



McFarland High School

Career Technical Education Courses

2016-2017



Class of 2020!

Career Readiness

Three key components – MHS:

1. Academic skills – Common Core State Standards, A-G
2. Employability skills – Industry Partners
3. Technical skills – CTE Classes



What is CTE and Why Do We Need It?

CTE= Career Technical Education

- Needed for jobs in the 21st Century
- All Pathways provide:
- Field trips, job shadowing, college tours
 - Job opportunities
 - Dual enrollment credit (in progress)
 - internship opportunities
 - Leadership Skills
 - Communication, interview, and resume workshops
 - Student Organization that offer networking and competition opportunities

Needed for SUCCESS in the new economy!!!

Did you know you can take classes
in all of these areas?

1. Ag Business
2. Ag Welding
3. Digital Media Arts
4. Engineering Design
5. Child Development
6. Food & Nutrition
7. Supply Chain
Logistics

Agriculture Business



State & Local Production

Top Producing Ag States

1. CALIFORNIA
2. Iowa
3. Nebraska
4. Minnesota
5. Texas



Agriculture Business Pathway

Interested in.....

- Animals? Farming? Developing leadership skills?
Learning about international business and marketing?
- Careers as: Commodity Trader, Agricultural Production Specialist, Purchasing Manager, Financial Manager, Farm Owner and Manager, Wholesale/Retail Buyer, Manufacturing Manager



What You need to do high school:

2. Get Experience!

- Classes to Take Right Here on Campus:

Class 1 - Ag Earth
Science
- Intro. To
Business



Class 2 - Ag Biology
-Agriculture,
Environment,
and Society



Class 3 - Ag Leadership
-Ag Sales and
Communication



Class 4 - Ag
Government
- Ag Economics

What You need to do after high school:

1. Get additional training!

- Option A: 4 year degree

Universities In California: Fresno State, Cal Poly, UC Davis, etc.

