

Certificate in Personalized Medicine (PRSM) Requirements:

Total credits: 15

CORE COURSES *(Choose 3 courses from the following)*

BIOL 562 Personalized Medicine

BIOL 566 Cancer Genomics

BIOL 572 Human Genetics

or BIOL 666 Human Genetics Concepts for Health Care

BIOL 685 Emerging Infectious Diseases

BIOS 743 Genomics, Proteomics, and Bioinformatics

ELECTIVE COURSES *(Choose two of the following or other courses approved by the advisor)*

BIOL 506 Selected Topics in Microbiology *

BIOL 508 Selected Topics in Animal Biology *

BIOL 553 Advanced Topics in Immunology

BIOL 566 Cancer Genomics

BIOL 568 Advanced Topics in Molecular Genetics

BIOL 575 Selected Topics in Genetics

BIOL 583 Biochemistry

BIOL 669 Pathogenic Microbiology

BIOL 682 Advanced Eukaryotic Cell Biology

BIOL 691 Current Topics in Biology *

BIOL 695 Seminar in Molecular, Microbial, and Cellular Biology

BIOS 701 Systems Biology

BIOS 741 Genomics

BINF 630 Bioinformatics Methods

BINF 633 Molecular Biotechnology

University Catalog AP.6.8:
Candidates must have a minimum GPA of 3.00 in coursework presented on the certificate application, which may include no more than 3 credits of C. (Grades of C+, C-, and D do not apply to graduate courses.) The GPA calculation excludes transfer credits.

* Credit for these courses may only be applied toward the certificate's elective courses if the topic is relevant to personalized or translational medicine. **Contact the program director for prior approval.**