

Floriculture/Plant Production Pathway (CVHS)

CTE Sector: Agriculture & Natural Resources

CTE Pathways: Ornamental Horticulture and Plant & Soil Science

Workplace Skills Development

Teachers infuse workplace skills throughout daily lessons.

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

Other Courses

- Intro to Ag
- Ag and Soil Chemistry
- Sustainable Ag Biology
- Ag Leadership

High School 9 -12 Grades

9th/10th Grade Intro to Plant Production and Greenhouse

- Reproducing house plants, providing fertilizer, pest control, marketing, and greenhouse operation with hands-on programs

10th Grade Introduction to Floriculture

- Basic Floral Design

11th/12th Grade ROP Plant Production

- Care and production of plants and flowers

12th Grade Advanced Floriculture

- Advanced Floral Design
- Sales and Services

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
- Instructors infuse life-skills into course curriculum, including the Standards for Career Ready Practice

Floriculture Pathway
Advisory Committee
Evaluation and
Improvement Process

Marketing by industry to create and maintain interest

Data collected and monitored by all parties

Modesto Junior College

Examples of Certificate/Degree courses in Ornamental Horticulture/Plant & Soil Science

A.S. Degree: Environmental Horticulture Science

AG 115- Introduction to Agricultural Education & Careers
AG 259A-C/D- Agricultural Work Experience
PLSC 200- Introduction to Plant Science
EHS 201- Plant Identification & Usage 1
EHS 202- Plant Identification & Usage 2
EHS 210- Introduction to Environmental Horticulture Science

Modesto Junior College's Program requires 6 units in Agriculture Science breath courses and 7 units in agriculture electives

Certificate of Achievement: Nursery Production

EHS 201- Plant Identification & Usage 1
EHS 202- Plant Identification & Usage 2
EHS 210- Introduction to Environmental Horticulture Science
EHS 235 Plant Propagation/Production
NR 200- Soils

Modesto Junior College's Program requires 6 units in agriculture electives

Degree/ Transfer to a 4 year University/Certificate/ Employment

Program of Study Worksheet

This Program of Study should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements.

Industry Sector: Agriculture & Natural Resources

Career Pathway: Plant and Soil Science Pathway - Central Valley High School

Program of Study: Plant Production

This Program of Study is a formalized Tech Prep articulated pathway Yes No

| LEVELS | GRADE | English/ Language Arts | Math | Science | Social Studies | Career Technical Education Courses | Other Required Courses or Recommended Electives | SAMPLE Occupations Relating to this Pathway |
|---|---------|--|---|---|--|--|--|---|
| SECONDARY | 9 | English 9 | Int. Mathematics I or Int. Accelerated Mathematics I | Physics of the Universe or Adv Phys. of the Universe | AP Human Geography | Intro to Ag | PE Foreign Language | Occupations requiring less than a Baccalaureate Degree -Landscape Contractor -Floral Designer -Park Ranger Aide Occupations requiring a Baccalaureate Degree -Greenhouse Manager -Nursery Manager |
| | 10 | English 10 | Int. Mathematics II or Int. Accelerated Mathematics II | Chemistry in the Earth Systems or Adv Chemistry in Earth Systems | World History or AP European History | Intro to Plant Production | PE Drivers Ed/Health Foreign Language | |
| | 11 | English 11 | Int. Mathematics III or Int. Acc. Mathematics III or AP Statistics | Biology of The Living Earth or AP Biology | U.S. History or AP U.S. History | Plant Production & Ag Landscape | Foreign Language | |
| | 12 | English 12 | Pre-Calculus or AP Calculus or AP Statistics | AP Physics or Anatomy Physiology | Principles of Democracy or AP Government or Economics | Plant Production & Ag Landscape | | |
| Sample of post-secondary courses at Modesto Junior College | | | | | | | | |
| POSTSECONDARY | Year 13 | <u>Certificate of Achievement: Nursery Production</u> | | | <u>A.S. Degree: Environmental Horticulture Science</u> | | | Industry recognized certification, licenses, or credentials related to this pathway -Commercial Floristry Tech -Landscape & Park Maintenance -Forestry -Recreation Land Management |
| | Year 14 | EHS 201- Plant Identification & Usage 1 | | | AG 115- Introduction to Agricultural Education & Careers | | | |
| | Year 15 | EHS 202- Plant Identification & Usage 2 | | | AG 259A-C/D- Agricultural Work Experience | | | |
| | Year 16 | EHS 210- Introduction to Environmental Horticulture Science | | | PLSC 200- Introduction to Plant Science | | | |
| | | EHS 235 Plant Propagation/Production | | | EHS 201- Plant Identification & Usage 1 | | | |
| | | NR 200– Soils | | | EHS 202- Plant Identification & Usage 2 | | | |
| | | | | | EHS 210- Introduction to Environmental Horticulture Science | | | |
| | | Modesto Junior College's Program requires 6 units in Agriculture Science breath courses and 7 units in agriculture electives | | | | | | |

