms have been approved by the North Dakota State College of Science.

KEY POINTS TO REMEMBER:

- Komatsu dealerships are independent businesses.
- They are not employees of Komatsu.
- When looking for a sponsor, you are looking for a CAREER – act and dress accordingly.
- North Dakota State College of Science and the Diesel Technology – Komatsu Coordinator will provide assistance and guidance and identify interested dealerships.
- We do not assign you a dealership.
- As a Diesel Technology – Komatsu student you will be an employee and a student, although the two should never conflict.
- Some dealerships may choose not to participate.
- The dealership may choose to formally interview you as a candidate for the Diesel Technology – Komatsu program.
- Be prepared:
 - Be neat and clean in appearance.
 - Be confident of your goals and skills.
 - Complete your part of the application as neatly as possible before the interview.
- Your first priority should be convincing the dealer that you will make a good employee.
- You may speak to the dealer (owner), general manager or service manager.
- If you are not sure whom to see, ask for the dealer first, then the service manager.



COLLEGE EXPENSES

Contact the Director of Enrollment Services for tuition costs. Out-of-state students in a partnership program will pay the in-state tuition rate. The exception is Minnesota students who pay the agreed-to reciprocity rate.

NOTE: All tuition, fees, room and board costs are tentative and are subject to change. Personal costs are rough estimates of personal spending. Contact the NDSCS Enrollment Services office for a current information sheet.

STUDENT TOOL LIST

Students are responsible for purchasing or providing their own tools. Below is a list of required tools for the program. These tools can be purchased from NDSCS at a substantial discount through the Bookstore. Find more information at **NDSCSbookstore.com**.

QTY	DESCRIPTION	CATALOG #	VENDOR
1	6 pc., 3/8" Dr., Comb. Square Adapter Set	1206GS	Snap-On
1	11 pc., 3/8" Dr., 12 pt. Sae Deep Socket Set	211SFY	Snap-On
1	12 pc., 3/8" Dr., 12 pt. Metric Shallow Socket Set	212FMY	Snap-On
1	12 pc., 3/8" Dr., 6 pt. Metric Deep Socket Set	212SFSMY	Snap-On
1	18 pc., 3/8" Dr., 12 pt. SAE Shallow General Service Socket Set	218AFP	Snap-On
1	13 pc., 1/2" Dr., 12 pt. Metric Shallow Socket Set	313SWMYA	Snap-On
1	17 pc., 1/2" Dr., PT SAE General Service Socket Set	317MSPC	Snap-On
1	Strap Oil Filter Wrench	A91F	Snap-On
1	Stainless Steel Wire Brush	AC59C	Snap-On
1	Female Quick Coupler	AHC24D	Snap-On
4	Male Air Line Adaptor	AHC24MD	Snap-On
1	12" Adjustable Joint Pliers	AWP120	Snap-On
1	9 pc. Metric Ball Hex Wrench Set	BHM9A	Snap-On
1	13 pc. SAE Hex Wrench Set	BHS13A	Snap-On
1	Curved Locking Jaw Pliers	BLP10	Snap-On
1	62 pc. 1/4" Dr. SAE/Metric General Service Set	BLPGSS1462	Snap-On
1	87 pc. Torx® & Hex Bit Socket Set	BLPTH87	Snap-On
1	16 oz. Ball Peen Hammer	BPN16B	Snap-On
1	0-1" Micrometer	CNT3M101	Snap-On
1	14-1/8" Rigid Carbon Scraper	CSA14C	Snap-On
1	Bent Blade Feeler Gauge Set	FB300A	Snap-On
1	38 pc. Straight Feeler Gauge Blade Set	FBST338	Snap-On
1	Dual-Foot Air Chuck	GA356B	Snap-On
1	Dial Indicator Extension	GA3601	Snap-On
1	Magnetic Base Dial Test Indicator Set	GA3640A	Snap-On
1	Black Frame Safety Glasses	GLASS31BK	Snap-On
1	48 oz. Soft Grip Dead Blow Hammer	HBFE48	Snap-On
1	4 lb. Hand Drilling Fiberglass Hammer	HD4SG	Snap-On
1	Blow Gun	JT13B	Snap-On
1	5/16" 12 pt. Combination Wrench	OEX10B	Snap-On
1	14 pc. 12 pt. SAE Combination Wrench Set	OEX714KB	Snap-On
1	6mm 12 pt. Metric Short Combination Wrench	OEXM6B	Snap-On
1	10 pc., 12 pt. Combination Metric Wrench Set	OEXM710B	Snap-On
1	7mm 12 pt. Metric Short Combination Wrench	OEXM7B	Snap-On
1	8mm 12 pt. Metric Short Combination Wrench	OEXM8B	Snap-On
1	9mm 12 pt. Metric Short Combination Wrench	OEXM9B	Snap-On
1	4 pc. Prybar Set	PBS704	Snap-On
1	Pencil Tire Pressure Gauge	PGPL150	Snap-On
1	3-19/32" Single Bevel Putty Knife	PK53A	Snap-On
1	3 pc. Pliers Set	PL307ACF	Snap-On
1	US/Metric Dial Type Caliper	PMF147A	Snap-On
1	8" Bronze Drift Punch	PPB826A	Snap-On
1	20" Oval Bearing Race Punch	PPC20LB	Snap-On
1	11 pc. Punch & Chisel Set	PPC710BK	Snap-On
1	Telescoping Magnet Pick Up Tool	PT5C	Snap-On
1	Round Pocket Mirror	PTM143	Snap-On
1	Wire Striper/Cutter/Crimper/Bolt Cutter	PWC9	Snap-On
1	3/8" Dr. SAE Adj. Click-Type Flex-Head Torque Wrench	QD2FR75B	Snap-On
1	1/2" Dr. SAE Adj. Click-Type Flex-Head Torque Wrench	QD3FR250A	Snap-On
1	3/8" Dr. 6 pt. SAE 3/16" Dr. Shallow Spark Plug Socket	S9704KA	Snap-On

