**Data Science**

This certificate is intended for professionals working in health care or industries related to public health research and biostatistics, and consists of coursework in data science, data analytics and predictions, analytic methods, and data management.

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Name: |  | | | Student ID Number: | | |  |
| **Degree-Seeking Students Certificate Requirements** | | | | | | | |
| Course | | Credits | Title | | Semester & Year | Grade | Notes |
| **Required Courses** | | | | | | | |
| *9 credit hours* | | | | | | |  |
| PH 1700L | | 3 | Intermediate Biostatistics *(see planning note 1)* | |  |  |  |
| PH 1975L | | 3 | Introduction to Data Science | |  |  |  |
| PH 1976L | | 3 | Fundamentals of Data Analytics and Predictions | |  |  |  |
| **Total Credits** | | **9** |  | | | | |

*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)*.*

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| **Non-Degree-Seeking Students Certificate Requirements** | | | | | |
| Course | Credits | Title | Semester & Year | Grade | Notes |
| **Required Courses** | | | | | |
| *13 credit hours* | | | | |  |
| PHM 1690L | 4 | Introduction to Biostatistics in Public Health |  |  |  |
| PH 1700L | 3 | Intermediate Biostatistics |  |  |  |
| PH 1975L | 3 | Introduction to Data Science |  |  |  |
| PH 1976L | 3 | Fundamentals of Data Analytics and Predictions |  |  |  |
| **Total Credits** | **13** |  | | | |

*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 (PH 1700L Intermediate Biostatistics):** Doctoral students who are not required to complete PH 1700L as a leveling course for their doctoral program may substitute this course for another advisor approved 3 credit hour data science course. Students must submit a [Course Substitution](https://web.sph.uth.edu/student-forms/Student%20Resources/Forms/Course%20Substitutions,%20Departmental%20Course%20Waivers,%20Independent%20Study%20Plan/Form.Course_Substitution.pdf) form to document this substitution.

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