

# Jane Corsair

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## EDUCATION

**Santa Monica College**, Santa Monica, California

GPA: 3.5

Transfer Major: Biotechnology

Transferring: Fall 2025

- Campus Involvement: STEM Program, Biotechnology Student Club
- Relevant Coursework: Fundamentals of Biotechnology 1; Elementary Statistics; General Chemistry

## SKILLS

**Biotech Equipment and Procedures:** Pipetting; Gel Electrophoresis; Lab Safety and Hazardous Materials; Western Blot Transfer; Calculating and Preparing Solutions and Mixtures; Polymerase Chain Reaction (PCR) Amplification of DNA; Gene Mapping; Scientific Technical Writing and Protocols; Data Presentation; Metric System and Measurements; Bacterial Transformations and Sterile Techniques; Staining and Media Preparation; Lab Safety and Equipment (Compound Microscopes, Volumetric Glassware, Electronic Balance); Ethical Standards; Quality Assurance

**Software Skills:** Microsoft Office Suite (Word, Excel, PowerPoint, Outlook); Google Workspace (Docs, Sheets)

## TRAININGS AND CERTIFICATES

**Drug Discovery**, Coursera

December 2023

## LAB EXPERIENCE

**Fundamentals of Biotechnology I**

February 2024 – Present

Santa Monica College, Santa Monica, California

- Performed techniques involving conducting measurements, manipulating DNA, and documenting data through scientific laboratory record keeping
- Prepared buffers, stock solutions, and reagents
- Outlined the ethical implications of biotechnology

**Lab Assistant Student Worker**

August 2023 – Present

Life Science Department, Santa Monica College, Santa Monica, California

- Prepare and properly dispose of media and cell samples used in microbiology and botany courses, set up 25 high power microscopes and lab manuals for marine biology courses as well as organize anatomy models and cadavers in conjunction with course lectures and under the direction of 3 lab technicians
- Utilize autoclave machine to clean and sanitize petri dishes and volumetric glassware
- Feed approximately 4 sea stars, 3 crabs, and 10 sea urchins as well as clean and maintain their tanks
- Inventory and restock lab materials including gloves, pipettes, test tubes, beakers, petri dishes, and sterilized water
- Measure and prepare 60 Tryptic Soy, 60 Eosin-Methylene Blue, and 60 Mannitol Salt agar test tubes per day
- Conduct yearly maintenance checks of approximately 30 high power microscopes and report any issues to supervisor for repair

**General Chemistry**

February 2023 – June 2023

Santa Monica College, Santa Monica, California

- Used Microsoft Excel to calculate and analyze chemistry data collected during lab experiments
- Created scattered and line graphs in Microsoft Excel to illustrate temperature versus time for solvents and solutions
- Calculated density, mass, and volume of liquids, solids, and gasses
- Analyzed chemical reactions and documented data in lab reports
- Performed titrations to identify the amounts of a reaction in a solution

## LEADERSHIP EXPERIENCE

**Club President**

August 2023 – Present

Biotech Association Student Club, Santa Monica College, Santa Monica, California

- Oversee, delegate, and distribute board member responsibilities and tasks
- Set and moderate attainable goals for the club each semester, based on membership feedback and needs
- Develop the overall budget of the club and relay information to assign board members such as the treasurer and faculty advisor
- Plan and organize weekly club and board member meetings, including developing and implementing the agenda with the club Vice President