QTY	DESCRIPTION	CATALOG #	VENDOR
1	3/8" Dr. 6 pt. SAE 5/16" Dr. Shallow Spark Plug Socket	S9706KA	Snap-On
1	Flat Tip Pocket Screwdriver W/Magnet	SDD2240	Snap-On
1	Instinct AWL	SG7ASABR	Snap-On
1	4 pc. Soft Grip Mini Pick Set	SGASA204CR	Snap-On
1	8 pc. Combination Screwdriver Set	SGDX80BR	Snap-On
1	2 pc. Striking Prybar Set	SPBS704AO	Snap-On
1	8-7/8" Long Snap Ring Pliers	SRP2B	Snap-On
1	14" Long Snap Ring Pliers	SRP4	Snap-On
1	Convertible Retaining Ring Pliers	SRPC7000	Snap-On
1	1/2" Dr. 12 pt. 10mm Shallow Socket	SWM101A	Snap-On
1	1/2" Dr. 12 pt. 11mm Shallow Socket	SWM111A	Snap-On
1	1/2" Dr. 12 pt. 25mm Shallow Socket	SWM251	Snap-On
1	1/2" Dr. 12 pt. 26mm Shallow Socket	SWM261	Snap-On
1	1/2" Dr. 12 pt. 27mm Shallow Socket	SWM271	Snap-On
1	Torqometer	TE25A	Snap-On
1	Deutsch Terminal Removal Tool Kit	THX483	Snap-On
1	Socket, Shallow 1-1/4" 12- pt.	TW401	Snap-On
1	Brush, Wire, Brass, Miniature, 2"	WBBS2	Snap-On
1	Oil Filter Slip Joint Pliers	YA4274A	Snap-On
1	Oil Filter Pliers	YA4275	Snap-On
1	Welding Gloves	YA427B	Snap-On
1	Welding Sleeve	YA4280	Snap-On
1	Fluke Multimeter 87-V	2074974(F)	Fluke
1	US/Metric Measuring Tape	33-215	Stanley
1	Cut 1 Dipped Gloves SML-2XL (Sized)	48-22-8903	Milwaukee
1	Lifting Brackets	7100U1	Custom
1	.300-.400" Hole Gauge	CEN-4313	Central Tools
1	4' Endless Sling	EN1-801TX4	Tuff-Edge
1	Box of 100 Nitrile Gloves (Sized)	63-332	Ambi-Dex
1	Quiet Bands Hearing Protection	QB2HYG	Supra-Aural
1	Mini LED 2-cell AAA Flashlight	SP32116	Maglite
1	Welding Pliers	770150	Hobart
1	Soapstone Holder/Marker	326-SP-800-1	Wypo
1	Auto Darkening Welding Helmet	S26100	Sellstrom
1	Super Scraper	SS-4U	Inn. Tools

