

Agriculture 3 and 4 Animal science

- Background and social issues of animal science
- Handling and caring for animals safely
- Anatomy and physiology
- Nutrition
- Reproduction
- Genetics
- Animal health
- Animal selection, products, and marketing

Agriculture 2 Plants

- Worlds of Opportunity
- Mineral Soils
- Soilless Systems
- Anatomy and Physiology
- Taxonomy
- The Growing Environment
- Plant Reproduction
- Environmental Factors
- Crop Production and Marketing

Agriculture 1 The Introduction to Agriculture, Food, and Natural Resources

- Agricultural Education – Agriculture, FFA, and SAE
- Communication Methods
- Science Processes
- Natural Resources
- Plants and Animals
- Agricultural Power and Technology

Precision Manufacturing 1

This course is primarily devoted to an introduction to fabrication procedures, semi-precision measurement, layout, mechanical drawing, and safe shop practices.

Students will study elements of industry and manufacturing. Emphasis will be on participation, critical thinking, craftsmanship, and safety in the classroom and shop.

Precision Manufacturing 2

This course will continue to emphasize fabrication procedures, precision measurement and layout, machining, welding, mechanical drawing, and safe shop practices.

Refining your shop skills, on-Line skills, process planning, and communication skills will be our paramount focus.

Students will study elements of industry and manufacturing. Emphasis will be on participation, critical thinking, craftsmanship, and safety in both the classroom and lab.

Precision Manufacturing 3

This class will look at shop safety, hand tools, precision measurement, and introduction to the machine lathe, milling machine and CNC.

This course will continue to emphasize machining, fabrication procedures, precision measurement and layout, mechanical drawing, and safe shop practices.

You will be required to demonstrate all of the classroom and lab skills you have acquired in the four previous semesters in a business environment.

Students will study elements of industry and manufacturing. Emphasis will be on participation, critical thinking, craftsmanship, and safety in the classroom and lab.

3rd year students will collaborate to create a business atmosphere. Continued emphasis on mechanical math, machining practices, and shop safety will assist students in preparation for the AWS 1-4 welding national cert, OSHA 10 hr safety training, and the Arizona state ADE assessment as part of the completion requirement.