Omics, Graduate Certificate

Students will explore in detail the key genomic technologies and computational approaches that are driving advances in prognostics, diagnostics, and treatment, learning how scientists sequence, assemble, and analyze the function and structure of genomes. The certificate explores methods for determining traits and diseases by studying the larger population, as well as how gene identification can help identify targets for therapeutic intervention. Students that are already in the field or have an interest in the field will significantly benefit from this curriculum.

Program Requirements

Requirements

Code	Title	Hours
Required Courses		
BINF 6310	Introduction to Computational Methods in Bioinformatics	4
BINF 6400	Genomics in Bioinformatics	4
BINF 6420	Omics in Bioinformatics	4
BINF 6430	Transcriptomics in Bioinformatics	4

Program Credit/GPA Requirements

16 total semester hours required

Minimum 3.000 GPA required