FLORIDA ATLANTIC UNIVERSITY

NEW/CHANGE PROGRAM REQUEST
Graduate Programs

UGPC Approval _____
UFS Approval _____
Banner Posted _____
Catalog _____

Department Biomedical Science

College Medicine

Program Name
Genomics and Predictive Health certificate

☐ **New Program**

☑ **Change Program**

Effective Date
(TERM & YEAR)
Fall 2024

Please explain the requested change(s) and offer rationale below or on an attachment

The requirements for the certificate has changed due to new course development.

Faculty Contact/Email/Phone
Dr. Marc Kantorow mkantoro@health.fau.edu

Consult and list departments that may be affected by the change(s) and attach documentation

Approved by	***Date***
Department Chair marc kantorow	2/28/24
College Curriculum Chair marc kantorow	2/28/24
College Dean marc kantorow	7/22/24
UGPC Chair	
UGC Chair	
Graduate College Dean	
UFS President	
Provost	

Email this form and attachments to UGPC@fau.edu one week before the UGPC meeting so that materials may be viewed on the UGPC website prior to the meeting.

GENOMICS AND PREDICTIVE HEALTH
GRADUATE CERTIFICATE

(Minimum of 12 credits required)

The Genomics and Predictive Health certificate is offered to provide master's and Ph.D. students an integrated background in the field of genomics and predictive health. The certificate program covers advancements in the field of personalized medicine, DNA sequencing technologies and commercial applications of genetic research. A minimum of 12 graduate credits of coursework is required to provide core experiences in the various predictive health domains (disease discovery, customized therapies and prevention). Although the program is centered within the Charles E. Schmidt College of Medicine, faculty from other FAU colleges and institutions contribute to the program's success, and students from many departments and colleges throughout the University are welcomed.

Genomics and predictive health is a broad, interdisciplinary field focused on understanding and improving human health. It incorporates diverse areas of specialized investigation that share this common goal including anatomy, biochemistry, cell biology, clinical sciences, cognitive sciences, development, genetics, immunology, medical sciences, microbiology, molecular biology, pathology, pharmacology, psychology and others.

Admission Requirements
Admission to and completion of this program is overseen by the Graduate Program Office in the Charles E. Schmidt College of Medicine. For admission, the applicant must satisfy the following criteria:

1. Must be enrolled in an FAU master's or Ph.D. program including, but not limited to, Biomedical Science, Biology, Biochemistry, Complex Systems and Brain Sciences, Integrative Biology, Psychology and Bioengineering. Students must have approval of their graduate program to enroll and must remain in good standing with their graduate program to continue in the certificate program;
2. Must meet with the Office of Graduate Programs' advisor to discuss program goals and requirements and obtain permission to enroll.

Program Requirements
The certificate program requires 12 credits that are designed to be tailored to the individual student with previous coursework and future goals in mind.

Required Courses (9 credits)

Human Genetics	PCB 6665
Integrating Genomics into Predictive Health	PCB 6667
Multi-omic applications towards understanding health and disease ~~Graduate Seminars (1 credit per semester on a continuous basis for total of 3 credits)~~	PCB ~~6934~~6933

Complete ~~one~~ any of the ~~following~~ Graduate Biomedical Science elective courses (3 credits)

~~Emerging Applications in Oncology and Pharmacogenomics~~	~~PCB 6230~~
~~Special Topics (Communicating in the Age of Predictive Health)~~	~~PCB 6933~~
~~Special Topics (Implementing Learning Health Systems)~~	~~PCB 6933~~

Link to Course Descriptions for the Charles E. Schmidt College of Medicine