Program: Biochemistry & Molecular Biology, PhD

A. Demonstrate a basic knowledge of central concepts in the relevant scientific field. (ID# 9)
   ○ Primary Competency: Professional Knowledge And Skills
   ○ Secondary Competency: None.
   ○ Other Competencies: None.

B. Demonstrate advanced knowledge in one specialized area. (ID# 10)
   ○ Primary Competency: Professional Knowledge And Skills

   ○ Secondary Competency: Lifelong Learning
   ○ 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
H. Apply fundamental knowledge of ethics in research. (ID# 16)

- Primary Competency: **Professionalism And Ethics**
- Secondary Competency: **Safety And Quality Improvement**
- Other Competencies: **Teamwork**

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

- Primary Competency: **Communication**
- Secondary Competency: **Interprofessional Teamwork**

- Other Competencies: None.
Program: Biochemistry & Molecular Biology, M.S.

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**
H. Apply fundamental knowledge of ethics in research. (ID# 16)
   - Primary Competency: Reasoning And Judgment
   - Secondary Competency: Professionalism And Ethics
   - Other Competencies: None.

I. Develop ancillary skills, where necessary, to obtain positions outside scientific research. (ID# 17)
   - Primary Competency: Systems
   - Secondary Competency: Professionalism And Ethics