



Agriculture, Engineering, Trade & Industrial Academy



**For a list of courses offered within each Program of Study see back of flyer.*

Is the Agricultural Program of Study for you?

Students in this Program of Study like to be outdoors, enjoy working with animals and plants, like to work with their hands, or have an interest in conservation. If you are interested in the living world and how everything we see, eat, do, and grow fits together, then this Program of Study is for you!

- Animal Behaviorist
- Animal Nutritionist
- Animal Scientist
- Environmental Scientist
- Environmental Technician
- Farm or Ranch Manager
- Food Processing Manager
- Game Warden
- Geneticist
- Landscaping
- Meat Scientist
- Park Ranger
- Veterinarian
- Wildlife Manager



Is one of the Engineering, Trade & Industrial Programs of Study for you?

Students in these Programs of Study are interested in building and planning for a new tomorrow. If you like to use your mind and hands together to change the world by identifying real world problems and working towards solutions to make our world a better place, then one of these Programs of Study is for you!

- Architecture & Design
- Auto Collision Repair
- Automation
- Automotive Technician
- Cabinet Maker
- Carpenter
- Construction
- Contractor
- Damage Appraiser
- Electrician
- Engineering
- Green Solutions
- Logistics
- Mechanic
- Pipefitter
- Refrigeration
- Robotics
- Welder





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Agriculture Program of Study

General

Advanced Animal Science	1.0
Ag Business, Sales & Marketing	1.0
AP Biology - Dual Credit	1.0
Conservation of Natural Resources	0.5
Equine Science	0.5

Food Science	0.5
Forest Management	0.5
Foundations of Agriculture, Trade & Industry	1.0
Foundations of Animal & Plant Science	1.0

Horticulture	1.0
Intro to Agriculture	1.0
Principles of Technology II	1.0
Small & Specialty Animals	0.5

Engineering, Trade & Industrial Programs of Study

CTE

Automotive Technology I	4.0
Auto Collision Technology I	4.0
Building Trades I	4.0
Mechatronics I	4.0
HVAC I	4.0
Welding I	4.0
<i>Additional 2.0 credits from PLTW or General Programs of Study</i>	
OR	
Automotive Technology I/II	8.0
Auto Collision Technology I/II	8.0
Building Trades I/II	8.0
HVAC I/II	8.0
Mechatronics I/II	8.0
Welding I/II	8.0

PLTW

Intro to Engineering Design	1.0
Principles of Engineering	1.0
Civil Engineering & Architecture	1.0
Engineering Design & Development	1.0
<i>Additional combination of 2.0 credits from CTE OR General Programs of Study OR the following courses:</i>	
AP Biology - Dual Credit	1.0
AP Calculus AB I	1.0
AP Calculus AB II - Dual Credit	1.0
AP Calculus BC - Dual Credit	1.0
AP Physics A - Dual Credit	1.0
AP Physics B - Dual Credit	1.0
AP Statistics - Dual Credit	1.0
Pre AP Chemistry	1.0

General

Electricity	0.5
Foundations of Agriculture, Trade & Industry	1.0
Metals Technology I	0.5
Metals Technology II	0.5
Principle of Technology II	1.0
Woodworking I	0.5
Woodworking II	0.5
<i>Credits accrued from CTE OR PLTW may be used as part of the 6.0 credits for the General Program of Study</i>	

***Students need 6.0 credits from a Program of Study to receive an Academy Endorsement**

..... **(573) 659-3018** Find complete Academy information at: **www.jcschools.us**