

## Caterpillar Dealer Service Technician

### ► Contact Information

Michael Seedorf, program coordinator  
 Michael.L.Seedorf@ndscs.edu  
 701-671-2101  
 Bisek Hall 1152

### ► Delivery Methods

Face-to-Face: Wahpeton

The Caterpillar Dealer Service Technician program is designed to develop technically competent entry-level service technicians for Caterpillar dealerships regionally and throughout the world.

Students receive up-to-date technical training on Caterpillar equipment and systems through a combination of classroom instruction, hands-on laboratory instruction, and an internship at the participating Caterpillar dealer. Work experience at the dealership is structured to relate to the most recent classroom/lab subjects covered at NDSCS.

Green technology is addressed through changes in emission standards and alternative fuels that will continue to advance changes in this industry.

The Caterpillar Dealer Service Technician 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 first, third, fifth, seventh, and ninth terms on campus and the second, fourth, sixth, and eighth terms at a sponsoring Caterpillar dealership.

The Caterpillar Dealer Service Technician program is accredited by the AED Foundation.

### Admission Requirements\*

The applicants must be high school graduates or equivalent. Students considered for acceptance must complete all admission requirements. Special requirements include securing a Caterpillar dealership sponsor.

Required minimum placement scores:

<u>ACT</u>	<u>ACCUPLACER</u>
Reading – 15	<u>NEXT GENERATION</u>
English – 15	Reading – 240
	Writing – 237

Or transfer equivalencies will apply as appropriate

Applicants not meeting the above requirements are encouraged to visit with the Diesel Technology Department at 701-671-2330 or academic counselor at 701-671-2257 for strategies to meet the admission requirements.

*\*Program Admission Requirements are subject to revision. Please check the department or program website under Program Admission Requirements for current information.*

### Award

Upon successful completion of the required courses, students will be awarded an Associate in Applied Science degree in Caterpillar Dealer Service Technician.

Course Code	Course Title	Credits
DCAT 110	Caterpillar Engine Fundamentals	4
DCAT 111	Introduction to Caterpillar Service	2
DCAT 112	Fundamentals of Hydraulics	3
DCAT 113	Caterpillar Fuel Systems	3
DCAT 114	Fundamentals of Electricity	3
DCAT 115	Air Conditioning Fundamentals	3
DCAT 116	Fundamentals of Transmission and Torque Converters	3
DCAT 117	Machine Hydraulic Systems	3
DCAT 150	Internship I	2
DCAT 151	Internship II	2
DCAT 200	Undercarriage/Final Drives	3
DCAT 201	Machine Electronic Systems	3
DCAT 202	Engine Performance	2
DCAT 203	Diagnostic Testing	2
DCAT 204	Machine Specific Systems	3
DCAT 250	Internship III	6
DCAT 251	Internship IV	6
MFGT 110	Industrial Shop Practices	2

### Related/General Education Courses

ENGL 110	College Composition I	3
English/Communication Elective (choose one)		3
ENGL 105	Technical Communications	
ENGL 120	College Composition II	
ENGL 125	Introduction to Professional Writing	
COMM 110	Fundamentals of Public Speaking	
Wellness Electives		2
MATH 120	Basic Mathematics I	2
MATH 123	Basic Mathematics II	2
MATH 125	Basic Mathematics III	2
FYE 101	Science of Success	1
Social and Behavioral Sciences, Humanities, History and/or Computer Electives		4
Recommended:		
• CIS 101 – Computer Literacy – 2 cr		
• PSYC 100 – Human Relations in Organizations – 2 cr		

**Total Required Credits** **74**