

Career Exploration in Bioscience (BTEC 15)
City College of San Francisco Biotechnology Program

Circle all that interest you (feel free to add your own!)

Biotechnology Job Categories

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| <ol style="list-style-type: none">1. Animal Caretaker2. Animal Technician3. Bioinformatics Specialist4. Clinical Research Associate5. Documentation Coordinator6. Forensic DNA Analyst Technician7. Greenhouse and Field Worker8. Health and Safety Specialist9. Instrumentation/Calibration Technician10. Laboratory Assistant11. Laboratory Automation Specialist12. Laboratory Support Worker13. Laboratory Technician14. Manufacturing Assistant15. Manufacturing Technician16. Material Handler17. Quality Assurance Specialist18. Quality Control Technician19. Research Associate20. Sales Representative21. Scientist22. Technical Service Representative | <ol style="list-style-type: none">6. Biomanufacturing7. Biomaterials8. Biopharmaceuticals9. Bioprocessing10. Biotechnology11. Cell culture12. Conservation biology13. Cosmetics14. Documentation15. Drug discovery16. Education17. Environmental monitoring18. Food Safety19. Forensics20. Genomics21. Immunochemistry22. Lab Safety23. Marine biotechnology24. Media and Solution preparation25. Medical devices26. Medical diagnostics27. Molecular biology28. Natural products29. Nutraceuticals30. Plant biotechnology31. Protein purification32. Quality control33. Specialty chemicals34. Synthetic biology35. Vaccines36. Water quality |
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Biotechnology Job Areas

1. Agricultural biotechnology
2. Animal biotechnology
3. Aquaculture
4. Biodefense
5. Biofuels

Potential Areas of Interest

- | | |
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| <ol style="list-style-type: none">1. ADHD2. Alzheimer's3. Antibody Research for Viral Diseases: Ebola4. Arthritis5. Asthma6. Autism Spectrum Disorder (ASD)7. Avian Influenza | <ol style="list-style-type: none">8. Beta Thalessemia9. Biofuel10. Birth Defects11. Breast Cancer12. Cardiovascular Disease13. Cancer14. Cancer and Heredity15. Cancer Therapies using Antibodies16. Chlamydia |
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17. Chronic Fatigue Syndrome
18. Clinical Lab Science
19. Colorectal Cancer
20. Diabetes
21. DNA repair and Cancer
22. Environmental Monitoring
23. Epilepsy
24. Fetal Alcohol Syndrome
25. Flu (Influenza)
26. Fracking and Groundwater Contamination
27. Herpes
28. Genome Editing/CRISPR
29. Heart Disease
30. Hepatitis
31. HIV/AIDS
32. Human Papillomavirus (HPV)
33. Hypertension
34. Infectious diseases (Ebola, Zika, etc)
35. Kidney Disease
36. Medical Marijuana
37. Meningitis
38. MRSA
39. Neuroscience
40. Osteoporosis
41. Obesity
42. Parasites
43. Parkinson's
44. Salmonella
45. Sexually Transmitted Diseases
46. Stem Cells/Stem Cell therapy
47. Stress and disease
48. Stroke
49. Telomeres and aging
50. Traumatic Brain Injury (TBI)
51. Trichomoniasis
52. Tuberculosis (TB)
53. Water-related Diseases
54. Genetic disorders
55. Food Borne Illness
56. Therapies for autoimmune diseases
57. Waste water treatment
58. Drug manufacturing
59. Food manufacturing
60. 3D Cell culture modeling
61. Probiotics
62. Microbiome
63. Vaccine development
64. Bioweapons
65. Biopesticides
66. Regenerative medicine
67. Fermentation of wine
68. Cloning of animals
69. Organ transplants
70. Genetic testing (Birth defects, cancer, disease)
71. Carcinogens
72. Leukemia
73. Nanotechnology
74. Immune Disorders
75. Crop Genetic Engineering
76. Telomeres & Aging
77. Carbon Sequestration
78. Microfluidics
79. Synthetic Biology
80. Epigenetics
81. Synthetic Biology
82. Biosimilars
83. Personalized medicine

List 3 areas of biotech jobs &/or areas of interest that you're interested in. Briefly explain why each area/topic interests you:

1.

2.

3.