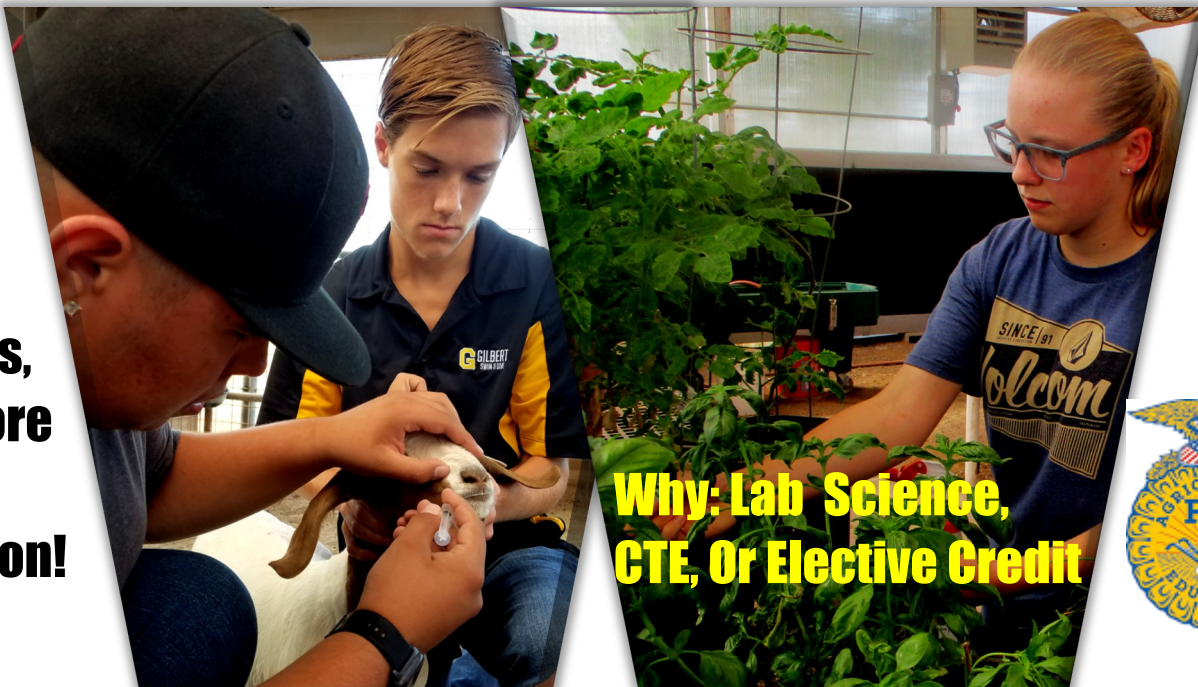


APPLIED BIOLOGICAL SYSTEMS

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



AG100

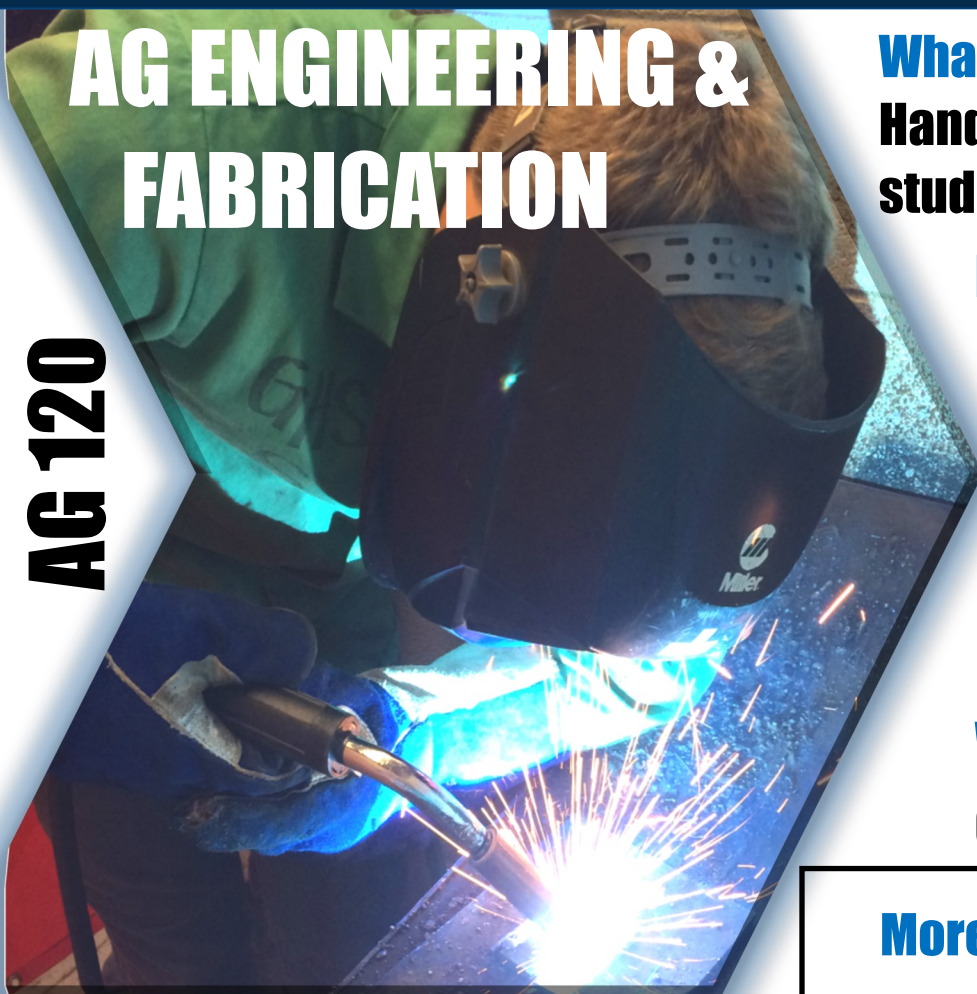
Why: Lab Science, CTE, Or Elective Credit



