Advancing San Diego

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Skills Criteria: Preferred Providers of Life Sciences Talent

Below is a skills-based criteria for entry-level Lab technicians / Research Assistants, developed by Life Sciences employers as part of Advancing San Diego. Education programs providing training for these skills may apply for designation as a Preferred Provider of Life Sciences Talent through the Advancing San Diego initiative. Applicants provide examples of courses in their programs that teach to each required skill.

Technical Skill Requirements	Skill Ranking
Area 1: Lab Skills	
Lab equipment - Able to monitor operations including routine operation, maintenance and troubleshooting of a variety of lab equipment	Required
Sterile techniques - Able to perform sterile techniques	Required
Computers - Familiar with computer hardware and software	Required
QA/QC - Well-versed on quality assurance and quality control fundamentals	Required
Media prep - Willing to perform routine media prep tasks	Required
SOP - Able to diligently follow Standard Operating Procedures (SOP) and workflows	Required
Supply chain - Able to manage an inventory & a supply chain	Preferred
Imaging - Comfortable using microscopes and related imaging software	Preferred
Area 2: Information and Data Processing	
Information handling - Capable of information collection and documentation	Required
Microsoft - Proficient in Microsoft suite (Word, PowerPoint, Exel, Project, Access, etc.)	Required
Database software - Comfortable maintaining, managing, and reporting data using software	Required
Labeling - Proficient in labeling	Required
Area 3: Research and Development	
EHS - Able to adhere to company, local, and state environmental health and safety requirements	Required
Separation - Able to perform separation techniques	Required
Microbiology - Able to perform microbiology techniques	Required
Cell bio - Able to perform cell bio techniques	Required
Nucleic acid - Able to perform nucleic acid techniques	Preferred
Protein - Able to perform protein techniques	Preferred
Area 4: Bioscience fundamentals (has completed coursework in...)	
Basic Biochemistry	Required
Ethics	Required
Bioprocessing	Preferred
Genetic Engineering	Preferred
Bioinformatics	Preferred

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Employability Skill Requirement	Skill Ranking
Active listening and learning	Required
Attention to detail	Required
Collaboration	Required
Communication (written and verbal)	Required
Confidentiality	Required
Critical Thinking	Required
Culture	Required
Dependability	Required
Emotional Intelligence	Required
Motivation	Required
Reading Comprehension	Required
Resourcefulness	Required
Responsible	Required
Teamwork	Required
Time Management	Required
Adaptability	Preferred
Organization	Preferred
Problem solving skills	Preferred
Independent worker	Preferred
Leadership	Preferred

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Preferred Provider (full) application
or Submit your application online