<table>
<thead>
<tr>
<th>Foundation in Health (3 Credits)</th>
<th>Foundation in Informatics (3 Credits)</th>
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</thead>
<tbody>
<tr>
<td>Health Vocabularies and Classification Systems [HCIP 5370]</td>
<td>Computer Vocabularies &amp; Programming Systems [HCIP 5375]</td>
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<tr>
<th>Health Informatics Core (11 Credits)</th>
<th>Health Informatics Core- Select One (3 Credits)</th>
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<tbody>
<tr>
<td>Introduction to Health Informatics [HCIP 6380]</td>
<td>Computer Security, Privacy and Legal Issues [HCIP 6201]</td>
</tr>
<tr>
<td>Decision Analysis in Health Care [HCIP 6108]</td>
<td>Principles of Information Security and Privacy [HCIP 6200]</td>
</tr>
<tr>
<td>Health Care Data Analysis [HCIP 6102]</td>
<td>Introduction to US Health Care System [HCIP 6100]</td>
</tr>
<tr>
<td>Responsible Conduct of Research (2) [GRAD 6002]</td>
<td>Introduction to Programming for Health Informatics [HCIP 5376]</td>
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<tr>
<th>Concentration (15 Credits)</th>
<th>Business of Healthcare</th>
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<tbody>
<tr>
<td>(Select at least one course from each group)</td>
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</table>

- Data Science and Analytics |
  - Info. Visualization [HCIP 5121]
  - Visual Analytics [HCIP 5122]
  - Applied Statistics [HCIP 5123]
  - Applied Databases [HCIP 5160]
  - Network-Based Application Development [HCIP 5166]
  - Vulnerability Assessment and System Assurance [HCIP 5220]
  - Computer Forensics [HCIP 5250]
  - Introduction to Programming for Health Informatics [HCIP 5376]
  - Big Data Analytics for Competitive Advantage [HCIP 6103]
  - Software System Design and Implementation [HCIP 6112]
  - Machine Learning [HCIP 6156]
  - Database Systems [HCIP 6160]
  - Knowledge Discovery in Databases [HCIP 6162]
  - Data Warehousing [HCIP 6163]
  - Network Security [HCIP 6167]
  - Computer Security, Privacy and Legal Issues [HCIP 6201]
  - Access Control & Security Architecture [HCIP 6210]
  - Information Infrastructure Protection [HCIP 6230]
  - Information Technology Project Management [HCIP 6342]
  - Principles of Human-Computer Interaction [HCIP 6350]
  - Architecting HI Systems [HCIP 6391]
  - Enterprise Health Information Systems [HCIP 6392]
  - Advanced Health Data Integration w/Lab [HCIP 6393]
  - Complex Adaptive Systems [HCIP 6500]
  - Network Science [HCIP 6520]
  - Current Issues in Health Informatics [HCIP 6070]
  - Introduction to US Health Care System [HCIP 6100]
  - Health and Disease [HCIP 6104]
  - Quality & Outcomes Management in Health Care [HCIP 6134]
  - Information Resources Management [HCIP 6146]
  - Health Law and Ethics [HCIP 6150]
  - Medical Informatics [HCIP 6228]
  - Analytic Epidemiology [HCIP 6260]
  - Medical Practice Management [HCIP 6330]
  - Health Communication and Leadership [HCIP 6385]

- Business of Healthcare |
  - Business Intelligence in Healthcare HCIP 6396
  - Healthcare Financial Data Analysis HCIP 6399

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<tr>
<th>Capstone Project / Internship (3 Credits)</th>
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<tbody>
<tr>
<td>Health IT Internship Project [HCIP 6198]</td>
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