CAL POLY
SAN LUIS OBISPO

College of Agriculture, Food
& Environmental Sciences

UC DAVIS
AGGIES



- Option B: Associates Degree from Bakersfield College, Reedley College

Welding Pathway

**Earn college credits at
MHS!**

**Graduate high school with
a job skills certificate!**

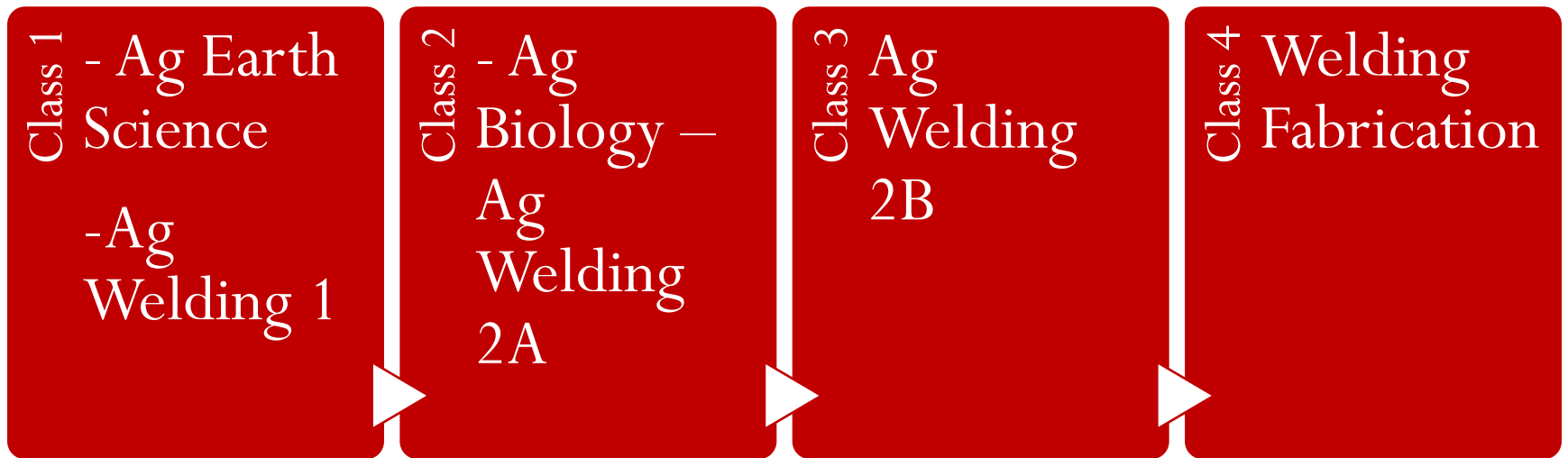


**Students
manufactured
their own
Barbecue Grill**

What You need to do high school:

2. Get Experience!

- Classes to Take Right Here on Campus:



Certificate Opportunities:

1. Structural Metal Arc Welding Job Skills Certificate
2. Blueprint Reading and Layout for Welders Jobs Skills Certificate
3. Gas Metal Arc/Gas Tungsten Arc Welding/Flux Core Arc Welding Job Skills Certificate

PERSONAL GROWTH



LEADERSHIP CONFERENCES



CAREER DEVELOPMENT

1. Digital Arts Media



Interested in.....

- Learning about the world of digital photography?
- Producing short films?
- Learning how to conduct on camera interviews?



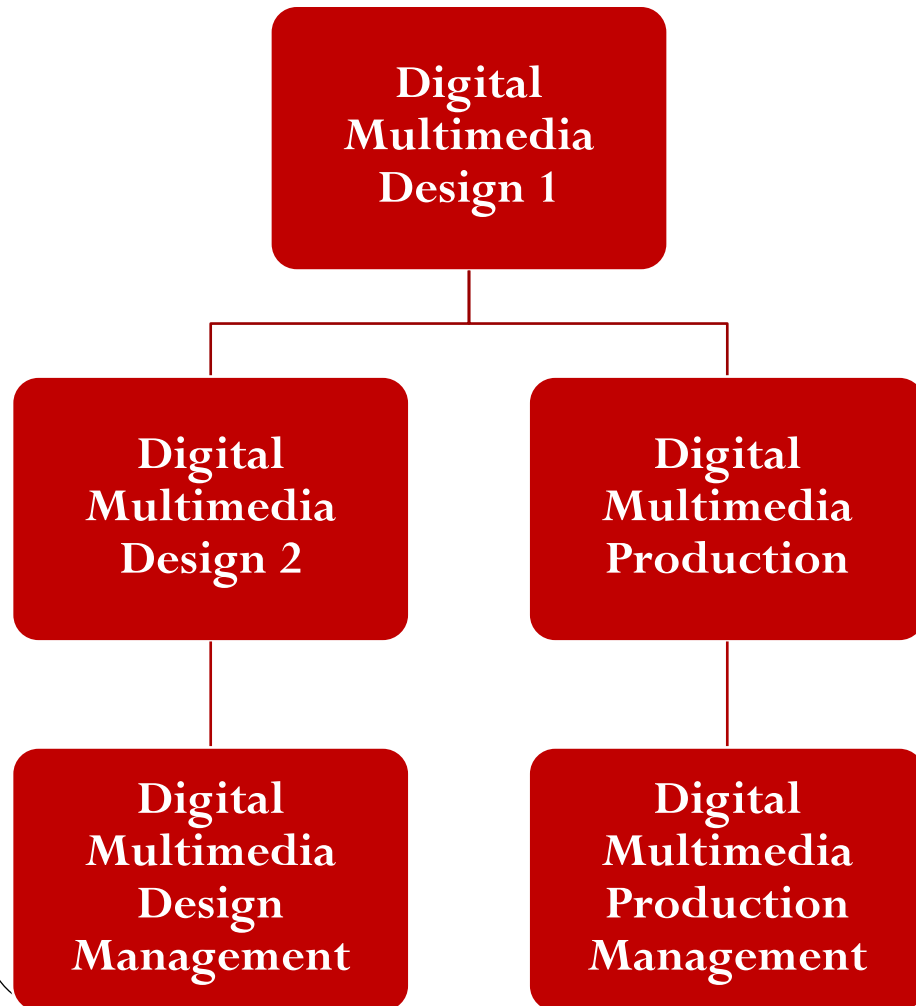
Careers in Digital Arts Media

Job Title	Hourly Wage	Annual Salary
Graphic designer	\$20.10	\$41,800
Multimedia Artist Animator	\$25.07	\$52,100
Photographer	\$14.20	\$29,500
Web Developer	\$30.02	\$62,400

