

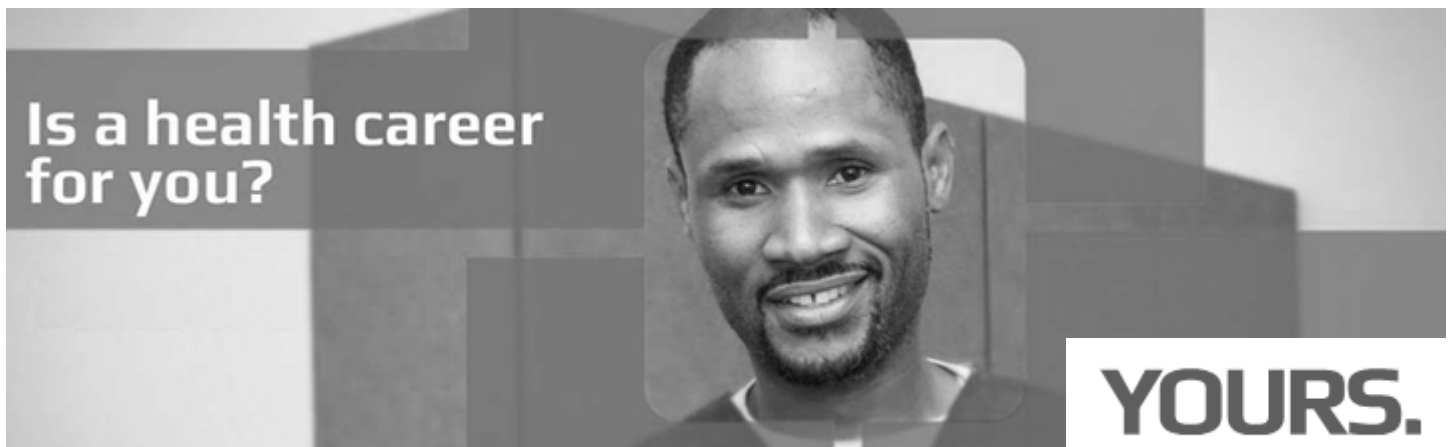
Fall 2024/Spring 2025

(9/24/24)

Health Careers



<https://www.hacc.edu/healthcareers>



Addiction & Recovery Services
Cardiovascular Technology (CVT) – Cardiac Sonography, Cardiology Tech, Invasive CVT
Certified Recovery Specialist/Certified Family Recovery Specialist
Community Health Worker
CPR, BLS, ACLS, PALS, AED, First Aid
Dental Assisting & Expanded Function Dental Assistant (EFDA)
Dental Hygiene
Diagnostic Medical Sonography (DMS)
EMT, Advanced EMT & Paramedic
Health Care Management
Health Science
Human Services / Social Services
Massage Therapy / Orthopedic Massage
Medical Assisting / Physician Office Assistant

Medical Coding
Medical Laboratory Technician
Nursing - RN & LPN & Reactivation & Nurse Aide
Nursing Home Administrator
Personal Care Home Administrator
Personal Trainer
Pharmacy Tech
Phlebotomy
Pre-Health Professions
Pre-Hospital Registered Nurse
Radiology Informatics
Radiologic Technology (X-ray) & CT & MRI
Reflexology
Respiratory Therapy
Surgical Technology
Wellness & Health Promotion

Thank you for your interest in the health career programs at HACC, Central Pennsylvania's Community College. We offer over 30 health career programs (credit and noncredit) at our Gettysburg, Harrisburg, Lancaster, Lebanon and York campuses. For your convenience, the pre-clinical (general education/prerequisite) courses are often offered during the evening and weekends, as well as during the day, and at all five campuses, on-line and other off-campus sites.

Health career programs at HACC are selective and competitive enrollment programs. All health career students are initially enrolled at HACC as *pre-health professions* students (i.e. Pre-Nursing, Pre-Respiratory, etc.) and must apply for the clinical phase of the program after completing minimum admission criteria (consult with your advisor and refer to Health Careers web pages). ***Admission to the college doesn't guarantee admission to the clinical component of the program.***

Clinical students are those who have been officially selected and admitted to the program and are taking program theory and clinical coursework (NURS, RADT, RESP, etc. designation).

- These are selective admission professional programs. **Admission into the college does *not* guarantee admission into the clinical phase of the program. Talk to your advisor – don't self-advise! See the Health Careers website (www.hacc.edu/healthcareers) for specific admission criteria for all programs.**
 - Medical Assisting, MLT, Radiology Informatics are not selective
- **You can take the pre-clinical (general education/supporting courses) at any time and at any HACC location (or online) that suits your schedule.** The clinical/core component of the programs is taken only at a campus specified in the program description.
- **On the Health Careers website, review the program essential requirements and admissions criteria. We recommend that you do this right away. Essential requirements are conditions of admission to and continuation in clinicals.**
- **SHADOW! And attend an INFORMATION SESSION** Unsure about what career is right for you? We encourage you to arrange a shadowing experience or attend a hospital open house and program information session. (Some programs require job shadowing—refer to Admission Criteria for details). A schedule of planned events is listed on our web page - <https://www.hacc.edu/ProgramsandCourses/Programs/HealthCareers/Health-Careers-Information-Sessions.cfm>.
- Submission of **PA Child Abuse History Clearance, State Police Criminal Record Check, FBI check and drug and alcohol screening** required (at the student's expense) for entrance to (upon acceptance to clinicals) and continuation in the program's clinical component. Students with criminal backgrounds interested in admission into the clinical portion of any health career program at HACC must follow the [Prohibitive Offense Procedure](#) for Health Career Programs.
 - **Students are expected to be honest in all their academic endeavors.** The College views academic dishonesty as a serious breach of conduct. Any verifiable act of dishonesty will be dealt with following college policy.
- **Want a great source of career information?** The CareerOneStop (www.careeronestop.org) is a wonderful source of information about careers. The site includes videos, salary statistics, educational requirements, and employment outlook for many healthcare careers.

Where possible, employment statistics are from the US Department of Labor, Bureau of Labor Statistics (BLS) current Occupational Outlook Handbook. Salary statistics are from the BLS for PA or from Salary.com. Salaries updated February 2022.

COVID-19 Immunization Requirements of Clinical Facilities

HACC, Central Pennsylvania's Community College, is accredited by The Commission on Higher Education of the Middle States Association of Colleges and Schools.



MIDDLE STATES COMMISSION ON HIGHER EDUCATION
3624 Market Street, Philadelphia, PA 19104-2680. Tel: 267-284-5000. Fax: 215-662-5501
www.msche.org

HACC does not discriminate in employment, student admissions, and student services on the basis of race, color, religion, age, political affiliation or belief, sex, national origin, ancestry, disability, place of birth, General Education Development Certification (GED), marital status, sexual orientation, gender identity or expression, veteran status, genetic history/information or any other legally protected classification.

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HOW DO I GET STARTED?

CREDIT PROGRAMS - Who May Apply

HACC, Central Pennsylvania's Community College, fulfills its mission of open access by granting admission to all those who complete an application; have a high school diploma or equivalent; are 18 years or older; and have the ability, in the judgment of the College, to benefit from the educational program to be pursued. Students who do not meet these criteria may be admitted under special circumstances.

BEFORE APPLYING – Check program **Essential Requirements** and program **Admissions Criteria** on the [Health Careers website](http://www.hacc.edu/healthcareers). (www.hacc.edu/healthcareers) **Health Career programs are selective and competitive. Admission to the college does not guarantee admission to the clinical/core phase of the program.**

You will be admitted as a *pre-health profession program* student (except Medical Assisting, MLT and Radiology Informatics) and must apply for the clinical phase of the program after completing minimum admission criteria. *You will discuss these admission requirements as part of your advising process.*

CREDIT PROGRAMS - Step By Step Guide for New Students at all HACC locations

Please click this link <https://www.hacc.edu/Admissions/index.cfm> to review your admissions steps based on your student type.

For questions, please email start@hacc.edu or call 800-ABC-HACC and request to speak to Admissions.

