dissertation research topic and mentor, and enter into one of four

At the end of this integrated first-year program, students select a

breadth of biomedical science and technology that spans the disciplines

sessions, and seminars to develop self-confidence and familiarity with a

The first-year curriculum combines lectures, small group discussion

students with a strong foundation in all aspects of basic biomedical

particular program.

and molecular biology, and continue their Ph.D. training within that

program and include specialized advanced courses and the performance of original research leading to the completion of the dissertation.

Four offerings, each affiliated with an individual department or center

at SLU, are available. However, most students admitted for direct Ph.D.-
degree study take a common, first-year core in the basic biomedical

studies toward the Ph.D. degree in a medical-

field may be combined with the M.D.-degree curriculum, and the
two degrees pursued concurrently by selected students. M.S. (research

and Ph.D. degrees are offered by the Center for Anatomical

Science and Education. The Medical Family Therapy Program offers M.A.

of biomedical science field may be combined with the M.D.-degree curriculum, and the
two degrees pursued concurrently by selected students. M.S. (research or

and non-research) and Ph.D. degrees.

Overview

In addition to contributing strongly to the first two years of the Doctor of

Medicine degree curriculum, Saint Louis University’s pre-clinical, medical-

Science departments offer post-baccalaureate work leading to the Ph.D.
degree.

Four offerings, each affiliated with an individual department or center

at SLU, are available. However, most students admitted for direct Ph.D.-
degree study take a common, first-year core in the basic biomedical

sciences. Furthermore, studies toward the Ph.D. degree in a medical-

field can be combined with the M.D.-degree curriculum, and the
two degrees pursued concurrently by selected students. M.S. (research or

and non-research) and Ph.D. degrees.

View More About Biomedical Sciences

About 90 faculty members in the programs of biochemistry and

molecular biology, molecular microbiology and immunology,

pharmacology and physiology, and pathology provide an almost unlimited

variety of research project choices for students. In recognition that

successful graduates need a broad background in biomedical science

and flexible skills, the first year includes interdisciplinary lecture courses;

small-group discussions and participation in a colloquium series where

contemporary developments in the biomedical sciences are presented

and discussed. Informed by their experiences in this first year, students

then select a Ph.D. mentor in a specific program, such as biochemistry

and molecular biology, and continue their Ph.D. training within that

particular program.

Admission to the four Ph.D. degree programs in the biomedical sciences

is by application to the core program in basic biomedical science at SLU.

This interdisciplinary offering is intended for all students interested in

biomedical research and/or teaching careers. Its objectives are to provide

students with a strong foundation in all aspects of basic biomedical

science and the freedom to explore diverse research opportunities during

the first year of training.

The first-year curriculum combines lectures, small group discussion

sessions, and seminars to develop self-confidence and familiarity with a

breadth of biomedical science and technology that spans the disciplines

of anatomical, biochemical, cellular, molecular, developmental, genetic

and physiological sciences.

At the end of this integrated first-year program, students select a

dissertation research topic and mentor, and enter into one of four
departmental programs in the SLU School of Medicine: biochemistry and

molecular biology; molecular microbiology and immunology; pathology;

pharmacology and physiology.

The subsequent requirements for completion of the Ph.D. degree vary

with the individual program and include specialized advanced courses

and the performance of original research leading to the completion of the dissertation.

Programs

- Biochemistry and Molecular Biology, Ph.D. (https://catalog.slu.edu/
colleges-schools/medicine/biomedical-science/doctor-philosophy-biochemistry-molecular-biology/)
- Biochemistry and Molecular Biology, Ph.D. & Medicine, M.D. Dual Degree (https://catalog.slu.edu/colleges-schools/medicine/biomedical-science/doctor-philosophy-doctor-medicine-dual-degree/)
- Molecular Microbiology and Immunology, Ph.D. (https://catalog.slu.edu/colleges-schools/medicine/biomedical-science/doctor-philosophy-molecular-microbiology-immunology/)
- Pathology, Ph.D. (https://catalog.slu.edu/colleges-schools/medicine/biomedical-science/doctor-philosophy-pathology/)
- Pharmacology and Physiology, Ph.D. (https://catalog.slu.edu/colleges-schools/medicine/biomedical-science/doctor-philosophy-pharmacology-physiological-science/)

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