

## Agricultural Mechanics II

<b>Course Number:</b>	AS32
<b>Recommended Maximum Enrollment:</b>	20*
<b>Hours of Instruction:</b>	135 (block)
<b>Prerequisite:</b>	AS31 Agricultural Mechanics I

In this course, the topics of instruction emphasized are non-metallic agricultural fabrication techniques, metal fabrication technology, safe tool and equipment use, human resource development, hot/cold metal working skills and technology, advanced welding and metal cutting skills, working with plastics, and advanced career exploration/decision making. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course are apprenticeship, cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, job shadowing, and supervised agricultural experience. FFA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

\*Course enrollment limited to 20 to ensure safety in laboratory settings.