General questions? Please contact an [Admissions Counselor](#), by phone at 800-ABC-HACC, or by email at start@hacc.edu

WORKFORCE - NONCREDIT HEALTHCARE - PROGRAMS – Enrollment/Registration

To register for noncredit classes use one of the following methods:

- In person at any campus Welcome Center
- By phone – call the registration office – 717-780-2414
- Online – www.hacc.edu

Registration fee is due at the time of registration and can be paid with a credit card.

NONCREDIT PROGRAM COURSE LISTINGS AND COMPLETE REGISTRATION INFORMATION:
www.hacc.edu - select **Programs and Courses – Workforce Development**

Noncredit Scholarships - The HACC Foundation offers scholarships to students enrolling in noncredit courses. Please learn more about the noncredit scholarship application below.

Veterans Education Benefits: Non-credit healthcare programs which result in a certificate upon completion are approved for veterans' education benefits. VA benefits are based on the length of the class and the number of clock hours per week. Benefits are determined by the Department of Veterans Affairs. Tuition must be paid in advance since VA benefits are disbursed on a post-payment basis. Information on veterans' education benefits is available from the [Military and Veterans Affairs Office](#) 717-736-4149 or e-mail vaoffice@hacc.edu or on the web – www.hacc.edu – select \$ Paying For School – Can I Get Financial Aid – [Veterans Benefits](#).

[COVID-19 Immunization Requirements of Clinical Facilities](#)

Credit Health career programs at HACC are selective and competitive enrollment programs. All health career students (except Medical Assisting, MLT and Radiology Informatics) are initially enrolled at HACC in the *Pre Health Professions Program* and must apply for the clinical phase of the program after completing minimum admission criteria (consult with your advisor and refer to Health Careers web pages). Admission to the college doesn't guarantee admission to the clinical component of the program.

See [Admission Criteria](#) on the Health Careers website – www.hacc.edu/healthcareers - for specifics for each program

ADDITIONAL REQUIREMENTS PRIOR TO STARTING THE CLINICAL PORTION OF A HEALTH CAREER PROGRAM (after acceptance in to clinicals)

Additional information and required forms will be provided to you upon acceptance into clinicals. Failure to provide all the necessary documentation before the established deadline could lead to denial of admission into the clinical program.

The following requirements must be completed (at the student's expense) after being selected for, but prior to starting the clinical portion of the program (and after the first year in the program): physical examination and immunizations, background checks, drug and alcohol screens and CPR certification. The student should consider these factors before enrolling. If the student has any questions regarding this, he or she should contact the program director.

No student will be admitted with a disqualifying result or failure to meet the specified deadline.

Students with criminal backgrounds interested in admission into the clinical portion of any health career program at HACC must follow the Prohibitive Offense Procedure for Health Career Programs.

[COVID-19 Immunization Requirements of Clinical Facilities](#)

General questions? Please contact an [Admissions Counselor](#), by phone at 800-ABC-HACC, or by email at start@hacc.edu

Other frequently requested contact information

Nurse Aide – nurseaide@hacc.edu

CPR Classes – cpr@hacc.edu

EMT Classes - emstrng@hacc.edu

Massage Therapy program - 717-221-1386 or to schedule a massage - 717-221-1317

PHRN (Pre-Hospital RN) - Email emstrng@hacc.edu for inquiry or apply online at HACC.edu or e-mail the Program Coordinator, Kimmin Kalyaniwala, at kkalyani@hacc.edu. (North Hall 101)

Dental Treatment Facility-Harrisburg Campus-Select Medical Bldg Rm 102 - for appointments - 717-780-2441

Financial Aid - 717-780-2330 – FinancialAid@hacc.edu

Records (transcript evaluation) - 717-780-2373 – record@hacc.edu

Student Accounts - 717-780-2378 (Welcome Center)

Summary of Health Career Programs at HACC

You can take the pre-clinical (general education/supporting courses) at any time and at any HACC location that suits your schedule. The clinical/core component of the programs is taken only at a campus specified below.

| Program | Harris burg | Lanca ster | Gettys burg | Leba non | York | *Clinicals Can be Done Part-Time/ Eves |
|---|--------------------|---------------|-------------------|-------------|-----------------------|---|
| CERTIFICATE PROGRAMS | | | | | | |
| Dental Assistant – 40 credits | X | | | | | |
| Medical Assistant – 30 credits | X | | X | | X (spring 2025) | Externship required 160 hrs (min 23 hrs/wk-7 wks) |
| Practical Nurse – 53 credits | X | X | | | X | |
| Radiology Informatics – 31 credits | ONLINE ONLY | | | | | No clinicals |
| CAREER ASSOCIATE DEGREE PROGRAMS | | | | | | |
| Addiction & Recovery Services – 60 credits | X | X | | | X | 125 hour practicum |
| Cardiac Sonographer (Echocardiographer) – 63 credits | | X | | | | |
| Cardiovascular Technologist – Invasive – 66 credits | | X | | | | |
| Dental Hygienist – 77 credits | X | | | | | |
| Diagnostic Medical Sonographer – 69 credits | X | | | | | |
| Health Science – 62 credits | X | X | X | X | X | No clinicals |
| Human Services - 60 credits | X | X | X | | X | 125 hour practicum |
| Medical Lab Technician – 67 credits | X | | | | | |
| Nursing– 67 credits | X | X | X | | X | X (Hbg,Lanc,York) |
| Radiologic Technologist – 75 credits CT– 13.5 (+2 cr optional clinical course) credits MRI – 14 credits | | X X | | | | MRI –all online |
| Radiology Informatics – 62 credits | ONLINE ONLY | | | | | No clinicals |
| Respiratory Therapist – 68 credits | X | | | | | |
| Surgical Technologist – 63 credits | X | | | | | |
| Wellness and Health Promotion- 60 credits | ONLINE ONLY | | | | | No clinicals |
| TRANSFER ASSOCIATE DEGREE PROGRAMS | | | | | | |
| Pre Health Professions – 61 credits | X | X | X | X | X | No clinicals |
| Social Services – 63 credits | X | X | X | | X | 125 hour practicum |
| WORKFORCE DEVELOPMENT / NONCREDIT | | | | | | |
| Cardiology Technician – 165 hours (blended) | X | | | | | Zoom & in person |
| Certified Recovery Specialist / Certified Family Recovery Specialist | | | | | X | No clinicals |
| EMT – 220 hours (required for Advanced EMT & paramedic) | X | X | X | X | | No clinicals |
| EMT - Advanced EMT (required for paramedic) - 176 class hours and 124 clinical hours | X | X | | | X | X |
| Massage Therapist – 600 hours (7 mos FT; 1 yr PT) | X | | | | | X |
| Medical Coding Specialist – 250 hours (11 mos PT) | X | X | | | | No clinicals |
| Nurse Aide (NA)–120 hours (19 days) | X | X | Offered statewide | | | X (times vary) |
| Nurse (RN/LPN) Reactivation – redevelopment for Jan 2025 | X | | | | | X (weekends) |
| Nurse (RN/LPN) Refresher – 136 hours (6 weeks) | X | | | | | No clinicals |
| Nursing Home Administrator - 120 hours, 16 weeks | | X | | | | Licensure prep |
| Paramedic | X | | | | | X |
| Personal Care Home Administrator -100 hours (blended format) | X | | | | | X Online & in person |
| Personal Trainer – 180 hours (blended format) | X | | | | X | No clinicals |
| Pharmacy Technician – 138 hours (online) | X | | | | | Offered completely online. No clinicals |
| Phlebotomy Technician – 180 hours (7 wks FT days/17 wks PT evenings) | X | X | X | X | | X (clinicals can be daytime or evening) |
| Physician Office Assistant - 223 hours | X | X | X | | X | |
| Pre-Hospital RN (PHRN) (for RNs)- classroom portion – 128 hours | X | | | | | X (96 hours at student's convenience) |
| Reflexologist - 112 hours (PT weekends) | X | | | | | No clinicals |

Academic Accreditation

The Middle States Commission on Higher Education is an institutional accrediting agency. It is recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation. It accredited HACC initially in April of 1967. They reaffirmed this accreditation most recently on June 21, 2018. [Learn more about HACC's Middle States Commission on Higher Education.](#)

Middle States Commission on Higher Education:
3624 Market Street
Philadelphia, PA 19104
267-284-5000

The Pennsylvania Department of Education has authorized HACC to award the Associate's degree. Specific programs receive national accreditation.

