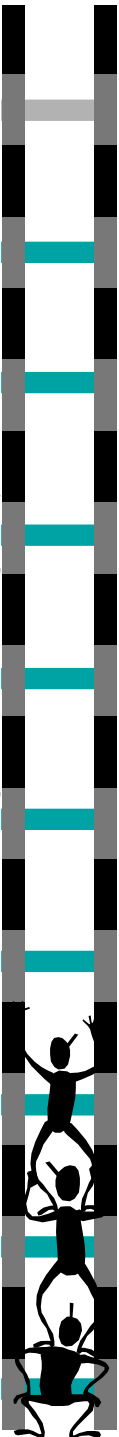


Working Your Way Up!



Related Occupations

Professional Positions

- ◆ Quality Control Manager
- ◆ Environmental and Safety Manager
- ◆ Product Designer
- ◆ Manufacturing Engineer
- ◆ Construction Manager
- ◆ Building Instructor
- ◆ Architect
- ◆ Engineer
- ◆ Designer
- ◆ Building Trades Instructor
- ◆ Construction Manager

Technical Positions

- ◆ Electronic Technician
- ◆ Maintenance Supervisor
- ◆ Heating/Ventilation/AC (HVAC) Technician
- ◆ Environmental Materials Technician
- ◆ Electrician
- ◆ Construction Supervisor
- ◆ Computerized Numerical Control Tech
- ◆ CAD Technician
- ◆ Cabinetmaking Journeyman
- ◆ Production Manager
- ◆ Iron Worker
- ◆ Heavy Construction Journeyman
- ◆ Plumber
- ◆ Contractor

Entry Level Positions

- ◆ Carpenter Apprentice
- ◆ Cabinetmaking Apprentice
- ◆ Machine Operator
- ◆ Draftsman
- ◆ Electrical Repair Person
- ◆ Electronic Equipment Installer
- ◆ Maintenance Technician
- ◆ Laborer

Merced County Office of Education

Merced Educational Center

1850 Wardrobe Avenue
Room 14
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MERCED COUNTY OFFICE OF EDUCATION
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Merced County Regional Occupational Program

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Email: drobles@mcoe.org

Website: <http://rop.mercedlearn.org/adult>

CONSTRUCTION TECHNOLOGY FOR ADULTS



Merced County Regional Occupational Program



Course Description

The Construction Technology course is designed to provide students with the opportunity to train in the field of Construction Trades, and to obtain specific technical skills necessary for both new construction and remodeling projects. Included in this course are classroom and work-based learning experiences related to: 1) safety, 2) trade vocabulary, 3) construction related mathematics and communication skills, 4) blueprint reading, 5) building codes, 6) construction processes related to planning, layout, materials, assembling and finishing, 7) rough and finished carpentry standards, 8) building standards for residential and commercial construction, 9) construction materials, tools, and equipment, 10) career opportunities.

Students will learn:

- ◆ Rough and Finish Carpentry
- ◆ Concrete
- ◆ Plumbing
- ◆ Electrical
- ◆ Drywall and Painting
- ◆ Cabinetry
- ◆ Masonry
- ◆ Tile setting
- ◆ Building and Grounds Maintenance

Course instruction will allow students to:

- ◆ Secure entry-level employment in the construction industry
- ◆ Upgrade skills
- ◆ Enter advanced career technical training
- ◆ Pursue college related courses

Key instructional methods include:

- ◆ Project based learning assignments directly related to the construction technology field.
- ◆ Internship—Job Search
- ◆ 26 week program—32 hours per week

Topics of Study

- ◆ Safety
- ◆ Trade vocabulary
- ◆ Construction related mathematics and communication skills
- ◆ Blueprint reading
- ◆ Building codes
- ◆ Construction processes related to planning, layout, materials, assembling and finishing
- ◆ Rough and finished carpentry standards
- ◆ Building standards for residential and commercial construction
- ◆ Construction materials, tools, and equipment
- ◆ Career opportunities

Is Construction Technology for you?

Do you:

- ◆ enjoy building things?
- ◆ like working with your hands?
- ◆ enjoy working with tools?
- ◆ have an interest in applied mathematics?
- ◆ like working with people?
- ◆ like to solve problems?



What is Merced County ROP?

ROP stands for Regional Occupational Program. ROP provides occupational training courses directly related to a student's career interest area.

Philosophy

Merced County ROP delivers innovative educational programs to high school and adult students in preparation for 21st century careers, higher education and life-long learning.

ROP Goals

- ◆ Develop academic, technical, and Interpersonal skills
- ◆ Secure employment
- ◆ Upgrade skills
- ◆ Enter advanced career-technical training
- ◆ Pursue college related courses

Standards for Career Ready Practices

- ◆ Apply appropriate technical skills and academic knowledge.
- ◆ Communicate clearly, effectively, and with reason.
- ◆ Develop an education and career plan aligned with personal goals.
- ◆ Apply technology to enhance productivity.
- ◆ Utilize critical thinking to make sense of problems and persevere in solving them.
- ◆ Practice personal health and understand financial literacy.
- ◆ Act as a responsible citizen in the workplace and the community.
- ◆ Model integrity, ethical leadership, and effective management.
- ◆ Work productively in teams while integrating cultural and global competence.
- ◆ Demonstrate creativity and innovation.
- ◆ Employ valid and reliable research strategies.
- ◆ Understand the environmental, social, and economic impacts of decisions.