INTERDISCIPLINARY GRADUATE PROGRAM IN BIOMEDICAL SCIENCES

Curriculum

IGPBS Committee

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The Interdisciplinary Graduate Program in Biomedical Sciences (IGPBS) consists of seven interdisciplinary doctoral programs with over 200 participating research faculty from 32 basic science and clinical departments. The seven doctoral programs that comprise the IGPBS are:

- Biochemistry & Molecular Biology (BMB) (https://www.unmc.edu/gradstudies/programs/igpbs/biochemistry-molecular-biology/)
- Bioinformatics & Systems Biology (BISB) (https://www.unmc.edu/gradstudies/programs/igpbs/bioinformatics-systems-biology/)
- Cancer Research (CR) (https://www.unmc.edu/gradstudies/programs/igpbs/cancer-research/)
- Immunology, Pathology & Infectious Disease (IPID (https://www.unmc.edu/gradstudies/programs/igpbs/immunology-pathology-infectious-diseases/)) (http://www.unmc.edu/igpbs/research/ipid/)
- Integrative Physiology & Molecular Medicine (IPMM) (https://www.unmc.edu/gradstudies/programs/igpbs/integrative-physiology-molecular-medicine/)
- Molecular Genetics & Cell Biology (MGCB) (https://www.unmc.edu/gradstudies/programs/igpbs/molecular-genetics-cell-biology/)
- Neuroscience (NSC) (https://www.unmc.edu/gradstudies/programs/igpbs/neuroscience/)

Students enroll in the IGPBS before choosing a laboratory or a doctoral program ("multi-program" students), which provides the opportunity for research rotations in any of the participating IGPBS laboratories on campus. Multi-program students complete a first semester common core curriculum, after which they commit to one of the seven doctoral programs and complete advanced interdisciplinary training in their field of interest.

Students can also enter the IGPBS committed to one of the seven individual doctoral programs. These "single-program" students rotate among the IGPBS laboratories in that doctoral program and follow the first semester curriculum of that doctoral program.

Multi-Program Students

Multi-program PhD students enrolled in the IGPBS must complete the courses listed below during their first semester of study, after which they commit to one of the seven doctoral programs and complete advanced interdisciplinary training in their field of interest.

Single Program Students

IGPBS students who enroll committed to one of the seven participating doctoral programs must follow the curriculum established for that program.

Code	Title	Credit Hours
First Semester Common Core Curriculum (Multi-program students only)		
IPBS 805	FUNDAMENTALS OF CELLULAR PROCESSES	3
IPBS 860	SUCCESS SKILLS FOR GRADUATE STUDENTS	1
IPBS 896	RESEARCH OTHER THAN THESIS	1-9
IPBS 970	SEMINAR	1