Cardiovascular Technology - Both Invasive and Sonography programs
Commission on Accreditation of Allied Health Education Program (CAAHEP)
9355 - 113th Street, N, #7709
Seminole, FL 33775
727-210-2350
Fax: 727-210-2354
email: mail@caahep.org

Dental Hygiene - Commission on Dental Accreditation of the American Dental Association, www.ada.org/en/coda

Dental Assisting - Commission on Dental Accreditation of the American Dental Association

Diagnostic Medical Sonography (DMS) - Commission on Accreditation of Allied Health Education Programs (CAAHEP). This is based on the recommendation by the Joint Review Committee (JRC) on Education in Diagnostic Medical Sonography.

CAAHEP
9355 - 113th St. N, #7709
Seminole, FL 33775
Phone: 727-210-2350
Fax: 727-210-2354
Email: mail@caahep.org
<https://www.caahep.org/>

JRCEDMS
6021 University Blvd, Ste #500
Ellicott City, MD 21043
Phone: 443-973-3251
Fax: 866-738-3444

<https://www.jrcdms.org/>

Emergency Medical Technician –
Pennsylvania Bureau of Emergency Medical Services
1310 Elmerton Ave Room 166
Harrisburg, PA 17110
Phone: (717) 787-8740
<https://www.health.pa.gov/topics/EMS/Pages/EMS.aspx>

Massage Therapy – National Certificate Board for Therapeutic Massage and Bodywork (NCBTMB)
1901 S. Meyers Road, Suite #240
Oakbrook Terrace, IL 60181
800-296-0664
www.ncbtmb.org

Medical Laboratory Technician —National Accrediting Agency for Clinical Laboratory Science (NAACLS)
NAACLS
5600 North River Road, Suite 720
Rosemont, IL 60018-5119
773-714-8880
info@naacls.org
www.naacls.org

Nursing - Associate Degree Nursing (RN) and Practical Nursing (LPN) at Harrisburg Area Community College (*HACC, Central Pennsylvania's Community College*), located at ONE HACC Drive, Harrisburg PA 17110-2999 is accredited by the Accreditation Commission for Education in Nursing (ACEN):

3343 Peachtree Road NE, Suite 850

Atlanta, Georgia 30326

Phone: 404-975-5000

Fax: 404-975-5020

Email: info@acenursing.org

Web: www.acenursing.org

- The Practical Nursing (LPN) certificate:
 - Was originally accredited in May 1991
 - The most recent accreditation decision made by the ACEN Board of Commissioners (September 2019) for the Practical Nursing program is Continuing Accreditation.
 - You may view the public information disclosed by the ACEN regarding this program at <http://www.acenursing.us/accreditedprograms/programSearch.htm>
- The Associate Degree Registered Nursing Program:
 - Was initially accredited in January 1987
 - The most recent accreditation decision made by the ACEN Board of Commissioners (September 2019) for the Associate Degree Registered Nursing program is Continuing Accreditation.
 - You may view the public information disclosed by the ACEN regarding this program at <http://www.acenursing.us/accreditedprograms/programSearch.htm>

Paramedic - Commission on Accreditation of Allied Health Education Programs ([CAAHEP](http://CAAHEP.org))

CoAEMSP

8301 Lakeview Parkway

Suite 111-312

Rowlett, TX 75088

Phone: 214.703.8445

<https://coaemsp.org/>

and

Pennsylvania Bureau of Emergency Medical Services

1310 Elmerton Ave

Room 166

Harrisburg, PA 17110

PHONE: (717) 787-8740

<https://www.health.pa.gov/topics/EMS/Pages/EMS.aspx>

Radiologic Technology —Joint Review Committee on Education in Radiologic Technology (JRCERT)

JRCERT

20 North Wacker Drive, Suite 2850

Chicago, IL 60606-3182

312-704-5300

mail@jrcert.org

Respiratory Therapist (Program #200296) —[Commission on Accreditation for Respiratory Care \(www.coarc.com\)](http://www.coarc.com)

COARC

264 Precision Blvd

Telford, TN 37690

817-283-2835

CoARC accredits respiratory therapy education programs in the United States. To achieve this end, it utilizes an 'outcomes based' process. Programmatic outcomes are performance indicators that reflect the extent to which the educational goals of the program are achieved and by which program effectiveness is documented.

Surgical Technology —[Commission on Accreditation of Allied Health Education Programs \(CAAHEP\)](http://CAAHEP.org) based on the recommendation of the Accreditation Review Committee on Education in Surgical Technology.

ADDICTION & RECOVERY SERVICES

Associate in Applied Science Degree – 5516 – Harrisburg, Lancaster, York
Social Science Department

The Addiction and Recovery Services AAS degree is a specialized program that prepares students to work as human service professionals, who work directly with individuals being served through Drug and Alcohol Rehabilitation and Recovery Centers. Students are required to complete a Pennsylvania Child Abuse History Clearance, FBI Criminal Background Check, and a State Police Criminal Record Check prior to enrollment into the practicum course. If the student has any questions regarding this, he or she should contact the Program Director or Practicum Coordinator. This program can be completed at the Harrisburg, Lancaster and York Campuses.

Career Opportunities

Graduates of this program receive the training and education for entry-level positions in rehabilitation centers for alcohol and drug dependence and addictions.

Competency Profile

This curriculum is designed to prepare students to:

- Describe drug and alcohol use from historical, social, biological, and psychological perspectives
- Summarize current counseling approaches and treatment trends in drug and alcohol treatment
- Identify the symptoms and behaviors that constitute the basis for diagnostic assessments
- Establish and maintain effective and culturally-competent relationships with clients
- Conduct effective crisis and brief intervention counseling
- Apply ethical principles and laws to professional practice

| PROGRAM REQUIREMENTS (TOTAL CREDITS = 60) | | | |
|--|----|---|------|
| General Education | | Major Requirements | |
| ENGL 101 English Composition I | 3 | HUMS 100 Introduction to Human Services | 3 |
| COMM 101 Effective Speaking (or) COMM 203 | 3 | HUMS 108 Drugs & Alcohol: Use & Abuse | 3 |
| Humanities & Arts Elective | 3 | HUMS 109 Drugs & Alcohol: Issues & Treatment | 3 |
| Mathematics or Science Elective - MATH 111 | 3 | HUMS 122 Skills & Methods in Human Services II | 3 |
| Social & Behavioral Science Elective - PSYC 101 | 3 | HUMS 200 Group Work Practice | 3 |
| First-Year-Seminar Elective | 1 | HUMS 215 Fieldwork Practicum | 4 |
| Wellness | 1 | HUMS 216 Crisis & Brief Intervention Counseling | 3 |
| | 17 | HUMS 217 Addictions Counseling Interventions | 3 |
| Other Required Courses | | HUMS 218 Co-Occurring Disorders | 3 |
| SOC1 201 Intro to Sociology | 3 | HUMS 219 Drug & Alcohol Screening & Assessment | 3 |
| Program Specific Electives * | 9 | | 31 |
| | 12 | | |
| *Students are to select from the following courses: AH 105; BIOL 111; CJ 101; ENGL 106; GERT 211, 215, 220, 232; HUMS 206; PSYC 213, 229; and SOCI 202, 203. | | | 2023 |

Questions? Contact Wendy D. Bratina, Ed.D. 717-221-1764 wbratin@hacc.edu

CARDIAC SONOGRAPHER (Echocardiographer)

Associate Degree - Lancaster

Description of Occupation - A cardiac sonographer is a highly specialized and knowledgeable health care professional who is educated and trained to perform diagnostic and imaging procedures at the request of the physician to evaluate, diagnose, and treat patients with cardiac disease. The cardiac sonographer utilizes ultrasound equipment that transmits sound waves and then collects echoes to form an image on a viewing screen. The cardiac sonographer must be proficient in various ultrasound modalities including M-mode, 2-Dimensional, Spectral Doppler, Color Flow Doppler imaging, 3D imaging, strain and strain rate images. Credentials held by registered cardiac sonographers include RDCS and RCS.

