Massachusetts
LIFE SCIENCES CENTER

INTERNSHIP CHALLENGE

Example Skills Sought by Host Companies

Please note that these are examples and not intended to be exhaustive.

Biotechnology, Biology, and Chemistry

Lab safety	Western Blot	AKTA + FPLC	Biomarker screening
Teamwork/communication	Cell Culture	HPLC	Biosafety cabinet
Literature research	Gene Cloning	Gas Chromatography	Assay development
Time management	Cell lysate prep	LC/MS	UV/vis spectroscopy
Solutions Preparation	Aseptic technique	qPCR	Strategic thinking
Microscopy	Nanoparticle prep	Centrifugation	Assay development
Lab math	PCR	*Computational*	*Administrative*
Knowledge Areas	DNA/protein gels	Bioinformatics	Documentation
Drug development	Protein purification	Databases	Scientific Writing
Genetic engineering	ELISA	Computational methods	LIMS

Engineering, Computer Science, and Math

Computer/Data Science		*Engineering*	
Python | R	Scripting Langs. & Tools	3D Modeling	MATLAB
Computer Simulation	SAAS	Electronics	Mechanical Systems
Digital Signal Processing	RFID	CNC	Rapid Prototyping
Debugging Software	Software Testing	Device Prototyping	SolidWorks
Website and App Development	Semantic Analytics	Electronic Systems	Product Testing
Embedded Computing	Linux	LabView	CAD/CAM
Java	Visualization	Machine Shop	Material Sciences
SPSS	Data Analytics	Data Entry	
Finite Element Analysis	Mathematical Modeling	Statistics	

Business

General Business Functions			*Finance/Accounting*
Account Management	CRM	ID Potential Clients	Market Research
Business Development	Case Studies	Lead Generation	Competitor Analysis
Commercialization	Database Management	Product Development	Financial Modeling
Operations	Deal Sourcing	Supply Chain	Financial Operations
Marketing			Investor Relations
Blogging	Graphic Design	Social Media	ERP Software
Company Branding	Media Relations	Word Press	Sales
Conference and Trade Shows	Event Planning	Web Development	Fundraising Preparation
Mobile Apps	Promotion & Advertising	Press Releases	Due Diligence

Other Skills

Legal	*General*		
Intellectual Property	Administrative	Microsoft Office	Presentation

For more information, and to apply: www.masslifesciences.com/programs/internship
Contact: internship@masslifesciences.com