

BACE

Biotechnician
Assistant
Credentialing
Exam

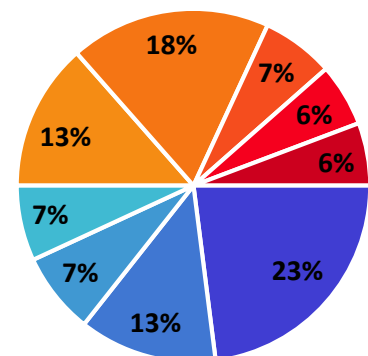


Exam Specifications

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	33	27
Technical Skills/Applications	52	35.5
Biochemistry/Chemistry	17	13
Biological Systems	13	12
Workplace Safety & Behavior	16	12.5
Total	131	100

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

BACE Practical Exam		
Format:	Closed Book	
Exam Duration:	4 Hours	
Category	Questions	Points
Biotechnology Skills	38	46.5
Applied Mathematics	15	25
Laboratory Equipment	20	14
Research & Scientific Method	16	14.5
Total	89	100

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 Remote Testing Option for the BACE is available until July 15, 2022. Both portions are computer-based and remotely proctored. Please refer to the [Candidate Information Bulletin](#) for details and technical requirements.

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.