2ND YEAR OPTIONAL

QTY	DESCRIPTION	CATALOG #	VENDOR
SNAP-ON TOOLS			
1	3/8" Dr. X-long Handle Flex-Head Ratchet	FHLLX80	Snap-On
1	6 pc. 12 pt. SAE Midget Wrench Combo Set	OXI706B	Snap-On
1	10 pc. 12 pt. Metric Midget Wrench Combo Set	OXIM710B	Snap-On
1	9-1/4" Hose Clamp Pliers	PHP1A	Snap-On
1	14" Hose Clamp Pliers	PHP2A	Snap-On
1	Cooling System Vacuum/Filler	RADKITPLUSA	Snap-On
1	1/2" Dr. Long Handle Ratchet	SF80A	Snap-On
MILWAUKEE DRILL/DRIVE IMPACT SET			
1	M18 Fuel 1/2" Brushless Compact Drill/Driver Kit	2903-22	Milwaukee
1	M18 Fuel 3/8" Impact Wrench - Bare Tool	2854-20	Milwaukee
1	M18 Fuel 1/2" High Torq. Impact Wrench - Bare Tool	2967-20	Milwaukee

A partial kit may be itemized as a special order. Special orders are subject to availability, vendor discretion, and may not receive the standard educational pricing. To request a special order quote, contact the NDSCS Bookstore Tool Department. Vendors reserve the right to substitute items due to changes in supply chain with items deemed of equal or greater quality. Prices are subject to change without notice due to unforeseen vendor cost increases.

PROGRAM INCENTIVE

As Komatsu dealers, we are in constant need of educated, hard working diesel techs to join our teams. We find value great value in this program and the students going through it. For this reason, we cover the costs associated with tuition, fees and supplies. Through tuition reimbursement, we reimburse up to 100% of the costs dependent upon Grade Point Average (GPA).

Participating Komatsu dealers will not cover program tools, all tools are the responsibility of the student. Students must provide the program coordinator a copy of their transcript after each semester.

Tuition reimbursement will be paid after program completion directly to the institution responsible for the student loan. Only if no student loans exist, will monies be paid directly to the student. Payments directly to students will be subject to all applicable taxes. Tuition reimbursement monies will be paid over a 36 month time period.

Students falling below a cumulative 2.5 GPA will be required to meet with the program coordinator and develop a plan for immediate improvement or face termination from the program.

Participating Komatsu dealerships will also provide required uniforms and may cover other expenses at their discretion.



SPONSOR APPROVAL OF STUDENT

DIRECTIONS TO THE STUDENT

Fill in your name and address in the lines below. Then, take this Sponsor Approval Form to the Komatsu dealer for approval of the sponsorship.

Student's Name _____

Street Address _____

City, State, Zip _____

Phone _____

DIRECTIONS TO THE DEALER

_____ I agree to provide sponsorship for the above student in the Diesel Technology – Komatsu program at NDSCS.

Dealership _____

Internship Location _____

Street Address _____

City, State, Zip _____

Phone _____

Authorizing Representative _____

Date _____

STUDENT RELEASE OF INFORMATION FORM

I hereby grant permission to North Dakota State College of Science to share my high school transcripts, pre-admission test results, interview data, and college grades and progress reports with the sponsoring dealership.

Student Signature _____

Street Address _____

City, State, Zip _____

Date _____

Return this completed form to:
NDSCS Enrollment Services
800 Sixth St. N.
Wahpeton, ND 58076

CORRESPONDENCE

All correspondence should be directed to the following address:

Diesel Technology – Komatsu
Enrollment Services
North Dakota State College of Science
800 Sixth St. N.
Wahpeton, ND 58076



NORTH DAKOTA STATE COLLEGE OF SCIENCE

800 6th St. N. Wahpeton, ND 58076 | 1-800-342-4325

[NDSCS.edu/Komatsu](https://www.ndscs.edu/Komatsu)