

# BACE

Biotechnician  
Assistant  
Credentialing  
Exam



## EXAM SPECIFICATIONS FOR COMPUTER-BASED TESTING

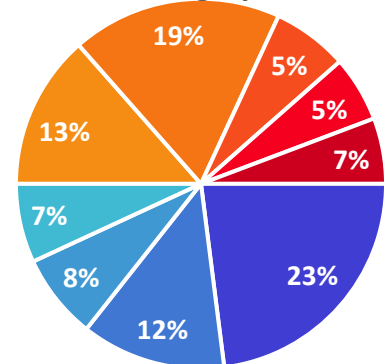
The Biotechnician Assistant Credentialing Exam (BACE) consists of both a Practical and Knowledge portion. Candidates take both portions, which cover nine categories, in one session. Candidates must score 80% or above to pass the BACE. Candidates may take the BACE a maximum of three times within a year, with a 20-day waiting period between attempts. **The Computer-Based Testing Option must be administered at an Exam Site with live proctors.** The exam is taken in a computer lab or a standard classroom.

The following descriptions for each portion include the total questions per portion, categories covered, questions per category, points per category, and total points per portion. **The exam is closed book with a duration of 4 hours.**

BACE Knowledge Portion		
Category	Questions	Points
General Topics in Biotechnology	16	21
Technical Skills & Applications	28	31
Biochemistry/Chemistry	9	9
Biological Systems	8	9
Workplace Safety & Behavior	9	12
<b>Total</b>	<b>70</b>	<b>82</b>

BACE Practical Portion		
Category	Questions	Points
Biotechnology Skills	25	38
Applied Mathematics	11	19
Laboratory Equipment	14	13
Research & Scientific Method	12	12
<b>Total</b>	<b>62</b>	<b>82</b>

Distribution of Points per Category



- General Topics in Biotechnology
- Technical Skills & Applications
- Biochemistry/Chemistry
- Biological Systems
- Workplace Safety & Behavior
- Biotechnology Skills
- Applied Mathematics
- Laboratory Equipment
- Research & Scientific Method

### The following are suggested study references:

- Brown, J. Kirk. Biotechnology: A Laboratory Skills Course (Second Ed.). Hercules, CA: Bio-Rad Laboratories, Inc., 2018.
- Daugherty, Elyn. Biotechnology: Laboratory Manual (Second Ed.). St. Paul, MN: Paradigm Publishing, Inc., 2017.
- Daugherty, Elyn. Biotechnology: Science for the New Millennium (Second Ed.). St. Paul, MN: Paradigm Publishing, Inc., 2017.
- Seidman, Lisa. Basic Laboratory Methods for Biotechnology: Textbook and Laboratory Reference (Third Ed.). Boca Raton, FL: CRC Press, 2021.