

Agriculture, Food & Natural Resources

# Applied Agricultural Engineering



The Applied Agricultural Engineering program of study explores the occupations and educational opportunities associated with applying knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing agricultural products. This program of study may also include exploration into diagnosing, repairing, or overhauling farm machinery and vehicles, such as tractors, harvesters, dairy equipment, and irrigation systems.

<b>Level</b> 1	<b>7000</b> Principles of Agriculture, Food, and Natural Resources
<b>Level</b> 2	<b>7070</b> Agricultural Mechanics and Metal Technologies
<b>Level</b> 3	<b>7072/L</b> Agricultural Structures Design and Fabrications/Lab
<b>Level</b> 4	<b>7090</b> Practicum in Agriculture, Food, and Natural Resources <b>7499</b> Independent Study Mentorship

### Industry-Based Certifications offered in this Program of Study include:

- AWS D9.1 Sheet Metal