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## Agricultural Diesel Mechanics - AAS

### Semester-by-Semester Pathway

An Associates of Applied Science Degree emphasizes preparation in the applied arts and sciences for careers, typically at the technical or semi-professional level. This degree totals 67 credits. Consult with an advisor for more information. Not all courses are offered each semester.

(T) are Systemwide Transfer Courses

(★) are recommended for this degree pathway.

| Semester 1 - Fall |           |                                  |              |       |
|-------------------|-----------|----------------------------------|--------------|-------|
| Complete          | Course ID | Course Title                     | Credit Hours | Notes |
| Required Courses  |           |                                  |              |       |
|                   | AP101     | Introduction to Ag Power         | 6.00         | Fall  |
|                   | AP107     | Ag Equipment Hydraulics          | 6.00         | Fall  |
|                   | AP121     | Ag Equipment Electricity         | 3.00         | Fall  |
|                   | AP122     | Combine Operation and Repair     | 2.00         | Fall  |
|                   | TR121     | General Industrial Safety/OSHA10 | 1.00         | Fall  |
| Electives         |           |                                  |              |       |
| Semester Total:   |           |                                  | 18.00        |       |

| Semester 2 - Spring |           |   |              |   |
|---------------------|-----------|---|--------------|---|
| Complete            | Course ID | Course Title                                    | Credit Hours | Notes   |
| Required Courses    |           |   |              |   |
|                     | AE100     | AC/DC Circuits                                  | 4.00         | Fall, Spring                                      |
|                     | AP102     | Hay and Seeding Systems                         | 2.00         | Spring  |
|                     | AP104     | Ag Air Conditioning                             | 2.00         | Spring  |
|                     | AP125     | Agriculture Equipment Technology & Optimization | 1.00         | Spring  |
|                     | AP203     | Ag Equipment Powertrains                        | 7.00         | Spring<br>Prereq: AP101 Introduction to Ag Power. |
|                     | AP206     | Dealership Operations and Procedures            | 1.00         | Spring  |
|                     | TR120     | Work Ethics                                     | 2.00         | Fall, Spring                                      |
| Electives           |           |   |              |   |
| Semester Total:     |           |   | 19.00        |   |

| Semester 3 - Fall |           |                       |              |   |
|-------------------|-----------|-----------------------|--------------|---|
| Complete          | Course ID | Course Title          | Credit Hours | Notes   |
| Required Courses  |           |                       |              |   |
|                   | AP227     | Ag Diesel Diagnostics | 3.00         | Prereq: AP107 Ag Equipment Hydraulics, and AP221 Advanced Ag Equipment Electricity. |

| Electives       |   |       |  |
|-----------------|---|-------|--|
|                 | Ag Diesel Communications Options                        | 3.00  |  |
|                 | Ag Diesel Composition Options                           | 3.00  |  |
|                 | Ag Diesel Traditional Pathway General Education Options | 6.00  |  |
| Semester Total: |   | 15.00 |  |

| Semester 4 - Spring |                        |                                  |              |   |
|---------------------|------------------------|----------------------------------|--------------|---|
| Complete            | Course ID              | Course Title                     | Credit Hours | Notes   |
| Required Courses    |                        |                                  |              |   |
|                     | AP207                  | Advanced Ag Equipment Hydraulics | 4.00         | Prereq: AP107 Ag Equipment Hydraulics.                |
|                     | AP222                  | Transverse and Axial Combines    | 4.00         | Prereq: AP122 Combiner Operation and Repair.          |
|                     | AP225                  | Advanced Ag Equipment Systems    | 4.00         | Prereq: AP125 Ag Equipment Technology & Optimization. |
| Electives           |                        |                                  |              |   |
|                     | Ag Diesel Math Options |                                  | 3.00         |   |
| Semester Total:     |                        |                                  | 15.00        |   |

**Total Credits: 67.00**

\*Semester offerings reflect the current academic year.

| Ag Diesel Communications Options |                               |              |                      |
|----------------------------------|-------------------------------|--------------|----------------------|
| Course ID                        | Course Title                  | Credit Hours | Notes                |
| SH101                            | Public Speaking ▶             | 3.00         | Fall, Spring, Summer |
| ★ SH210                          | Interpersonal Communication ▶ | 3.00         | Fall, Spring, Summer |

| Ag Diesel Composition Options |  |              |              |
|-------------------------------|--|--------------|--------------|
| Course ID                     | Course Title                           | Credit Hours | Notes        |
| EN107                         | Business English Grammar & Composition | 3.00         | Fall, Spring |
| ★ EN108                       | Career and Technical Writing           | 3.00         | Fall, Spring |

| Ag Diesel Math Options |                          |              |              |
|------------------------|--------------------------|--------------|--------------|
| Course ID              | Course Title             | Credit Hours | Notes        |
| ★ FM101                | Agricultural Mathematics | 3.00         | Spring       |
| TR100                  | Technical Math           | 3.00         | Fall, Spring |

| Ag Diesel Traditional Pathway General Education Options |                              |              |                      |
|---|------------------------------|--------------|----------------------|
| Course ID   | Course Title                 | Credit Hours | Notes                |
| BU105   | Introduction to Business ▶   | 3.00         | Fall, Spring, Summer |
| BU107   | Personal Finance ▶           | 3.00         | Fall, Spring, Summer |
| BU118   | Introduction to Leadership ▶ | 3.00         | Fall, Spring         |