# **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** |
|  |  | |  | | --- | | **CORE - Choose 5 Courses (15 credits)** | |  |  |  |  |
| BINF5513  BINF5125  BINF5035  BINF5311  BINF5325  BPHE5310  BINF5210  BINF5131  BINF5230  BPHE7620  BINF5312  BINF5145  BINF5020  BINF5040  BINF5005 |  | Cybersecurity in Healthcare  Machine Learning  Biostatistics  Electronic Health Records  Clinical Decision Support Systems  Scientific Concepts and Research Design  SAS Applications in Health Informatics  Health Finance Systems  Translational Informatics and Biomarkers  Scientific Writing  Health Information Processing  Diseases and Systems  Data Science for Health Informatics  Biomedical Information Processing  Health 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 | | | | | | |
|  | | | | | | |
| Health Data Analytics Track: Choose 4 Courses (12 credits) Track Advisor: Shankar Srinivasan PhD | | | | | | |
| BINF7510  BINF7560  BINF7520  BINF7570  BINF7550 |  | Clinical Decision Making and Decision Analysis  Health Information Systems Integration  Clinical Data Analysis and Predictive Techniques  Health Care Outcomes Measurement and Research  Medical 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 | | | | | | |
| BINF7530  BINF7560  BINF7520  BINF7570 |  | Health Care Database Management Systems  Health Information Systems Integration  Clinical Data Analysis and Predictive Techniques  Health 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 | | | | | | |
| BPHE7005  BPHE6700  BINF7520  BINF7570 |  | Pharmacoinformatics  Special Topics in Clinical Trials  Clinical Data Analysis and Predictive Techniques  Health 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 | | | | |  |  |
| BINF7540  BINF7700  BINF7600 |  | Health Research Methods  Literature Review  Seminar on Representations and Algorithms | 3 |  | FA/SP |
|  | 3 |  | FA/SP |
|  | 3 |  | FA/SP |
|  | | | | | | |
| BINF8001  BINF8002  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.* |