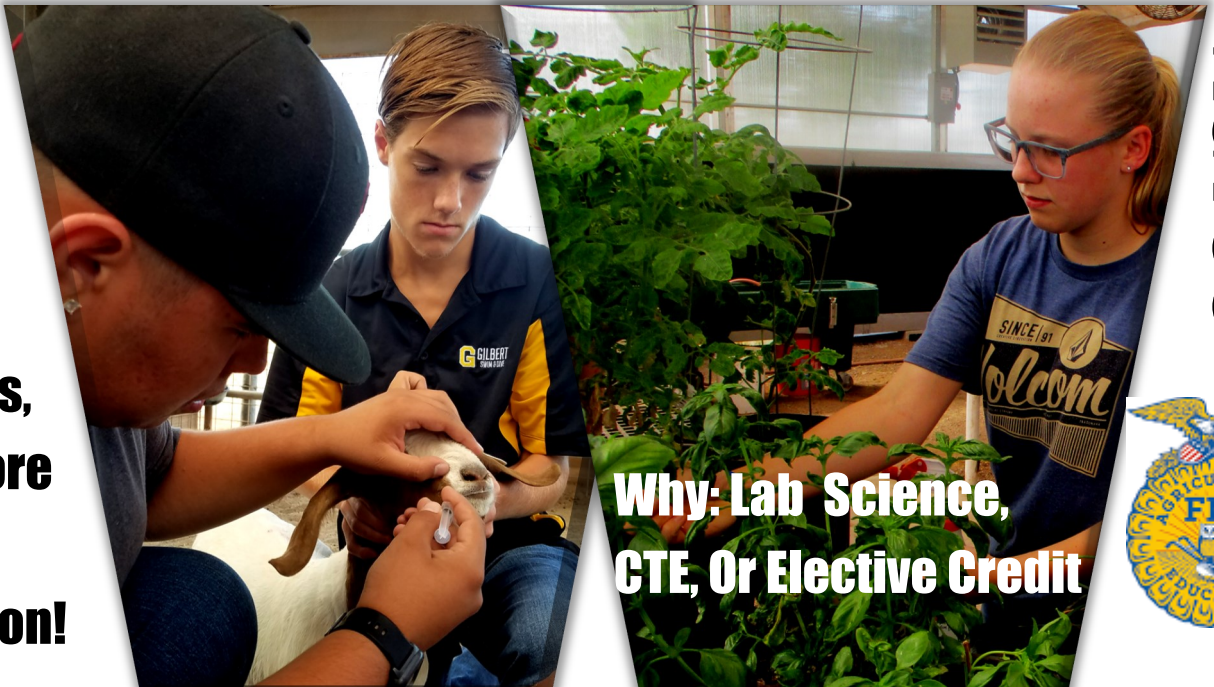


APPLIED BIOLOGICAL SYSTEMS

**What:
Class
about
plants,
animals,
and more
with
hands-on!**



AG100

**Why: Lab Science,
CTE, Or Elective Credit**



Gilbert High School—AgriScience & Engineering

AG ENGINEERING & FABRICATION

AG 120

**What:
Hands-on class open to all
students**

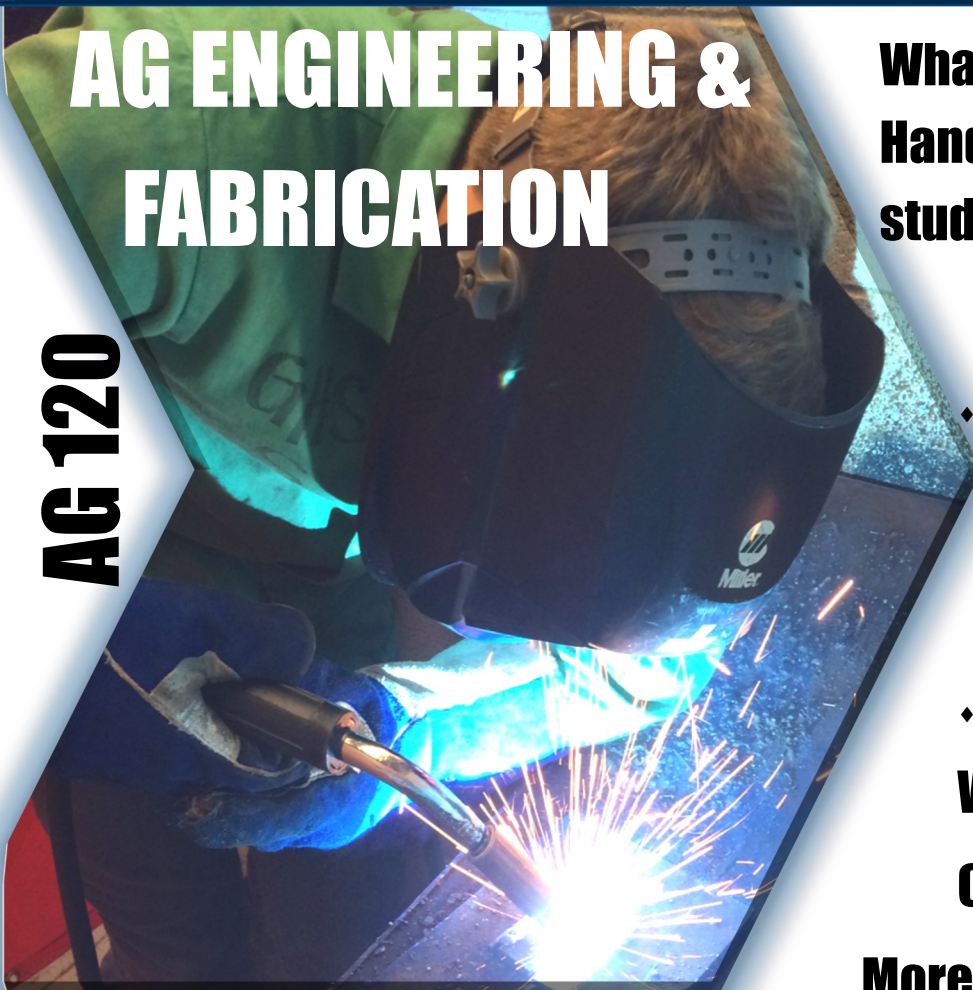
Featuring:

- ◆ **Learn To Use Power Tools**
- ◆ **Build Projects**
- ◆ **Develop Welding Skills**

Why:

CTE or Elective Credit

More info: Gilbertffa.net





Gilbert Public Schools



Agriscience & Engineering



Agriculture Education can help you:

- Get closer to the career you have **always** wanted.
- Give you a **GREAT** high school experience learning practical, real-world, hands-on skills.
- Have fun learning at school.
- Earn credits for **science, elective, economic, or CTE classes.**

Agricultural Careers

Animal Related Careers	Plant Related Careers	Mechanics Related Careers
Veterinarian	Florist/Event Planner	Welder
Police Officer /K-9	Landscape Architect	Heavy Equipment Technician
Wildlife Biologist	Nursery Manager/Owner	Agriculture Engineer
Veterinarian Technician	Forest Geneticist/ Manager	Surveyor
Game Warden	Golf Course Superintendent	Machinist
Vet Medical Representative	Food Technician/Scientist	Building Contractors
Animal Groomer	Soil Scientist	Plumber
Wildlife Rescue Managers	Botanist	Electrician
Dietitian	Crop/USDA Inspector	Project Estimator
Zoo Keeper/Manager	Plant Geneticist	Structure and Metal Fabricator
Animal Trainer	Biosecurity Officer	Mechanic
Research & Lab Technician	Biotech Research Technician	Equipment & Product Sales

AGRICULTURAL EDUCATION AND YOUR FUTURE

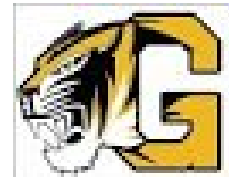
Many of the classes offered in the area of Agricultural Education can assist you not only in meeting your graduation requirements, but also meeting those requirements to enter a four-year university in Arizona. The table below lists several of your options when enrolling in select agricultural classes.