The cardiac sonographer requires specialized technical skills, critical thinking and problem solving ability, and medical knowledge including anatomy, physiology, and pathophysiology to render quality patient care; must be able to correlate related patient data, apply physics principles in order to obtain optimal images for rendering a diagnosis, and develop differential diagnoses based on patient history and examination findings.

Program Admission Criteria - *Selective program.* Admission to the college doesn't guarantee admission to the clinical component of the program. You will be admitted as a pre- CVT student and work with your advisor to apply to the clinical/core component of the program. Check the [Health Careers website](http://www.hacc.edu/Health_Careers) for complete program admission criteria. For full information see this website - <https://www.hacc.edu/ProgramsandCourses/Programs/HealthCareers/Cardiac-Sonographer.cfm>

Length of Program and College Degree Conferred - The cardiac sonography program is 63 credits with the awarding of an Associate in Science Degree upon successful completion. Completion time can vary depending on a candidate's background and need for identified preparatory skills and coursework and the student's rate of study. The Cardiovascular Technology program has many clinical affiliates. While laboratory classes are held at the Lancaster campus it is expected that the students have their own transportation to attend field trips and a clinical rotation (which could be - rarely - up to 90 miles from the Lancaster campus). Graduates are eligible to sit for one of two exams - Registered Diagnostic Cardiac Sonographer (RDCS) through the American Registry for Diagnostic Medical Sonography (ARDMS), or Registered Cardiac Sonographer (RCS) through Cardiovascular Credentialing International (CCI). The CVT program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). The program goal is to prepare

competent entry-level cardiovascular technologists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains for adult echocardiography.

Outlook - As imaging technology evolves, medical facilities will use it to replace more invasive, costly procedures.

Salary Ranges for Geographical Area - \$82,483 median salary for echocardiograph technicians in Lancaster (using zip 17602) in Jan 2024 – Salary.com

Related Websites For Additional Information About The Career

- www.asecho.org/ www.acp-online.org www.ultrasoundcareers.org/
www.sdms.org/ www.ardms.org www.careeronestop.org

General questions? Please contact an [Admissions Counselor](#), by phone at 800-ABC-HACC, or by email at start@hacc.edu

CARDIOVASCULAR TECHNOLOGY: CARDIAC SONOGRAPHY (Echocardiography) Associate in Science

PROGRAM REQUIREMENTS (TOTAL CREDITS = 63)

| General Education | | Major | | Other Required Courses | |
|---------------------------------------|----|---|---|----------------------------------|----|
| ENGL 101 English Composition I | 3 | CVT 219 Intro to Ultrasnd Img Sys | 1 | BIOL 121 Anatomy & Physiology I | 4 |
| ENGL 102 English Composition II | 3 | CVT 220 Intro to Cardiac Sonography | 4 | BIOL 122 Anatomy & Physiology II | 4 |
| COMM 101 Effective Speaking <u>or</u> | 3 | CVT 221 Cardiac Pathophys & Echo Concepts I | 4 | MATH 111 Principles of Math | 3 |
| COMM 203 Interspers Communic | | CVT 222 Cardiac Son Phys & Instrum | 2 | CVT 100 Found of Cardio Med | 3 |
| Humanities/Arts elective | 3 | CVT 223 Cardiac Pathophys & Echo Concepts I | 4 | CVT 101 Intro to CVT | 3 |
| Social/Behavioral Science elective | 3 | CVT 224 Cardiac Son Clinical I | 4 | CVT 102 CVT Lab | 1 |
| Wellness | 1 | CVT 226 Cardiac Hemodynamics | 1 | CVT 103 Cardiovascular Clinical | 2 |
| | 16 | CVT 228 Cardiac Son Clinical II | 5 | | 47 |
| | | CVT 230 Intro to Pediatric Echo. | 2 | | |

The complete program is available at the Lancaster Campus. Prerequisites offered at all other campuses and on-line.
 A grade of C or higher is required in all CVT courses; BIOL 121 and 122.

Program Specific Courses

* CVT 100, 101, 102 must be taken before applying to clinical phase of CVT program

| Spring I | Summer I | Fall I | Spring II | Summer II | Fall II |
|----------|----------|---------|-----------|-----------|---------|
| *CVT 100 | *CVT 103 | CVT 221 | CVT 219 | CVT 224 | CVT 228 |
| *CVT 101 | | CVT 222 | CVT 220 | CVT 226 | CVT 230 |
| *CVT 102 | | | CVT 223 | | |

CARDIOLOGY TECHNICIAN

Noncredit Certificate Program
 Harrisburg

Description of Occupation - Cardiology Technicians are allied health support personnel who can work in a variety of settings. This program is ideal for the person who is interested in an expanded role in healthcare. A Cardiology Technician is a knowledgeable healthcare professional who is educated and trained to perform diagnostic procedures at the request of the physician to evaluate, diagnose, and treat patients with cardiac disease. The work place will vary from doctors' offices to hospital cardiology departments.

Cardiology technicians operate machines that record the electrical changes that occur during and between heartbeats, attaching electrodes to specified areas of the patient's body and position electrodes to record electrical variations of the heart, keep EKG machine in proper working order, and edit results of EKG for analysis and interpretation. A printout is made for interpretation by the physician. They perform Holter monitor testing. For Holter monitoring, technicians place electrodes on the patient's chest and attach a portable EKG monitor to the patient. Following 24 or more hours of normal activity by the patient, the technician removes a tape from the monitor and places it in a scanner. Cardiology Technicians assist with treadmill stress testing as well. Technicians document the patient's medical history, explain the procedure, connect the patient to an EKG monitor, and obtain a baseline reading and resting blood pressure. Next, they monitor the heart's performance while the patient is walking on a treadmill, gradually increasing the treadmill's speed to observe the effect of increased exertion. In addition to performing diagnostic cardiac procedures, they may be responsible for scheduling appointments, typing doctors' interpretations, maintaining patient files, and caring for equipment. Technicians generally work a 5-day, 40-hour week that may include weekends. They spend a lot of time walking and standing.

Program Admission Criteria - *This is a noncredit course.* A college application, school transcripts and placement testing are not required. High school diploma or GED is required. State Police Criminal Record Check and drug screening may be required for employment in the healthcare field but are not required to enter the program. Typing or keyboarding skills are helpful but not required.

Program Information - *Noncredit course.* The program is individualized and based on rotation of course offerings and student history. The program is offered evenings (a few courses are offered via internet) and is designed to be completed in approximately a year. It is offered completely in Harrisburg and Lancaster. Certain EKG courses are expected to be offered alternately between the Harrisburg and Lancaster campuses. Some classes may be available in Gettysburg, Lebanon and York as well. Quizzes and exams are given at the discretion of the instructor for each class. A Certificate of Completion will be awarded after successfully completing this program.

After completion, students can pursue the national certification credential of CCT (Certified Cardiovascular Technician) by sitting for the examination as offered by Cardiovascular Credentialing International (CCI). Completion of this program, combined with six months of work experience and the credential of CCT may allow for college credit in pursuit of either of the cardiovascular associate degrees at HACC (cardiac sonography or invasive cardiovascular technician).

Places of Employment and Outlook - Good. Growth will occur as the population ages because older people have a higher incidence of heart disease. Individuals trained in Holter monitoring and stress testing are expected to have favorable job prospects than are those who can perform only a basic EKG. Some job openings for Cardiology Technicians will arise from replacement needs as individuals transfer to

other jobs or leave the labor force. However, job growth and replacement needs will produce relatively few job openings because the occupation is small. HACC does not offer assistance in job placement for this program at this time.

Students who complete the certificate program will be qualified to work in a doctor's office, hospital pre-admission testing area, cardiology department or a variety of outpatient testing facilities.