What You need to do high school:

2. Get Experience!

- Classes to Take Right Here on Campus:



- Internship/ Offsite Experience:
 - Summer Internship Opportunities
 - Sports Broadcasting
 - Project Management
 - Leadership Development



What You need to do after high school:

1. Get additional training!

- Option A: 4 year degree

Universities In California: CSUs, UC, Private Schools, Art specific Schools

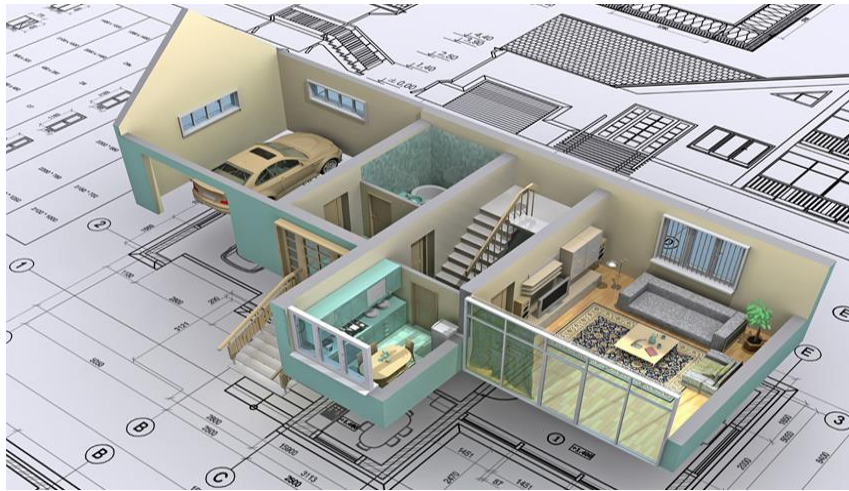


- Option B: Associates Degree

Engineering Design

Interested in.....

- Learning how to draw up your own house blueprint plans? Design buildings? Manufacturing products?
- Careers in Civil Engineering (buildings, roadways, structures), Construction, Computer Hardware, Architecture, Automotive, Working with Airplanes



Careers in Engineering

Job Title	Hourly Wage	Education Level
<u>Applications Software Developers</u>	\$43.87	Bachelor's degree
<u>Architectural and Engineering Managers</u>	\$62.94	Bachelor's degree
<u>Biomedical Engineers</u>	\$53.80	Bachelor's degree
<u>Computer Hardware Engineers</u>	\$46.40	Bachelor's degree
<u>Computer Systems Analysts</u>	\$41.36	Bachelor's degree
<u>Electrical and Electronics Drafters</u>	\$26.07	Associate's degree

Careers in Engineering

<u>Electrical Engineers</u>	\$42.60	Bachelor's degree
<u>Environmental Engineering Technicians</u>	\$23.10	Associate's degree
<u>Health and Safety Engineers</u>	\$41.65	Bachelor's degree
<u>Industrial Engineers</u>	\$39.81	Bachelor's degree
<u>Manufacturing Engineering Technologists</u>	\$29.11	Associate's degree
<u>Manufacturing Production Technicians</u>	\$29.11	Associate's degree
<u>Materials Engineers</u>	\$43.04	Bachelor's degree
<u>Mechanical Drafters</u>	\$26.94	Associate's degree
<u>Mechanical Engineers</u>	\$38.65	Bachelor's degree

What You need to do high school:

2. Get Experience!

- Classes to Take Right Here on Campus:

Class 1
Computer
Aided
Drafting
- Success
101

Class 2
Technical
Drafting

Class 3
Principles
of
Engineering
Design

Child Development and Nutrition Pathways

Interested in.....

