

## Case IH

### ► Contact Information

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### ► Delivery Methods

Face-to-Face: Wahpeton

The Case IH program is designed to develop technically competent, professional service technicians for participating Case IH dealerships.

This program combines state-of-the-art, on-campus training with internships at a sponsoring Case IH dealership. Students receive technical training on Case IH equipment and related products through a combination of classroom instruction and hands-on laboratory experiences. Classroom and laboratory instruction at NDSCS covers the basics of each subject plus the latest developments in Case IH agricultural equipment. Work experience at the dealership reinforces on-campus training and exposes the student to real life shop service practices.

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

The Case IH 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, second, third, fifth, seventh, eighth and ninth terms on campus and the fourth and sixth terms at a participating Case IH dealership.

| Course Code | Course Title                                  | Credits |
|-------------|---|---------|
| DTEC 109    | Air Conditioning for Diesel Technology        | 2       |
| DTEC 115    | Introduction to Light and Medium Duty Engines | 4       |
| DTEC 125    | Introduction to Heavy Duty Drive Systems      | 3       |
| DTEC 155    | Electricity for Diesel Technology             | 4       |
| DTEC 164    | Introduction to Mobile Hydraulics             | 4       |
| MFGT 110    | Industrial Shop Practices                     | 2       |
| CIH 106     | Case IH Shop Service Management               | 2       |
| CIH 215     | Case IH Engine Rebuild                        | 6       |
| CIH 216     | Case IH Equipment Operation and Adjustment    | 4       |
| CIH 225     | Case IH Power Trains                          | 4       |
| CIH 255     | Case IH Electrical/Electronics Diagnostics    | 5       |
| CIH 260     | Case IH Advanced Farming Systems              | 3       |
| CIH 265     | Case IH Hydraulic Systems                     | 5       |
| CIH 110     | Case IH Internship I                          | 4       |
| CIH 210     | Case IH Internship II                         | 4       |

### 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      |   |
| MATH 120  | Basic Mathematics I                  | 2 |
| MATH 123  | Basic Mathematics II                 | 2 |
| MATH 125  | Basic Mathematics III                | 2 |
| Wellness Elective(s)  |                                      | 2 |
| 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                          |                                      |   |
| FYE 101   | Science of Success                   | 1 |

**Total Required Credits for Associate 75**

### Admission Requirements\*

The applicants must be high school graduates or equivalent. Students considered for acceptance must complete all admission requirements.

Required minimum placement scores:

| ACT          | ACCUPLACER        | ACCUPLACER             |
|--------------|-------------------|------------------------|
| Reading – 15 | Reading Comp – 61 | <u>NEXT GENERATION</u> |
| English – 15 | WritePlacer – 3-4 | 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 Diesel Technology with an emphasis in Case IH.

Revised: May 2021