Salary Range - \$38,800 median salary for cardiac monitor technician in Harrisburg from www.salary.com Jan 2024

Related Websites www.cci-online.org www.careerinfonet.org/ www.acp-online.org

Program Questions? Contact Noncredit Healthcare Education 717-221-1351 ct@hacc.edu (Blocker 221)

Required Courses – 165 Total Hours

Program offered completely in Harrisburg and Lancaster. Certain EKG courses are expected to be offered alternately between the Harrisburg and Lancaster campuses. Some classes may be available in Gettysburg, Lebanon, York, and on-line as well.

Prerequisite Courses

Intro to Healthcare
Cardiac Illness & Disease
Medical Terminology
Intro to Anatomy & Physiology

Core Courses

EKG Theory I
CPR Basic Life Support for Healthcare Provider
EKG Applications
Optional Elective – Cardiology Tech Certification Prep

3/20

CARDIOVASCULAR TECHNOLOGIST - INVASIVE

Associate Degree - Lancaster

Description of Occupation - A cardiovascular invasive specialist is a highly specialized and knowledgeable health care professional who is educated and trained to perform invasive diagnostic and therapeutic procedures under the direction of the physician to evaluate, diagnose, and treat patients with cardiac disease.

The cardiovascular invasive specialist assists the physician with diagnostic and interventional procedures. These procedures determine if a blockage exists and for other diagnostic purposes. RCIS is the credential held by a nationally Registered Cardiovascular Invasive Specialist.

The cardiovascular invasive specialist requires specialized technical skills, critical thinking and problem solving ability, and medical knowledge including anatomy, physiology, and pathophysiology to render quality patient care; must be able to correlate related patient data, apply physics principles in order to obtain optimal images for rendering a diagnosis, and develop differential diagnoses based on patient history and examination findings.

Program Admission Criteria - *Selective program.* Admission to the college doesn't guarantee admission to the clinical component of the program. You will be admitted as a pre-invasive CVT student and work with your advisor to apply to the clinical/core component of the program. Check the [Health Careers website](http://www.hacc.edu/ProgramsandCourses/Programs/HealthCareers/Cardiovascular-Technologist-Invasive.cfm) for complete program admission criteria. For full information see this website - <https://www.hacc.edu/ProgramsandCourses/Programs/HealthCareers/Cardiovascular-Technologist-Invasive.cfm>

Length of Program and College Degree Conferred - The invasive cardiovascular technology program is 66 credits with the awarding of an Associate in Science Degree upon successful completion. The Cardiovascular Technology program has many clinical affiliates. While laboratory classes are held at the Lancaster campus it is expected that the students have their own transportation to attend field trips and a clinical rotation (which could be - rarely - up to 90 miles from the Lancaster campus). Graduates are eligible to sit for the RCIS Registered Cardiovascular Invasive Specialist through Cardiovascular Credentialing International (CCI). The CVT program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). The program goal is to prepare competent entry-level cardiovascular technologists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains for invasive cardiovascular technology.

Outlook - As imaging technology evolves, medical facilities will use it to replace more invasive, costly procedures.

Salary Ranges for Geographical Area - \$76,403 median salary in Lancaster (using zip 17602) from Salary.com for Cardiac Catheterization Technologist. Jan 2024

Related Websites For Additional Information About The Career

www.careeronestop.org www.ama-assn.org www.acp-online.org

General questions? Please contact an [Admissions Counselor](#), by phone at 800-ABC-HACC, or by email at start@hacc.edu

INVASIVE CARDIOVASCULAR TECHNOLOGY, Associate in Science Degree

PROGRAM REQUIREMENTS (TOTAL CREDITS = 66)

General Education

ENGL 101 English Composition I 3
ENGL 102 English Composition II 3
COMM 101 Effective Speaking or 3
COMM 203 Interpers Communic 3
Humanities/Arts elective 3
Social/Behavioral Science elective 3
Wellness 1
16

Major

CVT 200 Cardiac Pathophysiology 4
CVT 210 Intro to Invasive CVT 3
CVT 211 Radiation Safety/Invasive Instrumentation 2
CVT 212 Invasive Hemodynamic Assessment 3
CVT 213 Invasive Instrumentation Lab 2
CVT 214 Interventional Cardiac Practices 4
CVT 215 Invasive Cardiovascular Clinical I 4
CVT 216 Congenital Heart Disease 1
CVT 217 Invasive Cardiovascular Clinical II 5
CVT 218 Cardiovascular Pharmacology 2

Other Required Courses

BIOL 121 Anatomy & Physiology I 4
BIOL 122 Anatomy & Physiology II 4
MATH 111 Principles of Math 3
CVT 100 Found of Cardio Med (FYS) 3
CVT 101 Intro to CVT 3
CVT 102 CVT Lab 1
CVT 103 Cardiovascular Clinical 2
50
10/23

The complete program is available at the Lancaster Campus. Prerequisites offered at all other campuses and on-line. A grade of C or higher is required in all CVT courses; BIOL 121 and 122.

Program Specific Courses

* CVT 100, 101, 102 must be taken before applying to clinical phase of CVT program

| Spring I | Summer I | Fall I | Spring II | Summer II | Fall II |
|----------|----------|---------|-----------|-----------|---------|
| *CVT 100 | *CVT 103 | CVT 200 | CVT 210 | CVT 214 | CVT 216 |
| *CVT 101 | | CVT 218 | CVT 211 | CVT 215 | CVT 217 |
| *CVT 102 | | | CVT 212 | | |
| | | | CVT 213 | | |

CERTIFIED RECOVERY SPECIALIST / CERTIFIED FAMILY RECOVERY SPECIALIST

Classes are held on a part-time basis and day and hours depend upon the HACC campus location.

Participants in this course gain the knowledge and skills needed to achieve a fulfilling career helping others overcome addiction. This course provides the student with the educational opportunity to become prepared to obtain certification as a Certified Recovery Specialist (CRS) or a Certified Family Recovery Specialist (CFRS). A CRS can provide critical support to people in addition to treatment because of their real world experience living in recovery. **Effective January 1, 2021, the Pennsylvania Certification Board requires the person enrolling in a CRS education program, to attest that they have had 18 months, in a continuous manner, of a personal lived recovery experience prior to taking the CRS program.** A CFRS candidate must possess prior experience with supporting family and/or loved ones throughout their recovery journey; they are not required to have personal lived recovery experience.

*Please note that this program is open to anyone wishing to participate; however, only those meeting specific requirements will be accepted. Please refer to the PA Certification Board's website for those specific requirements <https://www.pacertboard.org/certifications>.

Course Cost: \$998 (CRS certification exam fee is not included in tuition cost)

Please note that HACC, Central Pennsylvania's Community College, is the education provider only and our training is one part of a larger process to become a successful CRS. Participants must meet all of the other requirements before being certified.

For more information about the CRS program call the Workforce Development Healthcare Education office at 717-221-1386 or 717-221-1348 or email nchealth@hacc.edu Scholarships may be available for those who qualify.

COMMUNITY HEALTH WORKER (CHW)

Noncredit program offered Online Spring & Fall

A Community Health Worker (CHW) is a trusted individual who contributes to improved health outcomes in the community. CHWs serve the communities in which they reside or communities with which they may share ethnicity, language, socioeconomic status, or life experiences. A CHW proactively:

- serves as a liaison between communities and health care agencies;
- provides guidance and social assistance to community residents;
- enhances community residents' ability to effectively communicate with healthcare providers;
- provides culturally and linguistically appropriate health education;
- advocates for individual and community health;
- provides referral and follow-up services or otherwise coordinating care; and
- identifies and helps enroll eligible individuals in federal, state, and local private or nonprofit health and human services programs.

Completion of this 120-hour program meets the education requirement of the PA Certification Board CCHW credential. (See attached for complete certification information from the Board - https://www.pacertboard.org/sites/default/files/2020-09/PCB_CCHW_Application_19.pdf)

How long are classes? When are they held?

CHW is a 12-week course offered virtually using bi-weekly Zoom and remote (online) lecture, group work, discussion, written assignments, and quizzes. Classes begin every Spring and Fall. [Register Now!](#)

Students must:

- be 18 years or older
- have a high school diploma or GED
- be proficient in reading, writing and basic computer skills

How much does it cost and is it eligible for financial aid ?

