# **Doctor of Health Informatics**

**Requirements for Graduation**

**Total Credits Required to Graduate: 54 credits**

**Full-Time Mode: Students must register for at least 3 courses (9 credits) each Fall and Spring from the following list of courses.**

**Part-Time Mode: Students must register for at least 2 courses (6 credits) each Fall and Spring from the following list of courses.**

**International Students: Students must register for at least 3 courses (9 credits) each Fall and Spring from the following list of courses. Of the three at least two should be on-campus while the third can be online. On-Campus courses will have suffix E001 (eg: BINF5035E001) while Online courses have a suffix E00W (eg: BINF5035E00W).**

**Students are strongly recommended to check the course schedule using** <https://shp.rutgers.edu/registrar/course-schedule/> **to determine the available courses each semester as also the prerequisites (if any) required for them.**

Brief course descriptions are provided for each course and are available at <https://shp.rutgers.edu/health-informatics/doctor-of-health-informatics/#curriculum> and should be consulted by each student before registering for a course in the curriculum

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| DOCTOR OF HEALTH INFORMATICS (DHI) |
| Requirements for Graduation Program Director: Shankar Srinivasan PhD |
| Course No | **Section****Campus/Online** | **Course Title** | **Credit** | **Prerequisites** |  | **Semester Offered** |
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| **CORE - Choose 5 Courses (15 credits)** |

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| BINF5513BINF5125BINF5035BINF5311BINF5325BPHE5310BINF5210BINF5131BINF5230BPHE7620BINF5312BINF5145BINF5020BINF5040BINF5005 |  | Cybersecurity in HealthcareMachine LearningBiostatisticsElectronic Health RecordsClinical Decision Support SystemsScientific Concepts and Research DesignSAS Applications in Health InformaticsHealth Finance SystemsTranslational Informatics and BiomarkersScientific WritingHealth Information ProcessingDiseases and SystemsData Science for Health InformaticsBiomedical Information ProcessingHealth Information Systems | 3 |  | SP |
|  | 3 | Python | SP |
|  | 3 |  | FA/SP |
|  | 3 |  | FA |
|  | 3 |  | FA/SP |
|  | 3 |  | FA |
|  | 3 |  | FA |
|  | 3 |  | FA/SP |
|  | 3 |  | SP |
|  | 3 |  | SP |
|  | 3 | Python | SP |
|  | 3 |  | FA |
|  | 3 | Python | FA |
|  | 3  |  | FA/SP |
|  | 3 |  | FA |
| BINF5520 Health Data Analytics 3 FA/SP |
| BINF5100 Introduction to Biomedical Informatics 3 SU |
| BINF5075 Clinical Trial Data Management 3 SP |
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| Health Data Analytics Track: Choose 4 Courses (12 credits) Track Advisor: Shankar Srinivasan PhD |
| BINF7510BINF7560BINF7520BINF7570BINF7550  |  | Clinical Decision Making and Decision AnalysisHealth Information Systems IntegrationClinical Data Analysis and Predictive TechniquesHealth Care Outcomes Measurement and ResearchMedical Image Processing and Image Analysis | 3 |  |  | FA |
|  | 3 |  | SP |
|  | 3 |  | SP |
|  | 3 |  | FA |
|  | 3 |  | SP |
| BINF5900 Data Science Programming 3 Python SP |
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| Health Information Management Track: Choose 4 Courses (12 credits) Track Advisor: Dasantila Sherifi PhD  |
| BINF7530BINF7560BINF7520BINF7570 |  | Health Care Database Management Systems Health Information Systems Integration Clinical Data Analysis and Predictive TechniquesHealth Care Outcomes Measurement and Research | 3 |  |  | TBD |
|  | 3 |  | SP |
|  | 3 |  | SP |
|  | 3 |  | FA |
| BINF5900 Data Science Programming 3 Python SP |
| BINF7550 Medical Image Processing and Image Analysis 3 SP |
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| Pharmacoinformatics Track: Choose 4 Courses (12 credits) Track Advisor: Doreen Waldron Lechner PhD  |
| BPHE7005BPHE6700BINF7520BINF7570 |  | Pharmacoinformatics Special Topics in Clinical Trials Clinical Data Analysis and Predictive TechniquesHealth Care Outcomes Measurement and Research | 3 |  |  | FA |
|  | 3 |  | SP |
|  | 3 |  | SP |
|  | 3 |  | FA |
| BINF5900 Data Science Programming 3 Python SP |
| BINF7550 Medical Image Processing and Image Analysis 3 SP |
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| Doctoral Courses |  |  |
| BINF7540BINF7700BINF7600 |  | Health Research MethodsLiterature ReviewSeminar on Representations and Algorithms | 3 |  | FA/SP |
|  | 3 |  | FA/SP |
|  | 3 |  | FA/SP |
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| BINF8001BINF8002 BINF8003 |  | **Doctoral Project** | 18 |  |  | FA/SP |
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|  |  | **TOTAL** | 54 |  |  |  |

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| Consult School and program policy regarding specific requirements. |
| **Student Name** (printed): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**Track: \_**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Signature:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*I agree to complete these courses for graduation.* |
| Please return signed copy to: **Office of Enrollment Services, 65 Bergen street, Room #149, Newark, NJ 07107-3001** |

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| **Office use only : Term:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Published on **11/02/2023** |

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| **Student Disclaimer:***The database of course description is updated continuously throughout the year. It may be different than your "requirements for the graduation"(RG) form you signed at the time of admissions for which you are held accountable. Please use this site as a reference source and your RG as your official contract.*  |