



STUDENT NAME	STUDENT SID

## Healthcare Technology Systems

### ASSOCIATE IN APPLIED SCIENCE (AAS)

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

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

<b>MAJOR CODE</b>	3161	<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>	62-77	<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 Associate in Applied Science (AAS) 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. A standalone Certificate of Completion (CCL) is also available for students who already have a bachelor's degree or equivalent work experience as determined by the Program Director. Students can also pursue a bachelor's degree in technology or related fields.

### 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 are encouraged to speak with an Academic Advisor or Program Director before starting the program.

Students interested in pursuing the Business and Administration Interdisciplinary Studies - Technology Management 90-30, bachelor program should consult with a Northern Arizona University (NAU) transfer specialist at their campus.

### Required Courses

**Credits: 40-49**

COURSE	CRS	NOTES	COMPLETED	GRD
BPC110 Computer Usage and Applications (3) OR CIS105 Survey of Computer Information Systems (3)	0-3			



OR permission of Program Director				
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) OR + CIS276DB SQL Server Database (3)	3			
HCC130 Fundamentals in Health Care Delivery (3) OR permission of Program Director	0-3			
HCC145 Medical Terminology for Health Care Professionals (3) OR HCC145AA Medical Terminology for Health Care Professionals I (1) OR HCC146 Common Medical Terminology for Health Care Professionals (2) OR 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		
+ HTM280 Healthcare Technology Systems Career Strategies	3	Consult Program Director		
+ CIS156 Python Programming: Level I (3) OR + CIS159 Visual Basic Programming I (3) OR + CIS162AC Visual C++: Level I (3) OR + CIS162AD C#: Level I(3) OR + CIS163AA Java Programming: Level I (3)	3			
CIS165++ Any Mobile Application Development course (3) OR CIS166++ Any Web Scripting course(s) (3)	3			

**General Education Requirements**

**Credits: 22-28**

**FIRST-YEAR COMPOSITION**

**Credits: 6**

COURSE	CRS	NOTES	COMPLETED	GRD
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+ indicates course has prerequisites and/or corequisites  
++ indicates any suffixed course(s)



+ ENG101 First-Year Composition (3) OR + ENG107 First-Year Composition for ESL (3)	3			
+ <a href="#">ENG102</a> First-Year Composition (3) OR + <a href="#">ENG108</a> First Year Composition for ESL (3) OR + <a href="#">ENG111</a> Technical and Professional Writing (3)	3			

**ORAL COMMUNICATION**

**Credits: 3**

COURSE	CRS	NOTES	COMPLETED	GRD
Any approved general education course from the (COM) area.	3	COM225 is recommended for students transferring to Northern Arizona University (NAU).		

**CRITICAL READING**

**Credits: 0-3**

COURSE	CRS	NOTES	COMPLETED	GRD
+ CRE101 College Critical Reading and Critical Thinking (3) OR equivalent as indicated by assessment	0-3			

**MATHEMATICS**

**Credits: 3-6**

COURSE	CRS	NOTES	COMPLETED	GRD
Any approved general education course in the Mathematics area	3-6	Recommend MAT14X or MAT15X for students seeking university transfer.		

**HUMANITIES, ARTS AND DESIGN**

**Credits: 3**

COURSE	CRS	NOTES	COMPLETED	GRD
Any approved general education course from the [HU] area.	3			

**SOCIAL-BEHAVIORAL SCIENCES**

**Credits: 3**

COURSE	CRS	NOTES	COMPLETED	GRD
Any approved general education course from the [SB] area.	3			

**NATURAL SCIENCES**

**Credits: 4**

COURSE	CRS	NOTES	COMPLETED	GRD
Any approved general education course from the [SG/SQ] area.	4			