The cost is \$1295 (plus a book - around \$94 - information provided upon registration). Federal Student Aid (FAFSA) does not apply, but students may apply for student loans - www.salliemae.com.

About the Program

Content of the program includes the following (and more):

- Serve as a liaison between communities and health care agencies
- Enhance community residents' ability to effectively communicate with healthcare providers
- Discuss the fundamental background about biological function of the human body

- Assess basic vital signs
- Provide referral and follow-up services or otherwise coordinates care
- Identify and help enroll eligible individuals in federal, state, and local private or nonprofit health and human services programs.

About the Instructor

Lamont J. Tubbs MPP, BS, C-CHW is a Certified Community Health Worker with Cincinnati Children's Hospital in the social services division of general pediatrics.

Questions? Contact Nina Kottcamp nmkottca@hacc.edu 717-221-1386 or (800) 222-4222 ext. 211386

Continuing Education for Health Care Professionals - Noncredit Courses

<http://www.hacc.edu/HealthCareers> - select Programs Offered – Noncredit Healthcare & EMS

Training available in many healthcare areas including:

- Continuing Education for Healthcare Providers
- IV Therapy
- RN & LPN Re-Entry & Reactivation
- Spanish for Healthcare Providers
- AND MORE!!!!

Contact nchealth@hacc.edu

The following EMS courses/programs are offered:

- BLS / ACLS / PALS
- Critical Care Emergency Medical Transport
- First Aid / CPR / AED
- Pre-Hospital RN (PHRN)
- AND MORE!!!!

Contact EMStrng@hacc.edu 717-780-2510

DENTAL ASSISTANT

Certificate - Harrisburg

Description of Occupation – A dental assistant is a patient advocate that must possess good communication skills, be able to evaluate the needs and desires of the patient, and have a high knowledge of dental terminology, dental procedures and oral anatomy. Responsibilities of the dental assistant may include: laboratory procedures, obtaining and pouring impressions for study models; making athletic mouth guards, bleaching trays, custom trays and temporary crowns; develop and practice sterilization techniques and procedures; chairside assisting skills which include evacuation, passing and receiving instruments, mixing and passing dental materials; giving oral hygiene instruction; perform radiographic procedures – expose, process, mount and identify; and perform office practice management tasks- telephone techniques, scheduling appointments, and knowledge of insurance procedures. Many procedures performed may expose the dental assistant to bloodborne pathogens, potentially hazardous materials and ionizing radiation.

The dental assistant greatly increases the efficiency of the dentist and is a very valuable member of the dental team.

Program Admission Criteria - Admission to the college doesn't guarantee admission to the clinical component of the program. Check the [Health Careers website](http://www.hacc.edu/HealthCareers) for complete program admission criteria. **All dental assistant students are required to meet with the program director, Rebecca Small - rpsmall@hacc.edu.** For complete information see this website - <https://www.hacc.edu/ProgramsandCourses/Programs/HealthCareers/Dental-Assistant.cfm>

Length of Program and College Degree Conferred - The dental assistant program is 39 credits in length and the awarding of a certificate upon successful completion. Completion time can vary depending on a candidate's background and need for identified preparatory skills and coursework and the student's rate of study. The complete program is available only at the Harrisburg Campus. Other required courses offered at other campuses and sites. Graduates are eligible to immediately sit for the Dental Assisting National Board (DANB) examination. A majority of other states require dental assistants to be DANB certified (CDA) or state registered. Many of the states that require state registration will accept DANB results. Graduates are eligible to continue for another 6 credits in Expanded Function. The program is accredited by the *Commission on Dental Accreditation of the American Dental Association (CODA)*. Program graduates can apply 30 credits towards [Associate in Health Science](http://www.hacc.edu/AssociateinHealthScience) degree upon successful completion of the CDA exam and obtaining employment in the field.

Places of Employment and Outlook - Ongoing research linking oral health and general health will continue to increase the demand for preventive dental services. As dental practices grow, more dental assistants will be needed.

Salary Ranges for Geographical Area – Median salary \$45,300 (for CDA) in Harrisburg, PA from [Salary.com](http://www.salary.com) Jan 2024

Related Websites For Additional Information About The Career
<http://www.ada.org/358.aspx> (American Dental Association)

General questions? Please contact an [Admissions Counselor](mailto:admissions@hacc.edu), by phone at 800-ABC-HACC, or by email at start@hacc.edu

DENTAL ASSISTING, Certificate Program

PROGRAM REQUIREMENTS (TOTAL CREDITS = 39)

| General Education | | Major | | | |
|---------------------------------|---|---------------------------------|---|-------------------------------|----|
| COMM 101 Effective Speaking | 3 | DA 170 Dental Assist Pre-Clinic | 4 | DA 177 Dental Sciences | 3 |
| BIOL 111 Intro to Human Bio | 3 | DA 171 Dental Assist I | 4 | DA 178 Dental Clinical Exp | 4 |
| <u>QR</u> BIOL 121 A&P I (4 cr) | | DA 172 Dental Materials | 4 | DA 179 Dental Clinical Exp I | 2 |
| | | DA 173 Dental Radiology I | 4 | DA 180 Dental Office Practice | 3 |
| | | DA 175 Oral Anatomy | 3 | DA 181 Preventive Dentistry | 2 |
| | | | 1 | | 39 |

Program-specific courses (taken upon acceptance into the clinical phase). Note COMM 101, BIOL 111/121 are prerequisites for the first clinical course.

| Fall | Winter | Spring |
|--------|--------|--------|
| DA 170 | DA 179 | DA 172 |
| DA 171 | | DA 177 |
| DA 173 | | DA 178 |
| DA 175 | | DA 180 |
| | | DA 181 |

The complete program is available only at the Harrisburg Campus. Prerequisites offered at all other campuses and on-line

Expanded Function Dental Assistant (EFDA)

Harrisburg

The EFDA program meets the requirements established by the Pennsylvania State Board of Dentistry and prepares students to take the written EFDA Examination that has been approved by the State Board of Dentistry. Students will achieve basic competence for placing and finishing both amalgam and composite resin restorations on patients. Upon completion of the program, students will be eligible for the EFDA examination and may apply to the State Board of Dentistry for certification.

To qualify for the program, students must have current Pennsylvania licensure as a dental hygienist OR current DANB certification as a dental assistant OR 2 years clinical experience.

How do I apply to the EFDA program? Contact program coordinator to schedule a pre-application meeting. Rebecca Small - rpsmall@hacc.edu. Admission to the college does not guarantee admission to the EFDA program.

EFDA graduates who are CDA certified through DANB can apply 30 credits towards [Associate in Health Science](#) degree.

*Information on taking the National Certification Examination for Dental Assistants necessary for acceptance into the program can be found at www.danb.org or by calling 1-800-FOR-DANB.

For more information, contact Rebecca Small rpsmall@hacc.edu

Health Science Associate in Applied Science, EFDA Concentration – 62 credits

| General Education | Credits | EFDA Concentration | 12 Cred |
|--|---------|---|---------|
| ENGL 101 | 3 | DA 252 (EFDA) | 4 |
| COMM 101 or 203 | 3 | DA 253 (EFDA) | 2 |
| Humanities/Arts elective (see below for list of courses)** | 3 | SOCI 201 | 3 |
| | | NUTR 104 | 3 |
| Social/Behavioral Science elective | 3 | | |
| Wellness | 1 | | |
| First Year Seminar (FYS) | 1 | | |
| AH 210 Law & Ethics | 3 | | |
| Math 100 (or higher) | 3 | | |
| * Students are awarded 30 credits + FYS for credential & current employment | 30 | Students may opt to only take the EFDA courses and not pursue the AAS degree. | |
| 3/8/22 | | | |

DENTAL HYGIENIST

Associate Degree – Harrisburg

For Local Anesthesia for Dental Hygienists course – contact *Noncredit Healthcare* 717-221-1351 nhealth@hacc.edu

Description of Occupation - The dental hygienist is qualified by education and licensure to provide patient assessment, including, but not limited to, review of health history, recording of vital signs, head, neck, and radiographic examination, oral cancer screening, and dental and periodontal charting. Treatment planning, patient education, administration of local anesthesia, removal of deposits and stains from the teeth and application of chemotherapeutic agents and placement of dental sealants are also integral parts of dental hygiene education. Many procedures performed may expose dental hygienists to bloodborne pathogens, potentially hazardous materials and ionizing radiation.

