**Genomics and Bioinformatics**

This certificate is intended for professionals in academic, clinical, and research settings who are now or soon to be faced with genomic and related data. The goal is to enable a generation of investigators and academicians capable of integrating genomic and related high-dimensional data seamlessly into population and personalized health.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name: |  | | | Student ID Number: | | |  |
| **Degree-Seeking & Non-Degree-Seeking Students Certificate Requirements** | | | | | | | |
| Course | | Credits | Title | | Semester & Year | Grade | Notes |
| **Required Courses** | | | | | | | |
| *3 credit hours of a selected required course (see planning note 1)* | | | | | | |  |
|  | |  |  | |  |  |  |
| *9 credit hours* | | | | | | |  |
| PHW 2782L | | 3 | Practical Computational Genetics and Bioinformatics | |  |  |  |
| PH 2830L | | 3 | Clinical Genetics in Epidemiology | |  |  |  |
| PHW 2780L | | 3 | Genetic Epidemiology | |  |  |  |
| **Total Credits** | | **12** |  | | | | |

*For course availability, including online offerings, please reference the* [*Course Rotation Schedule*](https://web.sph.uth.edu/student-forms/Academic_Requirements/Schedule%20of%20Classes/Reference.Course_Rotation.pdf) *and the* [*Interactive Course Schedule*](https://web.sph.uth.edu/course/CourseSchedule)*.*

**Planning Notes:**

**Planning Note 1 (Selected Required Course):** Students are required to select one of the following courses below:

|  |  |  |
| --- | --- | --- |
| Required Course Options | | |
| Course | Credits | Title |
| PHW 2970L | 3 | Foundations of Public Health Genetics *(see planning note 2)* |
| PH 2815L | 3 | Genetics and Human Disease |

**Planning Note 2:** PHW 2970L is the recommended first course if a student has no prior coursework in biology and genetics.

*It is recommended that students take the classes for this certificate program in the order listed above starting with PHW 2970L or PH 2815L.*

**Genomics and Bioinformatics Coordinator:** JR Bright; Houston Campus and Department of Epidemiology; [JR.F.Bright@uth.tmc.edu](mailto:JR.F.Bright@uth.tmc.edu)