- Learning how to cook? Understanding how children develop? Eating better for your body?
- Careers as: Nutritionist, Health Aide, Nurse, Chef, Food Product Developer, Marketing for the Food Industry



What You need to do high school:

2. Get Experience!

- Classes to Take Right Here on Campus:

Class 1
Consumer
and Family
Studies I
(Home
Economics)
- Success 101

Class 2
- Food and
Nutrition
Or
- Ind. Living
& Child
Development

Class 3
Nutritional
Science



Supply Chain Logistics Pathway

Interested in.....

- Learning the process a product goes through from the time it's made to when you buy it in the store?
Want to understand how all aspects of building a product work together?
- Careers as: Operations Clerk, Forklift Operator, Distribution Warehouse Operator, Warehouse Operations Manager, Distribution Center Supervisor



Logistics Pathway Industry Partners



ROSS
DRESS FOR LESS

Ross distribution center jobs

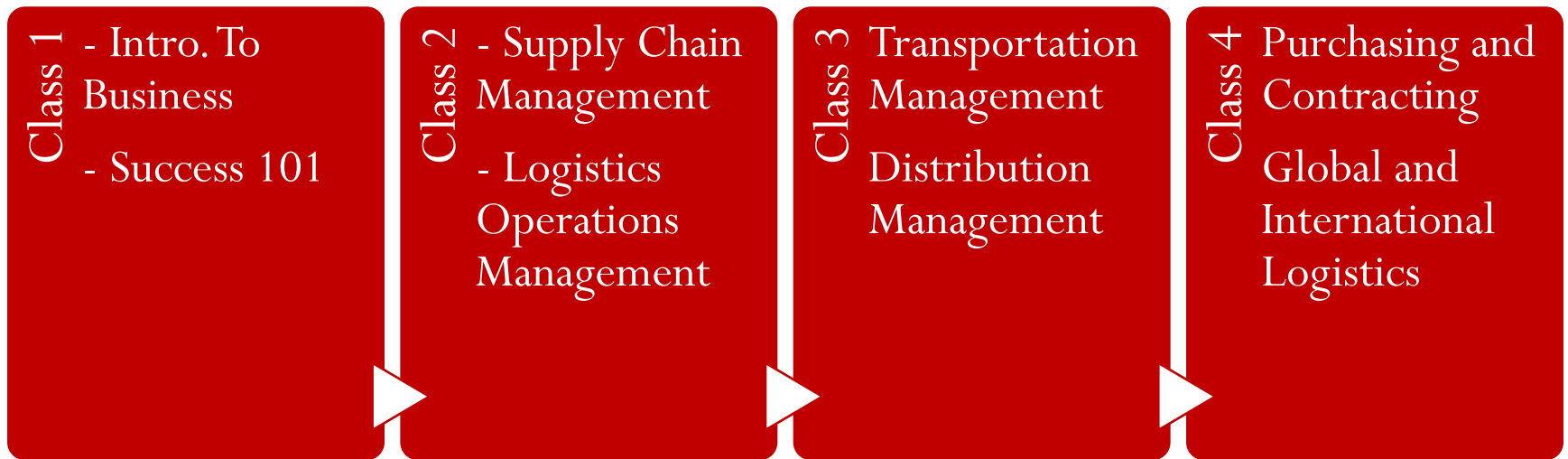


KERNE DC
KERN ECONOMIC DEVELOPMENT CORPORATION

What You need to do high school:

2. Get Experience!

- Classes to Take Right Here on Campus:



Certificate Opportunities:

- Job Skills Certificate
- Certificate of Achievement in Supply Chain Management
- 4 Year Degree in Business Administration, Supply Chain Concentration

Please go to the link below to take the 1 question survey:

<https://www.surveymonkey.com/r/SM2L2KY>