Candidates should be “people-orientated” and able to interact well with others as dentistry requires a team approach to patient care. Individuals should possess excellent communication and organizational skills. Adequate hand-eye coordination is needed to be able to perform the required fine motor skills inherent in the tasks.

Program Admission Criteria - *Selective program*. Admission to the college doesn’t guarantee admission to the clinical component of the program. You will be admitted as a pre-health professions student and work with your advisor to apply to the clinical/core component of the program. Check the [Health Careers website](#) for complete program admission criteria. All DH students are required to attend a mandatory information session. For complete information see this website – <https://www.hacc.edu/ProgramsandCourses/Programs/HealthCareers/Dental-Hygienist.cfm>

Length of Program and College Degree Conferred - The dental hygiene program is 77 credits with the awarding of an associate in science degree upon successful completion. Completion time can vary depending on a candidate’s background and need for identified preparatory skills and coursework and the student’s rate of study. The complete program is available only at the Harrisburg Campus. Other required courses offered at other campuses and sites. Students are responsible for recruiting their own clinic clients in the second through

fifth clinical semesters. Dental hygiene clinical students see patients at the Harrisburg Campus dental clinic during the first and second year. Second year students attend "rotation sites" one-half day a week.

Graduates of the Dental Hygiene program must successfully complete the American Board of Dental Examiners, Inc. (ADEX) Dental Hygiene Examination administered by the Commission on Dental Competency Assessments (CDCA) and the National Dental Hygiene Board Examination in order to be eligible for licensure in Pennsylvania. The CDCA Exam has two parts, a clinical exam on a live patient during the last clinical semester, and a Computer Simulated Clinic Exam (CSCE) taken at a Pro-Metric Test Center. The program is accredited by the *Commission on Dental Accreditation of the American Dental Association (CODA)*.

* This is a highly competitive program that requires completion of general education courses prior to beginning the clinical portion of the program, which increases the number of semesters required to complete the program.

Places of Employment and Outlook –Ongoing research linking oral health and general health will continue to spur the demand for preventive dental services, which are often provided by dental hygienists. Locally, most positions are part-time with full-time employment still available.

Salary Ranges for Geographical Area – Median salary \$82,552 in Harrisburg, PA from Salary.com Jan 2024. Dental hygienists may be salaried or paid hourly, daily, or on a commission basis. Benefits may be contingent upon full-time employment.

Educational Advancement - HACC has an Affiliation agreement with Pennsylvania College of Technology, as well as possible transfers to other programs for bachelor's degree completion. Franklin University offers a BS in Healthcare Management and Shippensburg University offers a BS in Healthcare Administration.

Related Websites For Additional Information About The Career

www.ada.org www.adha.org

General questions? Please contact an [Admissions Counselor](#), by phone at 800-ABC-HACC, or by email at start@hacc.edu
 Program contact information: 717-780-2490

**DENTAL HYGIENE, Associate in Science Degree
 PROGRAM REQUIREMENTS (TOTAL CREDITS = 77) Fall 2023**

Gen Education/Other Required

| | |
|------------------------------------|-----------|
| ENGL 101 English Composition I | 3 |
| ENGL 102 English Composition II | 3 |
| COMM 101 Effective Speaking | 3 |
| Humanities/Arts elective | 3 |
| Wellness | 1 |
| BIOL 121 Anatomy & Phys I | 4 |
| BIOL 122 Anatomy & Phys II | 4 |
| BIOL 221 Microbiology | 4 |
| Math 103 College Algebra | 3 |
| NUTR 104 Nutrition | 3 |
| PSYC 101 General Psychology | 3 |
| SOCI 201 Introduction to Sociology | 3 |
| | <u>37</u> |

Major

| | |
|---|-----------|
| DH 101 Theory & Clinical Experience I (fys) | 6 |
| DH 110 Dental Radiology I | 3 |
| DH 113 Clinical Experience II | 2 |
| DH 116 Med/Dental Emergencies & Theory | 3 |
| DH 120 Dental Anatomy | 2 |
| DH 150 Dental Materials | 3 |
| DH 170 Techniques in Pain Control | 2 |
| DH 180 Head/Neck Anatomy & Histology | 2 |
| DH 190 Periodontics | 3 |
| | <u>26</u> |

| | |
|-----------------------------------|-----------|
| DH 211 Theory III | 2 |
| DH 212 Clinical Experience III | 2 |
| DH 223 Theory IV | 2 |
| DH 224 Clinical Experience IV | 2 |
| DH 230 Oral Pathology | 2 |
| DH 235 Community Dental Health Ed | 2 |
| DH 240 Pharmacology | <u>2</u> |
| | <u>14</u> |

3/23

RECOMMENDED SEQUENCE FOR FULL-TIME STUDENTS

| Summer I | Fall Semester I | Spring Semester I |
|---------------------|---------------------|-------------------|
| BIOL 121 (Core C) 4 | BIOL 122 (Core C) 4 | COMM 101 3 |
| BIOL 221 (Core C) 4 | DH 101 (FYS) 6 | DH 113 2 |
| ENGL 101 3 | DH 110 3 | DH 116 3 |
| | DH 120 2 | DH 150 3 |
| | DH 180 2 | DH 190 3 |

| Summer II | Fall Semester II | Spring Semester II |
|---------------------|---------------------|---------------------------|
| DH 170 2 | DH 211 2 | Arts & Humanities Elect 3 |
| DH 240 2 | DH 212 2 | DH 223 2 |
| MATH 103 (Core C) 3 | DH 230 2 | DH 224 2 |
| Wellness 1 | NUTR 104 3 | DH 235 2 |
| | SOCI 201 (Core B) 3 | ENGL 102 3 |
| | | PSYC 101 (Core B) 3 |

The complete program is available at the Harrisburg Campus. Prerequisites offered at all other campuses and on-line.

**DIAGNOSTIC MEDICAL SONOGRAPHER
 in the Abdominal Sonography-Extended and Obstetrics and Gynecology Sonography Areas of Study**

Associate Degree Program - Harrisburg

Description of Occupation - sonographers are highly skilled professionals qualified by education to provide patient services using diagnostic techniques under the supervision of a licensed doctor of medicine or osteopathy. The sonographer may provide this service in a variety of medical settings where the physician is responsible for the use and interpretation of appropriate procedures. Sonographers assist physicians in gathering data necessary to reach diagnostic decisions. The sonographer is able to perform the following: Obtain, review, and integrate pertinent patient history and supporting clinical data to facilitate optimum diagnostic results; Perform appropriate procedures and record anatomic, pathologic, and/or physiologic data for interpretation by a physician; Record, analyze, and process diagnostic data and other pertinent observations made during the procedure for presentation to the interpreting physician; Exercise discretion and judgment in the performance of sonographic and/or other diagnostic services; Demonstrate appropriate communication

skills with patients and colleagues; Act in a professional and ethical manner; Facilitates communication and education to elicit patient cooperation and understanding of expectations and responds to questions regarding the sonographic examination. (From [JRCDMS](#))

Program Admission Criteria - This is a highly competitive and selective admission program. You will be admitted as a **pre-health professions** student and work with your advisor to apply to the clinical/core (DMS) component of the program. Check the [Health Careers website](#) for complete program admission criteria. All DMS students are required to meet with a with a DMS advisor **during the first semester**. Find your advisor on MYHACC. Students who do not have a DMS advisor should contact the Program Director, Julia Imboden - jimbode@hacc.edu for additional details. DMS students are required attend a mandatory information session. For complete information see this website - <https://www.hacc.edu/ProgramsandCourses/Programs/HealthCareers/Diagnostic-Medical-Sonographer.cfm>

Length of Program and College Degree Conferred - The Diagnostic Medical Sonography program is 69 credits with the awarding of an Associate in Applied Science Degree upon successful completion. Clinical rotations are arranged within an 85 mile radius of the Harrisburg campus. Faculty committee determines clinical placement and rotations are updated throughout the program. Students are required to sit for the ARDMS credentialing exams (Sonography Principles and Instrumentation, Abdomen, and Obstetrics and Gynecology) and (upon successful completion, and graduation from the college) earn the title Registered Diagnostic Medical Sonographer (RDMS). The program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon the recommendation of the Joint Review Committee on Education in Diagnostic Medical Sonography (JRC-DMS). The goal of the program is to prepare competent entry-level general diagnostic medical sonographers in cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

Places of Employment and Outlook – Consistently on Top 25 Fastest-Growing Occupations (both US and PA). As ultrasound technology evolves, it will become a more common method used to assist in diagnosing medical conditions, favored over more invasive procedures. More than half of all sonographers are employed by hospitals, and most of the remainder work in physicians' offices and clinics, including diagnostic imaging centers.