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

Name _____

2022-2023 School Year

The following Agriculture Education classes are recommended for You:

	GILBERT SCHOOLS COURSE		REQUIREMENTS MET		
			GILBERT SCHOOLS GRADUATION REQUIREMENTS	AZ UNIVERSITY ENTRANCE REQUIREMENTS	DUAL CREDIT WITH COMMUNITY COLLEGE TRANSFERABLE TO UNIVERSITIES
<input type="checkbox"/>	AG100 APPLIED BIOLOGICAL SYSTEMS - 1 YR	“HANDS-ON” BIOLOGY	1 SCIENCE 1 CTE OR ELECTIVE	* 1 LABORATORY SCIENCE	
<input type="checkbox"/>	AG120 – AG ENGINEERING & FABRICATION I- 1 YR	WELDING / PROJECT CONSTRUCTION	1 ELECTIVE OR 1 CTE		N/A
<input type="checkbox"/>	AG201 – AGRICULTURE SCIENCE – ANIMAL- 1 YR	WILDLIFE, AQUACULTURE, SMALL ANIMALS & LIVESTOCK	1 SCIENCE OR 1 ELECTIVE OR 1 CTE	* ½ LABORATORY SCIENCE	
<input type="checkbox"/>	AG205 – AGRICULTURE SCIENCE – PLANT I- 1 YR	PLANT SCIENCE, HYDROPONICS, GARDENS, GREENHOUSE MANAGEMENT	1 SCIENCE 1 ELECTIVE OR 1 CTE	* ½ LABORATORY SCIENCE	**3 CREDITS AGS 164 – PLANT GROWTH & DEVELOPMENT
<input type="checkbox"/>	AG208 – AGRICULTURE SCIENCE - VETERINARY- 1 YR	VET MEDICINE, DISSECTIONS, DISEASES, VET TOOLS	1 SCIENCE 1 ELECTIVE OR 1 CTE	* ½ LABORATORY SCIENCE	N/A
<input type="checkbox"/>	AG306 – AGRICULTURE SCIENCE – PLANT II- 1 YR	LANDSCAPE DESIGN PLANT DISEASE SUSTAINABLE AGRICULTURE	1 SCIENCE 1 ELECTIVE OR 1 CTE	* ½ LABORATORY SCIENCE	**3 CREDITS AGS 164 – PLANT GROWTH & DEVELOPMENT
<input type="checkbox"/>	AG221 – AG ENGINEERING & FABRICATION II	PROJECT DESIGN & FABRICATION	1 ELECTIVE OR 1 CTE CAN BE REPEATED FOR CREDIT		** 3 CREDITS WLD 101 – WELDING I
<input type="checkbox"/>	AG310 – AG BUSINESS AND MANAGEMENT- 1 YR	AG ECONOMICS & BUSINESS	½ ECONOMICS 1 ELECTIVE OR 1 CTE		**3 CREDITS AGB132 - AGRIBUSINESS
<input type="checkbox"/>	AG315-AGRICULTURE PROCESSING- 1 YR	“HANDS-ON” MEAT CUTTING	1 ELECTIVE OR 1 CTE CAN BE REPEATED FOR CREDIT		N/A

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

**Credit transferable to four-year universities based on articulation agreements with community college.



4 PLUS PLAN

Name _____ Date _____ ID # _____ Grad Yr. _____

CREDIT REQUIREMENTS

Alternate Means of Earning Credit: Summer school or online

	<i>Graduation 2023 and beyond*</i>	<i>In-State University</i>
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- | | |
|-----------------------------|-----------------------------|
| 4 – English | 4 – English |
| 3 – History/Social Sciences | 2 – History/Social Sciences |
| 4 – Math | 4 – Math |
| 3 – Science | 3 – Lab Sciences |
| 1 – P.E. | 1 – CTE/Fine Arts |
| 2 – CTE/Fine Arts | 2 – Foreign Language |
| 5 – Electives | |

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 1 / 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