

PREPARING STUDENTS FOR BIOTECHNOLOGY CAREERS

IDENTIFYING FUTURE SKILLSETS



ANALYTICAL SKILLS

COMMUNICATIONS * CRITICAL THINKING
PROBLEM SOLVING * DATA ANALYSIS

DETAIL ORIENTED

NOTICES MISTAKES AND CORRECTS THEM *
ON TASK * ORGANIZED * PUNCTUAL *
FOLLOWS A ROUTINE



PROJECT PLANNING

SETTING MEASUREABLE OBJECTIVES *
* IDENTIFYING DELIVERABLES * SCHEDULING *
PLANNING TASKS

RESEARCH SKILLS

SELECTING AND EVALUATING INFORMATION *
EMPHASIZING RELEVANT INFORMATION *
TAILOR RESEARCH TO INTENDED AUDIENCE



TIME MANAGEMENT

CREATE A ROUTINE * LIMIT POTENTIAL
DISTRACTIONS * RECORD ALL DUE DATES * SET
GOALS * TAKE NOTES AT ALL TIMES

TEAM WORK

COLLABORATION * DECISION MAKING *
GROWTH MINDSET * EMOTIONAL INTELLIGENCE



FOR INSTRUCTIONAL
INFORMATION VISIT:

TECHNICAL SKILLS FOR BIOTECHNOLOGY CAREERS

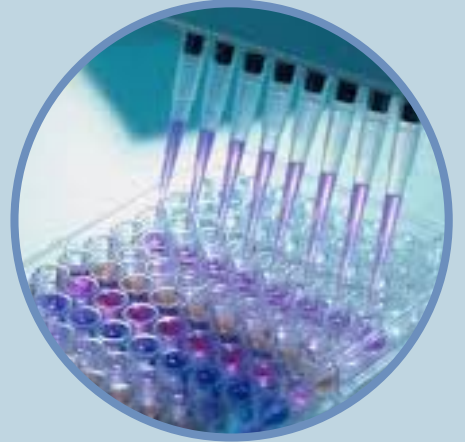
DIGITAL SKILLS

USE OF DIGITAL DEVICES FOR
COMMUNICATION APPLICATIONS
ACCESSING AND MANAGING INFORMATION



BASIC LAB SKILLS

SAFETY * ACCURATE RECORD KEEPING *
DATA ENTRY * SAMPLING INTEGRITY *
FOLLOWING STANDARD OPERATING PROCEDURES



TISSUE CULTURING

BASIC SKILLS * FOLLOWING PROTOCOLS *
MAINTAINING STERILITY * SAMPLING INTEGRITY *
RECORD KEEPING



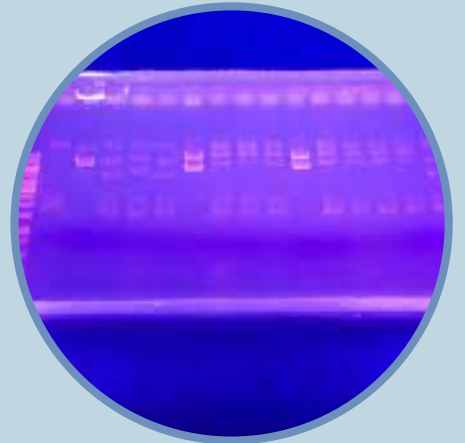
PCR TESTING

SAMPLE COLLECTION AND PROCESSING *
EQUIPMENT OPERATION * DATA ANALYSIS *
RECORD KEEPING



GEL ELECTROPHORESIS

MATERIAL PREPARATIONS * EQUIPMENT USE *
SAMPLE PREPARATIONS * LOADING AND RUNNING GELS *
EQUIPMENT OPERATIONS



ELISA TESTING

MEASURING SAMPLES * MIXING BUFFERS *
ASPIRATING * PIPETTING * CENTRIFUGING *
ALIQUATING * CLARIFYING

