

# Career Pathway Project in Manufacturing

## Brady Simmons

[Brady\\_simmons@ecboe.org](mailto:Brady_simmons@ecboe.org)

Welcome to the Career Pathway Project in Manufacturing course. Below you will find all the necessary information you need to succeed in this course.

### Course Description:

The Career Pathway Project in Manufacturing course is designed to provide students with a comprehensive understanding of manufacturing processes and prepare them for careers in the manufacturing industry. Throughout the course, students will engage in hands-on activities, projects, and discussions to develop their skills in areas such as production planning, quality control, safety standards, and problem-solving. By the end of the course, students will have gained the knowledge and practical experience required to pursue further education or enter the workforce in the manufacturing field.

### Course Objectives:

- Develop a fundamental understanding of manufacturing processes and materials
- Apply mathematical and scientific principles to solve manufacturing problems
- Demonstrate proficiency in using manufacturing tools and equipment
- Understand and implement quality control measures in the manufacturing process
- Collaborate effectively with team members to complete manufacturing projects
- Analyze and evaluate manufacturing systems and processes for efficiency and effectiveness

### Required Materials:

- Safety goggles and appropriate clothing for laboratory experiments including closed toed shoes.
- Calculator
- Notebooks and pencil for notes and tests
- 80\$ Shop Fee (Student will not enter lab if shop fee is not paid. If cannot be paid, please contact instructor)

### Grading Policy:

Daily participation grades will be the primary basis for evaluation in this course. Active engagement in class discussions, completion of assigned tasks, test grades, and adherence to safety guidelines will contribute to the overall grade. Make sure you actively engage in class discussions, ask questions, and complete all assigned tasks to receive full credit. Your enthusiasm and commitment will contribute to your overall success in this course. Attendance and punctuality will also be taken into consideration.

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## **Course Class Policies and Expectations:**

To ensure a safe and productive learning environment, students are expected to:

Follow all safety rules and guidelines in the lab.

- Wear appropriate clothing and protective gear during lab sessions.
- Respect the equipment and materials provided.
- Respect the instructor and fellow classmates
- Attend all classes regularly and be on time.
- Submit assignments on time and complete them to the best of your ability.
- Actively participate in class activities and discussions
- Maintain a clean and organized workspace
- Respect the opinions and ideas of classmates.
- Seek help or clarification from the instructor when needed.
- Come to class prepared with materials and completed assignments.

We look forward to an exciting and enriching learning journey with you! Good luck. If you have any questions or concerns regarding the course, please feel free to reach out to the instructor.