

Agri-Science Pathway

CTE Sector: Agriculture & Natural Resources—CTE Pathway: Agri-Science

Workplace Skills Development
Teachers infuse workplace skills throughout daily lessons.

- Teamwork
- Cooperation
- Problem Solving
- Locating Information
- Planning
- Conflict Resolution
- Communication

Extra Academic Instruction in:

MATH

- Volume
- Proportion
- Parts per million
- Shapes
- Square Footage

ENGLISH LANGUAGE ARTS

- Technical Writing

PHYSICS

- Pressure
- Mass
- Electricity

High School 9 -12 Grades

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**9th-11th Grade
Ag and Soil Chemistry**

- Physical and chemical nature of soil, plants, animals. Completion of Agriscience research project and soil management plan, using the content learned throughout the course.

**10th-12th Grade
Ag Systems Management**

- Use of course content and lab research to design experiments to solve current ag management issues. Final projects will be eligible for Career Development Event competition.

**10th-12th Grade
Food Science**

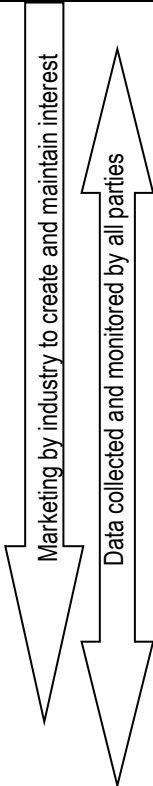
- The study of food from origins to consumption. Hands on learning of the food system including science, processing, packaging, regulations, and safety.

Industry and Postsecondary Education Connection

- Guest Speakers
- Industry/College Tours
- Resume Workshop
- Mock Interviews
- Employability Skills

- MJC instructors work with CUSD staff to insure continuity and equipment is up to date
- Classes are articulated into 2+2 classes to reduce time to complete certificate
- Students are required to apply for MJC program in last CUSD classes

**Nursery Production
Advisory Committee
Evaluation and
Improvement Process**



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Modesto Junior College
Courses leading to an A.S. Degree: Agricultural Sciences

<p><u>Required Courses</u></p> <p>ANSC 200 – Intro to Animal Science</p> <p>AGEC 210 - Elements of Agricultural Economics</p> <p>NR 200 – Soils</p> <p>PLSC 200 – Intro to Plant Science</p>	<p><u>Elective Courses:</u></p> <p>AGEC 200- Agricultural Accounting and Analysis.</p> <p>AGEC 225- Agriculture Computer Applications</p> <p>AGEC 280- Agricultural Sales and Service</p> <p>PLSC 250- Plant Nutrition and Fertilizer</p> <p>AGM 220– Industrial/Agricultural Machinery</p>
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**Degree/Transfer to 4 year University/Nursery Production/Certificate/
Employment**