

BACE

Biotechnician
Assistant
Credentialing
Exam

**Live
Testing
Option**

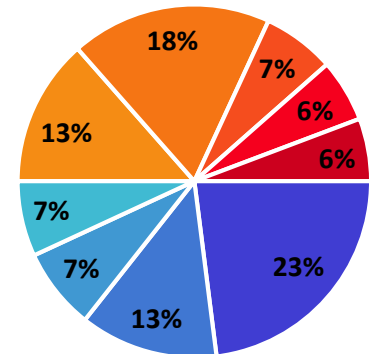
Exam Specifications

The Biotechnician Assistant Credentialing Exam (BACE) consists of two exam portions, the Knowledge Exam and the Practical Exam, which cover nine core biotechnology categories. The following descriptions for each portion include the exam duration, questions per exam, categories covered, questions per category, and points per category.

BACE Knowledge Exam		
Format:	Closed Book	
Exam Duration:	3 Hours	
Category	Questions	Points
General Topics in Biotechnology	21	23.5
Laboratory Skills/Applications	28	32
Biochemistry/Chemistry	10	11.5
Biological Systems	10	10
Workplace Safety & Behavior	10	10
Total	79	87

BACE Practical Exam		
Format:	Closed Book	
Exam Duration:	4 Hours	
Category	Questions	Points
Biotechnology Skills	19	40
Applied Mathematics	11	22
Laboratory Equipment	16	13
Research & Scientific Method	12	12
Total	58	87

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

The following are suggested study references:

- Brown, J. Kirk. Biotechnology: A Laboratory Skills Course (Second Ed.). Hercules, CA: Bio-Rad Laboratories, Inc., 2018.
- Daugherty, Ellyn. Biotechnology: Laboratory Manual (Second Ed.). St. Paul, MN: Paradigm Publishing, Inc., 2017.
- Daugherty, Ellyn. Biotechnology: Science for the New Millennium (Second Ed.). St. Paul, MN: Paradigm Publishing, Inc., 2017.

Exam Administration: The Live Testing Option is administered at an Exam Site. The Knowledge Exam is taken in a computer lab. The Practical Exam is taken in a science lab. Please refer to the [Candidate Information Bulletin](#) for details.

Score Policy: Candidates must score 80% or above to pass the BACE. A candidate's score is determined by averaging the highest grade of the Knowledge Exam and the highest grade of the Practical Exam.

Retake Policy: Candidates may take each BACE exam portion a maximum of three times within a year, with a 20-day waiting period between attempts. Candidate are permitted to retake a single portion of the BACE.