

PhD Qualifying Examination and Mentoring-Committee Rubric – for all Committee Members

The chair will collect completed rubrics from all committee members in order to submit combined feedback in the final [Qualtrics rubric](#).

The final [Qualtrics rubric](#) will be filled out by the chair at the conclusion of Qualifying Exam Discussion.

Student Name:

Committee Member:

Committee Chair:

Common Breadth of Biomedical Engineering Knowledge (review student self-evaluation on Cover Sheet):

	Appropriate	Needs Discussion	Comments (if needed)
Cell biology, Biochemistry, Anatomy, and/or Physiology			
Programming			
Signal Processing			
Numerical Computation			
Experimental Design and Statistics			
Data Science (including aspects of Open-Science)			
Engineering Design			
Biomedical Engineering Ethics and Professionalism			

QUAL ONLY - Expectations for Qualifying Exam:

	Exceeds Expectations	Meets Expectations	Improvements Needed	Fails to Meet Minimal Expectations
<u>WRITTEN EXAM</u>				
Critical analysis and synthesis of literature				
Gap or needs identification				
Development of a significant and specific research question with a testable hypothesis to address the gap/need				
Appropriate and realistic experimental design to test the hypothesis (in the form of a <i>Research Strategy</i> - not to level of thesis Specific Aims)				
Consideration of caveats, potential problems, and alternative approaches				
Ethical Considerations in the Conduct of Research				
Appropriate Timeline proposed				
Written Technical and Scientific Communication				
<u>ORAL EXAM</u>				
Oral Technical and Scientific Communication				
<u>RESEARCH PROGRESS</u>				
Technical depth in fundamental principles in student's research area				
Critical analysis and interpretation of data				
Appropriate level of independence				

Do you have concerns about plagiarism in the Written Document?

____ No concerns; ____ Minor concerns (needs more guidance); ____ Multiple concerns (meeting needed)

CHAIR ONLY (Chair will need to report this on the student's assessment):

Date of Screening:

Similarity Index (in %):

ORAL EXAM DISCUSSION

Has IDP been provided and discussed with committee (Y/N):

Comments/Suggestions (if any):

Career Path Options discussed: Academic; Industry; Clinical; Global Health; Other

Was POS Discussed (Y/N):

Comments/Suggestions (e.g., additional useful courses):

Strengths of Student:

Areas for Improvement/Growth:

Technical:

Professional Development:

Any Additional Suggestions for Training Plan/Networking:

*****QUAL ONLY*****

Qualifying Exam Outcome Recommendation:

☐ Pass

☐ Provisional Pass (issues in no more than one area):

☐ Written document revision required (within 3 weeks)

☐ Oral Exam needs to be repeated (within 2 months, based on same document)

☐ No Pass (both components must be repeated by the next spring or fall semester)

☐ Fail (did not pass 2nd attempt)

Next Committee Meeting Recommendation

☐ Within 12 months (required for all students)

☐ Within 6 months (if needed/helpful)

☐ Other

Confidential Comments to the Chair regarding the Qualifying Exam:

Committee Member Signature:

Date: