

# Core Competency and SLOs for MS-BMB

## **Communication**

- Produce written thesis based on their research work in the laboratory.
- Accurately and professionally communicate results with others verbally and in writing.

## **Information Literacy**

- Identify significant and original problems that will impact human health.
- Demonstrate analytical skills.

## **Professional Identity and Ethical Behavior**

- Collect and store data in accordance with good lab practices.
- Apply fundamental knowledge of ethics in research.

## **Professional Knowledge and Skills**

- Critically evaluate a defined body of knowledge relevant to their field.
- Design and conduct independent, innovative research in accordance with the scientific research method.
- Establish new connections within their field of research by attending seminars, meetings, symposiums or conferences.

## **Teamwork**

- Develop ancillary skills, where, necessary, to obtain positions outside scientific research
- Demonstrate teamwork/team science skills applied in research
- Demonstrate teamwork skills applied in service or scholarship

# **Core Competency and SLOs for PhD-BMB**

## **Communication**

- Interpret and critique scientific literature.
- Demonstrate doctoral-level competence in written and verbal communication.

## **Information Literacy**

- Demonstrate a basic knowledge of central concepts in the relevant scientific field.
- Formulate hypothesis based on current concepts in the field

## **Professional Identity and Ethical Behavior**

- Apply fundamental knowledge of ethics in research.

## **Professional Knowledge and Skills**

- Demonstrate advanced knowledge in one specialized area
- Advance knowledge in selected area of concentration.
- Formulate hypothesis based on current concepts in the field.
- Design, conduct, and interpret their own research.
- Develop ancillary skills, where necessary, to obtain positions outside scientific research.

## **Teamwork**

- Develop ancillary skills, where necessary, to obtain positions outside scientific research.
- Demonstrate teamwork/team science skills applied in research
- Demonstrate teamwork skills applied in service or scholarship