Caterpillar Dealer Service Technician

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:

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<th>ACT</th>
<th>ACCUPLACER</th>
<th>ACCUPLACER</th>
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</thead>
<tbody>
<tr>
<td>Reading</td>
<td>15</td>
<td>Reading Comp 61</td>
</tr>
<tr>
<td>English</td>
<td>15</td>
<td>WritePlacer 3-4</td>
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<td></td>
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<td>Reading 240</td>
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<td>Writing 237</td>
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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       | 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       |
ENGL 110     | College Composition I                         | 3       |
ENGL 105     | Technical Communications                      | 3       |
ENGL 120     | College Composition II                        |         |
ENGL 125     | Introduction to Professional Writing          |         |
COMM 110     | Fundamentals of Public Speaking               |         |
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

Recommended:
- CIS 101 – Computer Literacy – 2 cr
- PSYC 100 – Human Relations in Organizations – 2 cr

Total Required Credits 74

Contact Information
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701-671-2101 Bisek Hall 1152

Delivery Methods
Face-to-Face: Wahpeton