INFORMATION TECHNOLOGY, B.S. - HEALTH CARE ANALYTICS OPTIONS

Information Technology assists with meeting individual and organizational needs through the selection, application, integration and administration of computing and communication technologies. This degree option will prepare students to identify suitable technology, develop strategies and apply fundamental computing knowledge to effectively manage the operations of an organization, with a specific focus on Healthcare Analytics.

Major in Information Technology, BS

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>INTE 120</td>
<td>Integrated Information Technology Application Projects</td>
<td>4</td>
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<tr>
<td>INTE 130</td>
<td>Fundamentals of Information Technology</td>
<td>4</td>
</tr>
<tr>
<td>INTE 230</td>
<td>Network Concepts, Security and Administration</td>
<td>4</td>
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<tr>
<td>INTE 240</td>
<td>The Fundamentals of Web Technology</td>
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<tr>
<td>INTE 360</td>
<td>IT Risk Management and Security</td>
<td>4</td>
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<tr>
<td>INTE 410</td>
<td>IT Project Management</td>
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<tr>
<td>INTE 420</td>
<td>Fundamentals of Operating Systems Management</td>
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<tr>
<td>INTE 440</td>
<td>Human-Computer Interaction</td>
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OPTION IN HEALTHCARE ANALYTICS - See separate block

Total Hours 32

Option in Health Care Analytics

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<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>INTE 255</td>
<td>Intro to Data Analytics</td>
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<tr>
<td>MATH 255</td>
<td>Intro to Data Analytics</td>
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<tr>
<td>CSCI 452</td>
<td>Data Mining</td>
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<tr>
<td>INTE 365</td>
<td>Health Care Information Management</td>
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<tr>
<td>INTE 425</td>
<td>Data Explor and Visualization</td>
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<tr>
<td>CSCI 453</td>
<td>Large-Scale Data Analytics and Visualization</td>
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<tr>
<td>INTE 465</td>
<td>Data Analytics in Health Care</td>
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<tr>
<td>NURS 310</td>
<td>Health Issues from a Population Health Perspective</td>
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<td>NURS 312</td>
<td>Value-Based Care</td>
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Total Hours 18-20

Req Related for Information Technology, BS

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<tr>
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<tbody>
<tr>
<td>CSCI 161</td>
<td>Introduction to Programming 1 (G2)</td>
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<tr>
<td>CSCI 162</td>
<td>Introduction to Programming 2</td>
<td>4</td>
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<tr>
<td>CSCI 366</td>
<td>Database Systems</td>
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</table>

MATH 130  Elements of Statistics 1
MATH 234  Statistics for Health Sciences
MATH 235  Survey of Statistics
Logic for Information Technology
MATH 120  Logic for Information Technology

ECONOMICS
<table>
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<tr>
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<th>Hours</th>
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<tbody>
<tr>
<td>ECON 102</td>
<td>Principles of Microeconomics (G3)</td>
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RECOMMENDED COURSES (NOT REQUIRED)
These courses are recommended, but not required. They are advised as complimentary courses which can fulfill the General Education requirements noted

BUAD 251 Organization and Management (G3, W) 0
COMM 335 Communications and Emerging Technologies (G1, W) 0
ECON 101 Principles of Macroeconomics (G3) 0
MATH 151 Calculus for Management, Life and Social Sciences 0

Total Hours 20-21