

INFORMATICS/PACS SPECIALIZATION

Program Code: HSBSMDIC

Meta-Major: HSCI

Location(s): Melbourne, Palm Bay

Delivery Method(s): On-Campus, Hybrid

Previous Degree Required: AS/AA

Eligible for Financial Aid: Yes

Additional Limited Access Application Process Required: No

Program Testing Requirements:

Classification of Instructional Programs (CIP) Code: 51.2211

Florida Department of Education CIP Code: 1105122111

Students can only select one major and one specialization. Students may receive a specific A.S./B.A.S. degree only one time. While students may take courses from multiple specializations, however, the degree will be awarded only once.

The Applied Health Sciences BAS, Medical Imaging Sciences: Informatics/PACS (Picture Archiving and Communication System) specialization is used primarily in healthcare organizations to securely store and digitally transmit electronic images and clinically-relevant reports. The technology focused coursework allows imaging professionals registered in Radiography, Sonography, Nuclear Medicine or Radiation Therapy to expand their career options through this unique program. Many of the courses are available online. [Visit the program page for more details and how to apply.](#)

Specialization Requirements

Code	Title	Credit Hours
Informatics/PACS		
Complete Associate Degree		60
General Education or Technical Concentration		
Student will take 21 credits to satisfy general education requirements (36 general education credits are required).		21
Applied Health Science Core Courses		
HSC 3741 or ENC 3241	Writing for Healthcare Professionals Technical Writing for Professionals	3
ISC 3523	Applied Scientific Thinking	3
Informatics/PACS Major Courses		
COP 2700	Database Techniques	3
COP 3703	Database Design and Architecture	3
CTS 1329	Microsoft Client O/S	3
CTS 1383	Microsoft Server O/S - Installation and Configuration	3
CTS 2411	Information Storage Management	3
CTSC 1134	Network+	3
ISM 3011	Introduction to Information Technology Management	3
ISM 3113	Information Systems Analysis and Design	3
ISM 3320	Information Systems Control	3
ISM 4220	Network Management for Informational Professionals	3

ISM 4300	Information Systems Operations Management	3
Total Credit Hours		120

Learning Outcomes: Medical Imaging Informatics/PACS Bachelor of Applied Science Specialization

- Design an object-oriented design model for an Information System.
 - Core Ability Supported: Think Critically and Solve Problems
- Explain network troubleshooting methods.
 - Core Ability Supported: Think Critically and Solve Problems
- Manage database with Structured Query Language (SQL).
 - Core Ability Supported: Process Information
- Explore information system organization frameworks, strategies, roles, and risks
 - Core Ability Supported: Think Critically and Solve Problems