

CAREER ADVANCEMENT ACADEMIES – LANEY COLLEGE
Model Modular Contextualized Curriculum for Wood Technology

- A. Introductory module (6 units total +2 units of laboratory)
 - 1. Machines, Tool Introduction and shop safety
 - 2. Workplace Language (contextualized)
 - 3. Shop Mathematics (contextualized)

- B. Shop documents and Machining processes (6 units total +2 units of laboratory)
 - 1. Blueprint reading, drafting, workflow analysis, procedures and techniques
 - 2. Soft skills, Computer skills, workplace communication
 - 3. Geometry, Algebra, advanced measuring (contextualized)

- C. Fabrication and manufacturing techniques (6 units total +2 units of laboratory)
 - 1. Team/peer led projects. (Planning, materials, layout, machining plans, assembly, hardware, finishing)
 - 2. Customer service and professionalism; business practices
 - 3. CAD CAM Introduction

- D. Practicum (Internships and /or Cooperative in house laboratory)
 - 1. Multiphase production techniques; project and production team management
 - 2. Advanced software applications; Reading and writing lab for WDTEC
 - 3. CAD CAM advanced, including CNC manufacturing

Considerations:

Contextualize all classes to the trade.

Make at least the first module bilingual (Spanish/English).

Team-teach as much as possible.

Encourage computer and English literacy throughout the program

Work in teams for peer learning.

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