

## HEALTH SCIENCE, Associate in Applied Science Degree - 3656

### *Health & Public Service Department*

The Health Science AAS program is a degree-completion program designed specifically for actively credentialed, or licensed, health care professionals currently working in their fields. Students select courses from one of the seven areas of concentration: **Dental Assistant; Management/Marketing; Paramedic; Pediatric Imaging, Radiology, Vascular Imaging, and Gerontology**. Students who possess, or are eligible to sit for, a primary certification from an approved medical imaging board are able to enroll in the Radiologic Imaging option of this program.

Each student's credential and employment verification letter must be received and reviewed. After evaluation, qualified applicants are awarded 30-credits towards the Health Science degree. **This is a selective admissions program.** All of the options within this program are available at one or more of the College's campus locations, as well as through Virtual Learning. It is recommended that the student consult with their program advisor as to the location and availability of courses within their chosen option.

*Selective Program:* Entry into this program is not guaranteed with admission to the College; specific admissions criteria must be met. Please see the Health Careers website ([www.hacc.edu/healthcareers](http://www.hacc.edu/healthcareers)), or contact us by email at: [start@hacc.edu](mailto:start@hacc.edu) for specific information on program entry requirements.

### *Career or Transfer Opportunities*

Graduates are qualified to seek employment in the Dental Assistant, Management/Marketing, Paramedic, Pediatric Imaging, Radiology, Vascular Imaging, and Gerontology areas or to pursue further academic study. This program also prepares currently employed healthcare clinicians for upward mobility within their organizations.

### *Competency Profile*

This curriculum is designed to prepare students to:

#### **Expanded Function Dental Assistant (EFDA) Concentration**

- Apply concepts of restorative terminology, tooth anatomy, and restorative dental materials to restorative procedures
- Demonstrate skills to meet the requirements established by the Pennsylvania State Board of Dentistry
- Demonstrate basic competency for placing and finishing amalgam and composite resin restorations on patients
- Demonstrates ethical conduct in restorative care and decision making
- Write and speak effectively

#### **Management/Marketing Concentration**

- Demonstrate competencies needed to gain employment in the physician practices, hospitals, or vendors in the medical areas
- Demonstrate proficiency in all aspects of medical management for the hospital and/or physician practice
- Demonstrate the concepts of marketing to target audiences
- Discuss human resource issues in the hospital or medical office
- Incorporate Healthcare Law and Ethics into the changing healthcare environment
- Write and speak effectively

#### **Paramedic Concentration**

- Demonstrate paramedic skills associated with established standards and procedures for a variety of patient encounters
- Communicate effectively with others
- Demonstrate professional behavior
- Work effectively with other healthcare professionals
- Explain how paramedic/EMS specialized training fits into the overall healthcare delivery system

#### **Pediatric Imaging Concentration**

- Demonstrate competencies needed to gain employment in the physician practices and hospitals that provide pediatric cardiology
- Demonstrate knowledge of medical imaging modalities and their uses

- Demonstrate the concepts of patient care in pediatric cardiology
- Use medical imaging equipment for diagnosis and treatment of cardiovascular patients
- Write and speak effectively
- Implement current technologies and procedures

### **Radiologic Imaging Concentration**

- Demonstrate competencies needed to gain employment in the physician practices, hospitals, or with vendors in the medical areas
- Demonstrate knowledge of medical imaging modalities and their uses
- Demonstrate the concepts of patient care in medical imaging
- Use medical imaging equipment for diagnosis and/or treatment of patients
- Write and speak effectively

### **Gerontology Concentration**

- Demonstrate competencies of the workplace in understanding the demographics of aging as well as the physical, mental, social and psycho-social aspects of aging
- Demonstrate awareness of basic principles of gerontology applied to social, health and legal/ethical issues in the aging population
- Demonstrate competencies to gain employment in the continuum of health care for the aging population as well as activity professional, marketing and management, and social services areas in long-term care, assisted living and home health care.
- Write and speak effectively

### **Vascular Imaging Concentration**

- Demonstrate competencies needed to gain employment in the physician practices and hospitals that provide vascular imaging procedures
- Demonstrate knowledge of medical imaging modalities and their uses
- Demonstrate the concepts of patient care in vascular imaging
- Use medical imaging equipment for diagnosis and treatment of cardiovascular patients
- Write and speak effectively
- Implement current technologies and procedures

