INFORMATICS EDUCATIONAL OPPORTUNITIES AT DUKE UNIVERSITY

(and Duke’s NEW MIDS Degree)

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Associate Director, Duke Center for Health Informatics/ Clinical Translational Science Institute
Clinical Associate, Duke University School of Nursing

November 6, 2017
Programs include...

School of Nursing

- Certificate In Health Informatics (open to anyone with at least 1 year health care experience)
- M.S. in Nursing / Major in Informatics (open to RNs)
- PhD in Nursing
- DNP in Nursing
Programs include…

School of Medicine

- Master of Management in Clinical Informatics
- Clinical Informatics Fellowship (for training U.S. Board Certified physicians)
- Informatics elective for 4th year medical students
Programs include...

Duke Center for Health Informatics

- Informatics elective for 4th year medical students
- Short Course
- 10x10: Data Standards for Learning Health Systems
- Working with
  - Social Sciences Research Institute
  - Information Initiative at Duke (iiD)

Master in Interdisciplinary Data Science
Master in Interdisciplinary Science (MIDS)

• Concentrations where strong data science skills are needed to address future challenges

• Quantitative thought leader who uses disruptive computational strategies to generate innovation and new insights

• Combines rigorous computational and technical training with field knowledge and repeated practice in critical thinking, teamwork, communication, and collaborative leadership

• Generate data scientists who can add value to any field… Biomedical Informatics
MIDS with Concentration in Biomedical Informatics

- For aspiring informaticians who want to work in biomedical informatics where strong data science knowledge is required.
- Students will be exposed to the interdisciplinary application of data science while developing expertise applicable to real-world problems in healthcare.
- Graduates will have proficiencies that will enable them to best apply these concepts in addressing future biomedical informatics challenges.
# Courses

## CORE MIDS COURSES
- Data to Decision
- Modeling and Representation of Data
- Introduction to Text Analysis
- Principles of Machine Learning
- Data Management Systems
- Data Logic, Visualization, and Storytelling
- Data Science Ethics

## BMI COURSES
- Introduction to Informatics
- Data Representation and Standards
- Health Care Information Infrastructure
- EHRs and Mobile Health
- Health Care Systems
- Health Analytics and Decision Support
- Informatics Research Seminar

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**Duke Center for Health Informatics**
Master in Interdisciplinary Data Science

General Information

• Degree offered: M.S.
• Interdisciplinary Faculty
• Students: 25-35
• Students receiving Financial Aid: N/A
• Part-time study available: No
• Application period for Fall 2018 admission

→ February 15, 2018

• https://gradschool.duke.edu/academics/programs-degrees/master-interdisciplinary-data-science
Master in Interdisciplinary Data Science
For more information contact:
Director of Communications, Master in Interdisciplinary Data Science (MIDS)
(919) 681-1972 or dukemids@duke.edu
https://mids.duke.edu

Duke Center for Health Informatics booth
OR
http://dchi.duke.edu
## Concentration: (Biomedical Informatics)

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<th>Year 1 Fall</th>
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<td>Data to Decision</td>
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