Salary Range for Geographical Area – Median salary \$80,209 in Harrisburg, PA from [Salary.com](#) using ultrasound technologist 1. Jan 2024

Related Websites For Additional Information About The Career

www.sdms.org/ www.ardms.org/

General questions? Please contact an [Admissions Counselor](#), by phone at 800-ABC-HACC, or by email at start@hacc.edu

DIAGNOSTIC MEDICAL SONOGRAPHY, Associate in Applied Science Degree – 3426

Fall 2023- (5/15/2023)

PROGRAM REQUIREMENTS (TOTAL CREDITS = 76)

| General Education | | Major Requirements | | Other Required Courses | |
|--|----|-------------------------------------|----|------------------------------|--------|
| ENGL 101 English Composition I | 3 | DMS 105 Introduction to Health Care | 4 | BIOL 121 | 4 |
| COMM 101 Effective Speaking or COMM 203-Interpers Communic | 3 | DMS 110 Introduction to DMS | 4 | BIOL 122 | 4 |
| Humanities & Arts Electives | 3 | DMS 115 Clinical Experience I | 2 | PHYS 161 Physics for Imaging | 3 |
| Math Elective - <u>MATH 103</u> | 3 | DMS 120 DMS Lab I | 1 | | 11 |
| Social & Behavioral Science Elective- <u>PSYC 101</u> | 3 | DMS 125 Clinical Experience II | 3 | | |
| First-Year Seminar Elective- <u>AH 140</u> | 3 | DMS 130 Abdominal Sonography | 4 | | |
| Wellness | 1 | | | | |
| | 19 | DMS 140 DMS Lab II | 1 | | |
| | | DMS 150 OB/GYN Sonography I | 3 | | |
| | | DMS 170 Acoustical Principles I | 4 | | |
| | | DMS 180 High Resolution Sonography | 1 | | |
| | | DMS 210 Vascular Sonography | 1 | | |
| | | DMS 215 Clinical Experience III | 4 | | |
| | | DMS 220 DMS Lab III | 1 | | |
| | | DMS 225 Clinical Experience IV | 4 | | |
| | | DMS 240 DMS Lab IV | 1 | | |
| | | DMS 250 OB/GYN Sonography II | 3 | | |
| | | DMS 270 Acoustical Principles II | 2 | | |
| | | DMS 274 DMS Topics | 3 | | |
| | | | 46 | | 3/8/24 |

Note: A grade of C or higher is required for all BIOL; DMS; MATH; and PHYS courses; ENGL 101 and COMM 101.

DMS Clinical Program-only available at the Harrisburg Campus with clinical sites up to 80 miles from Harrisburg.

DMS is a cohort program, all 12 students are in lecture and lab together. On clinical days, only one student is at each clinical site.

Ultrasound departments are only able to take one student for the clinical rotation.

RECOMMENDED SEQUENCE FOR FULL-TIME STUDENTS

| FALL I | SPRING I | FALL II | SPRING II | SUMMER | FALL III | SPRING III |
|----------|------------------------|------------|-----------|-----------|-----------|------------|
| BIOL 121 | 4 BIOL 122 | 4 DMS 105 | 4 DMS 115 | 2 DMS 125 | 3 DMS 215 | 4 DMS 225 |
| ENGL 101 | 3 COMM 101 | 3 DMS 110 | 4 DMS 120 | 1 DMS 140 | 1 DMS 220 | 1 DMS 240 |
| MATH 103 | 3 PSYC 101 | 3 PHYS 161 | 3 DMS 130 | 4 DMS 180 | 1 DMS 250 | 3 DMS 274 |
| AH 140 | 3 Humanities/Arts Elec | 3 Wellness | 1 DMS 150 | 3 DMS 210 | 1 DMS 270 | 2 |
| | | | DMS 170 | 4 | | |

Students who are selected into the program take the DMS courses in a specific **sequence** as listed above. There is no flexibility in the DMS course schedule. This is a full-time day time commitment. There are no part time options. Student who work typically only put in 16 hours or less each week. Time management is key with classes, lab, and clinical rotations including driving, with homework including workbook completion, research presentations, weekly tests in multiple classes and clinical overview details assignments. During the last two semesters, national exam preparation is included for the three required exams to become a Registered Diagnostic Medical Sonographer and students take the credentialing examinations.

DMS Schedule (Subject to change)

| Semester | Monday | Tuesday | Wednesday | Thursday | Friday |
|----------|---|--|---|--|---|
| FALL | 8:00a-11:30a DMS 105- Intro to HC 1:30p-3:35p Physics 161 | 8:00a- 12:00p DMS 110- Intro to DMS 1:30p-4:00p Open Lab | 8:00a-11:30a DMS 105- Intro to HC 1:00p-3:40p Physics 161 | 8:00a- 12:00p DMS 110- Intro to DMS 1:30p-4:00p Open Lab | 8:00a-12:00p Open Lab |
| | Monday | Tuesday | Wednesday | Thursday | Friday |
| SPRING | 8:00a-12:00p DMS 120- DMS Lab I 1:00p-4:00p Open Lab | 8:00a-11:30a DMS 150- OB/GYN I 12:30p-4:00p DMS 130- ABD I | DMS 115- Clinical (8 hours) | 8:00a-12:00p DMS 170- Principles I 1:00p-4:00p Open Lab | DMS 115- Clinical (8 hours) |
| | Monday | Tuesday | Wednesday | Thursday | Friday |
| SUMMER | 8:00a-12:00p DMS 140- DMS Lab II 1:00p-4:00p Open Lab | 8:00a-10:00a DMS 180- High Res 10:30a-12:30p DMS 210- Vascular 1:30p-4:00p Open Lab | DMS 125- Clinical II (8 hours) | DMS 125- Clinical II (8 hours) | DMS 125- Clinical II (8 hours) |
| | Monday | Tuesday | Wednesday | Thursday | Friday |
| FALL | DMS 215- Clinical III (8 hours) | DMS 215- Clinical III (8 hours) | DMS 215- Clinical III (8 hours) | DMS 215- Clinical III (8 hours) | 8:00a-10:00a DMS 270- Principles II 10:15a-12:45p DMS 250- OB/GYN II 1:30p-4:30p DMS 220- DMS Lab III |
| | Monday | Tuesday | Wednesday | Thursday | Friday |
| SPRING | DMS 225- Clinical IV (8 hours) | DMS 225- Clinical IV (8 hours) | DMS 225 - Clinical IV (8 hours) | DMS 225- Clinical IV (8 hours) | 8:00a-11:00a DMS 274- Topics 12:30p-3:30p DMS 240- DMS Lab IV |

The clinical courses require rotation to different clinical sites each semester. Be advised that clinical sites can be located up to 80 miles from Harrisburg. Rotations vary. Students need to be flexible and adapt to clinical rotation schedules.

Clinical sites (sites are always subject to change): Evangelical Community Hospital (Lewisburg); Geisinger- Lewistown Hospital; Lebanon VA Medical Center; Lehigh Valley Health (Allentown); Meritus Health (Hagerstown); Penn State Health- Holy Spirit Medical Center (Camp Hill), St. