

ASSOCIATE OF APPLIED SCIENCE DEGREE

AGRICULTURAL EQUIPMENT TECHNOLOGY

Length: 25 Months

Program length includes 10 break-weeks and class time for Review Math and Basic English if required.

Students in this program will prepare for entry-level positions in the agricultural equipment industry by acquiring both the technical and management skills currently applicable to the industry. They will also take a core of general education courses to augment their technical education.

MISSION STATEMENT: The Agricultural Equipment Department's mission is to provide quality education on various equipment to serve our students in developing skills for a productive work force as an entry-level agriculture technician.

| <u>Technical Requirements</u> | <u>Instructional Hours</u> | <u>Credit Hours</u> |
|---|----------------------------|---------------------|
| AG227 Combines | 120 | 6 |
| AG228 Tractors | 120 | 6 |
| AU118 Transportation Heating Ventilation Air Conditioning | 120 | 6 |
| AU123 Electrical & Electronics I | 120 | 6 |
| DT119 Theory & Techniques in Welding | 120 | 6 |
| DT124 Diesel Engine Diagnosis & Repair | 120 | 6 |
| DT131 Truck Drivetrains | 120 | 6 |
| DT228 Heavy Equipment & Vehicle Integrated Electronics | 120 | 6 |
| DT230 Diesel Performance & Diagnosis | 120 | 6 |
| DT235 Diesel Engine Electronic Controls | 120 | 6 |
| HY130 Hydraulics | 120 | 6 |
| UN295 Major Specific Capstone - Associate | <u>24</u> | <u>3</u> |
| Total Technical Hours | 1344 | 69 |

| <u>General Education & Related Requirements</u> | <u>Instructional Hours</u> | <u>Credit Hours</u> |
|---|----------------------------|---------------------|
| DP153 Digital Documents & Spreadsheets | 36 | 3 |
| CO179 Introduction to Human Communication | 24 | 3 |
| MH150 Technical Math | 36 | 4 |
| EN180 Composition I | 48 | 5 |
| PS274 The American Political Scene | 24 | 3 |
| PY177 Psychology | 24 | 3 |
| SC205 Earth Science | 24 | 3 |
| UN220 Introduction to Diversity Issues | 24 | 3 |
| MA234 Customer Relations Automated Management | 48 | 3 |
| EN200 Composition II | 48 | 5 |
| UN110 First-Year Experience | <u>11</u> | <u>2</u> |
| Total General Hours | 347 | 37 |
| TOTAL HOURS FOR GRADUATION | 1691 | 106 |

*EN070 Basic English

48

3

*MH065 Review Math

48

3

*If the placement test is passed with a score of 70% or higher, course will not be required to graduate.

| <u>Recommended Additional Courses</u> | <u>Instructional Hours</u> | <u>Credit Hours</u> |
|---------------------------------------|----------------------------|---------------------|
| CDL101 Commercial Driver License I | 120 | 6 |
| CDL102 Commercial Driver License II | 120 | 6 |