GILBERT SCHOOLS COURSE	DESCRIPTION	REQUIREMENTS MET	
		GILBERT SCHOOLS GRADUATION REQUIREMENTS	ARIZONA UNIVERSITY ENTRANCE REQUIREMENTS
AG100 – APPLIED BIOLOGICAL SYSTEMS	“HANDS-ON” BIOLOGY	1 SCIENCE OR 1 ELECTIVE OR 1 CTE	1 LABORATORY SCIENCE (BIOLOGY)
AG120 – AG ENGINEERING & FABRICATION I	WELDING EMPHASIS	1 ELECTIVE OR 1 CTE	
AG201 – AGRICULTURE SCIENCE – ANIMAL	WILDLIFE, AQUACULTURE, SMALL ANIMALS & LIVESTOCK	1 SCIENCE OR 1 ELECTIVE OR 1 CTE	* ½ LABORATORY SCIENCE (INTEGRATED)
AG205 – AGRICULTURE SCIENCE - PLANT	PLANT SCIENCE, HYDROPONICS, GARDENS, GREENHOUSE MANAGEMENT	1 SCIENCE OR 1 ELECTIVE OR 1 CTE	* ½ LABORATORY SCIENCE (INTEGRATED)
AG208 – AGRICULTURE SCIENCE – VETERINARY SCIENCE	VET MEDICINE, DISSECTIONS, DISEASES, VET TOOLS	1 SCIENCE OR 1 ELECTIVE OR 1 CTE	* ½ LABORATORY SCIENCE (INTEGRATED)
AG310 – AG BUSINESS AND MANAGEMENT	AG ECONOMICS & BUSINESS	ECONOMICS CREDIT OR 1 ELECTIVE OR 1 CTE	
AG221 – AG ENGINEERING & FABRICATION II	PROJECT DESIGN & FABRICATION	1 ELECTIVE OR 1 CTE	
AG400/AG401 – AGRI COOPERATIVE EDUCATION	WORK STUDY	½ ECONOMICS AND 2 ½ ELECTIVE OR 3 CTE	
AG315 – AG PROCESSING	“HANDS-ON” MEAT CUTTING	1 ELECTIVE OR 1 CTE	

* May only utilize one total credit or Integrated Laboratory Science toward university entrance from these classes.



GILBERT HIGH SCHOOL
GUIDANCE & COUNSELING DEPARTMENT
www.gilbertschools.net



4 PLUS PLAN

Name _____ Date _____ ID # _____ Grad Yr. _____

CREDIT REQUIREMENTS

Alternate Means
of Earning Credit: Summer school or online

*Graduation
2020 and beyond**

*In-State
University*

4 – English
3 – Social Studies
4 – Math
3 – Science
1 – P.E.
2 – CTE/Fine Arts
5 – Electives

4 – English
2 – Social Studies
4 – Math
3 – Lab Sciences
1 – CTE/Fine Arts
2 – Foreign Language

22 Credits Total

16 Credits Total

****A full day consists of 6 classes. "A" hour is an optional class before the regular school day begins.**

FRESHMAN **Total**

- A) _____ / _____
1) English I _____ , English I _____
2) Math Topics I _____ , Math Topics 2 _____
3) Lab Biology _____ , Lab Biology _____
4) Applied Bio Sys _____ , Applied Bio Sys _____
5) Ag Eng&Fabrication I _____ , Ag Eng&Fabrication I _____
6) _____ / _____

SOPHOMORE **Total**

- A) _____ / _____
1) English II _____ , English II _____
2) Math Topics 3 _____ , Math Topics 4 _____
3) Science _____ , Science _____
4) World Studies _____ , World Studies _____
5) Ag Science-Plant _____ , Ag Science-Plant _____
6) _____ / _____

JUNIOR **Total**

- A) _____ / _____
1) English III _____ , English III _____
2) Math _____ , Math _____
3) Science _____ , Science _____
4) Am/Az History _____ , Am/Az History _____
5) Ag-Business Mgmt _____ , Ag Business Mgmt _____
6) Ag Science-Animal _____ , Ag Science-Animal _____

SENIOR **Total**

- A) _____ / _____
1) English IV _____ , English IV _____
2) Math _____ , Math _____
3) Am/Az Gov. _____ , Economics _____
4) Ag Science-Vet _____ / Ag Science-Vet _____
5) Ag Elective _____ , /Ag Elective _____