### **PROGRAM REQUIREMENTS (TOTAL CREDITS = 62)**

<b>General Education</b>		<b>Major Requirements</b>		<b>Other Required Courses</b>	
ENGL 101 English Composition I	3	AH 210 Health Care Law & Ethics	3	Allied Health Block Transfer**	30
COMM 101 Effective Speaking (or)	3	Concentrations***	<u>12</u>		
COMM 203 Interpersonal Communication	(3)		15		
Humanities & Arts Elective*	3				
Mathematics or Science Elective (MATH 100 or higher)	3				
Social & Behavioral Science Elective	3				
First-Year Seminar Elective	1				
Wellness	<u>1</u>				
	17				

\*Students are to select courses from the following: ART 181 or 182; ENGL 206; HUM 101, 115 or 201; MUS 104; PHIL 200; THTR 101; or a foreign language course. Highly recommend SPAN 104.

\*\*Credits are awarded to students who have a credential and are currently employed in the health care field.

\*\*\*Choose 12 or 14 credits from one of the six concentrations listed below:

<b>Expanded Function Dental Assistant (EFDA) Concentration</b>	<b>12</b>	<b>Management/Marketing Concentration</b>	<b>12</b>
DA 252 Expanded Functions I	3	AH 213 Introduction to Medical Insurance	3
DA 253 Expanded Functions II	3	Concentration Electives	9
NUTR 104 Nutrition	3	<i>Select electives from the following courses:</i>	
SOCI 201 Introduction to Sociology	3	ACCT 101 Principles of Accounting I	(4)
<i>DA courses are restricted to students who possess the Dental Assisting National Board (DANB) Certified Dental Assistant (CDA) credential.</i>		MGMT 201 Principles of Management	(3)
<b>Paramedic Concentration</b>	<b>12</b>	MGMT 203 Human Resources Management (or)	
EMS 238 Introduction to Rescue	3	MGMT 204 Human Relations in Business	(3)
EMS 240 Introduction to EMS System	3	MGMT 226 Principles of Leadership	(3)
EMS 241 Externship (EMS 240 is the prerequisite)	3	MKTG 201 Principles of Marketing	(3)
PSYC 101 Introduction to Psychology	3	<b>Gerontology Concentration</b>	<b>12</b>
SOCI 201 Introduction to Sociology	3	GERT 104 Introduction to Gerontology – Service Learning	1
<i>This concentration is restricted to students who possess the National Registered Paramedic (NRP) and/or the PA EMT-P credential.</i>		GERT 105 Careers in Gerontology	1
<b>Paramedic Imaging Concentration</b>	<b>14</b>	Any GERT Courses	10
Any CVT course numbered 231 or above. These courses are Restricted to students who possess any of the following credentials: Registered Diagnostic Cardiac Sonographer (RDCS), Registered Cardiac Sonographer (RCS), or the Registered Diagnostic Medical Sonography (RDMS).		<b>Radiologic Imaging Concentration</b>	<b>12</b>
		<i>Any RADT course 220 or above. These courses are restricted to Students who possess, or are eligible to sit for, a primary certification from an approved medical imaging board.</i>	
		<b>Vascular Imaging Concentration</b>	<b>12</b>
		<i>Any CVAS course numbered 235 or above. These courses are Restricted to students who possess any of the following credentials: Registered Diagnostic Cardiac Sonographer (RDCS), Registered Cardiac Sonographer (RCS), or the Registered Diagnostic Medical Sonography (RDMS).</i>	

### RECOMMENDED SEQUENCE FOR FULL-TIME STUDENTS

Part time students can complete this program by taking one or more courses each semester.

Fall Semester I	Spring Semester I	Fall Semester II	Spring Semester II
COMM 101 or 203	3	AH 210	3
ENGL 101	3	Math/Science Elective	3
FYS Elective	1	Wellness	1
Humanities/Arts Elective	3		
Social/Behavioral Science Elective	3	Concentration Courses	6 or 7
		Concentration Courses	6 or 7