



STUDENT NAME	STUDENT SID

## Healthcare Technology Systems

### CERTIFICATE OF COMPLETION (CCL)

#### Paradise Valley Community College (PVCC) Program Check Sheet

[www.paradisevalley.edu](http://www.paradisevalley.edu)

<b>MAJOR CODE</b>	5836	<b>PROGRAM DIRECTOR</b>	<a href="#">Abigail Rusu</a>
<b>EFFECTIVE</b>	<a href="#">Fall 2020</a>	<b>DEPARTMENT</b>	<a href="#">Business and Information Technology</a>
<b>TOTAL CREDITS</b>	37-46	<b>EMAIL</b>	abigail.rusu@paradisevalley.edu
<b>CIP CODE</b>	11.0501	<b>PROGRAM NUMBER OFFICE</b>	602)-787-6724 J 104 and J 123
<b>GPA</b>	2.00	<b>FIELD OF INTEREST</b>	<a href="#">Health Sciences</a>

### Program Description

The Certificate of Completion (CCL) in Healthcare Technology Systems degree is designed to develop the knowledge, technical skills and problem solving strategies needed by IT departments of healthcare organizations. Potential employers include hospitals, insurance companies, billing companies, medical practices, pharmacies, health solutions companies, and public agencies. Coursework and career development experiences include training in web development, programming, database management, Data Analytics, system development, project management, as well as Artificial Intelligence (AI), Machine Learning, and other emerging technologies to solve healthcare IT challenges in jobs such as an analyst, software developer, project manager, and informatics specialist. An Associate in Applied Science (AAS) in Healthcare Technology Systems is also available for students who do not have a bachelor's degree or equivalent work experience as determined by the Program Director.

### Program Notes

Students must earn a grade of C or better in all courses within the program.

BPC110 or CIS105 are not applicable if taken more than five years prior to the completion of the program. Consult with an academic advisor or program director for exceptions.

Students who already possess a bachelor's degree, or higher from an accredited institution, are allowed to pursue the Certificate of Completion (CCL) in Healthcare Technology Systems rather than the Associate in Applied Science (AAS) in Healthcare Technology Systems option. Students who do not yet have a bachelor's degree but who have the relevant work or other educational experience may speak with the Program Director to see if an exception is possible.

Students are encouraged to speak with an academic advisor or Program Director before starting the program.

### Required Courses

**Credits: 37-46**

COURSE	CRS	NOTES	COMPLETED	GRD
--------	-----	-------	-----------	-----



BPC110 Computer Usage and Applications (3) <b>OR</b> CIS105 Survey of Computer Information Systems (3) <b>OR</b> permission of Program Director	0-3			
CIS116 Computer Graphics: Introduction to Microsoft Visio	1			
CIS117DM Microsoft Access: Database Management	3			
CIS133DA Internet/Web Development Level I	3			
+ CIS150AB Object-Oriented Programming Fundamentals	3			
CIS224 Project Management Microsoft Project for Windows	3			
+ CIS276DA MySQL Database (3) <b>OR</b> + CIS276DB SQL Server Database (3)	3			
HCC130 Fundamentals in Health Care Delivery (3) <b>OR</b> permission of Program Director	0-3			
HCC145 Medical Terminology for Health Care Professionals (3) <b>OR</b> HCC145AA Medical Terminology for Health Care Professionals I (1) <b>OR</b> HCC146 Common Medical Terminology for Health Care Professionals (2) <b>OR</b> permission of Program Director	0-3			
+ HTM150 Introduction to Healthcare IT and Systems	3			
+ HTM200 Healthcare IT Software Infrastructure: Interoperability, Security and mHealth	3	Course Substitutes: CIS166AA, CIS165, CIS165DA, ITS100, ITS110		
+ HTM230 Healthcare Data Analytics, Artificial Intelligence (AI) and Machine Learning	3	Course Substitutes: CIS114DE or AIM100		
+ HTM250 Healthcare IT Systems Development Life Cycle (SDLC)	3	Course Substitute: CIS250		
+ HTM270 Healthcare IT Systems Capstone	3	Consult Program Director		
+ CIS156 Python Programming: Level I(3) <b>OR</b> + CIS159 Visual Basic Programming I(3) <b>OR</b> + CIS162AC Visual C++: Level I(3) <b>OR</b> + CIS162AD C#: Level I(3) <b>OR</b> + CIS163AA Java Programming: Level I(3)	3			
CIS165++ Any Mobile Application Development course (3) <b>OR</b> CIS166++ Any Web Scripting course(s) (3)	3			