BELLEVUE COLLEGE

Healthcare Data Analytics
Certificate of Accomplishment

STUDENT NAME		SID #	
PROGRAM CHAIR		DATE	

PROGRAM REQUIREMENTS			Requested Substitution/Transfer Credits (if applicable)			Completed		
Course	Course Title	CR	College/University	Course	CR	Grade	Quarter	Year
HCI 293	HCI New Student Orientation	4						
HCI 310	Essentials of Healthcare Informatics	5						
HCI 315	Electronic Health Records	5						
HCI 320	HCI Data Standards and Interoperability	5						
HCI 375	HCI Project Management	5						
HCI 450	Healthcare Analytics and Quality	5						
HCI 456	Healthcare Data Visualization	5						
HCI 470	Healthcare Analytics Applications	5						
PHIL 365	Biomedical Ethics: Theory and Practice	5						
TOTAL		44						

The Healthcare Data Analytics certificate is an advanced certificate option designed to introduce students to the rapidly emerging field of healthcare data analytics. Courses in this certificate will focus on tools, practices and issues surrounding the use of data analytics in support of key decisions in healthcare organizations. Topics include: clinical, operational and financial analytics in various healthcare settings; and trends and regulations that shape the role and practices of healthcare analytics. This certificate will be well-suited for Healthcare and/or HIT professionals who will be involved in analyzing, interpreting and/or reporting clinical, financial, operational and/or regulatory data.

PREREQUISITES

- Associate degree in an IT-related or healthcare-related field
- Two years of work experience in an information technology, business intelligence or healthcare setting
- BTS 168 Business Data Management Tools or equivalent
- BUSIT 103 SQL Fundamentals or equivalent
- BA 240 Statistical Analysis, or MATH 130 Intro to Statistics or equivalents

LEARNING OUTCOMES

Certificate recipients should possess the following skills & abilities:

- Determine how healthcare standards relate to patient records, coding and classification systems, privacy and security
- Explore the scope and role of data and data analytics in healthcare in the context of national quality policies
- Identify and apply appropriate tools and techniques to analyze a given data set
- Describe how data analytics can support key decisions in healthcare clinical, financial and operational settings
- Develop appropriate metrics and processes to obtain data supporting key healthcare decisions
- Propose appropriate healthcare data analytic plans that include development of the research question, identification of appropriate data sets, data validation, analysis, and visualization of results
- Explain the benefits and limitations of electronic health records (EHR) as sources of healthcare data
- Debate ethical issues surrounding data privacy and security and use of secondary health data for analytics

CERTIFICATE REQUIREMENTS

A complete description of the required curriculum is shown in the worksheet. In addition to eligibility requirements, students must also achieve the following:

- Completion of 44 quarter credits in the general program requirements, with a grade of "C", or better.
- A minimum cumulative GPA of 2.0 for all coursework taken at BC and applied to the certificate, including credits transferred from other colleges
- Courses may be subject to minimum grade requirements and prerequisites. Check online at www.bellevuecollege.edu/classes/all

APPLICATION PROCESS

To be considered for the Certificate of Accomplishment in Healthcare Data Analytics, prospective students must submit the following:

- Completed general Bellevue College admission form
- Non-refundable general admission fee of $34
- Completed Healthcare Data Analytics certificate application form
- Non-refundable HCDA certificate application fee of $75
- Official transcripts from regionally accredited college(s), demonstrating completion of an appropriate associate's degree, and the prerequisite courses, with a GPA of 2.0 or higher
- Professional resume describing relevant work experience
- Personal Statement

FOR MOST UP-TO-DATE INFORMATION, GO TO:

www.bellevuecollege.edu/hci

GAINFUL EMPLOYMENT DISCLOSURE

For details about our graduation rates, the median debt of students who completed the program, and other important information, please visit *www.bellevuecollege.edu/legal/publicdisclosure*