Program: Biomedical Engineering, Ph.D.

A. Demonstrate a basic knowledge of central concepts in the relevant scientific field. (ID# 9)

- Primary Competency: **Professional Knowledge And Skills**
- Secondary Competency: **Safety And Quality Improvement**
- Other Competencies: None.

B. Demonstrate advanced knowledge in one specialized area. (ID# 10)

- Primary Competency: **Professional Knowledge And Skills**
- Secondary Competency: None.
- Other Competencies: None.

C. Advance knowledge in selected area of concentration. (ID# 11)

- Primary Competency: **Professional Knowledge And Skills**
- Secondary Competency: **Lifelong Learning**
- Other Competencies: None.

D. Formulate hypothesis based on current concepts in the field. (ID# 12)

- Primary Competency: **Reasoning And Judgment**
- Secondary Competency: **Lifelong Learning**
- Other Competencies: None.

E. Design, conduct, and interpret their own research. (ID# 13)

- Primary Competency: **Reasoning And Judgment**
- Secondary Competency: **Safety And Quality Improvement**
- Other Competencies: None.

F. Demonstrate doctoral-level competence in written and verbal communication. (ID# 14)

- Primary Competency: **Communication**
- Secondary Competency: None.
- Other Competencies: None.

G. Interpret and critique scientific literature. (ID# 15)

- Primary Competency: **Evidence-Based Practice And Research**
- Secondary Competency: **Lifelong Learning**
- Other Competencies: None.

H. Apply fundamental knowledge of ethics in research. (ID# 16)

- Primary Competency: **Interprofessional Teamwork**
- Secondary Competency: **Systems**
- Other Competencies: None.

I. Develop ancillary skills, where necessary, to obtain positions outside scientific research. (ID# 17)

- Primary Competency: **Professionalism And Ethics**
- Secondary Competency: **Systems**
- Other Competencies: None.

Program: Biomedical Engineering, M.S.

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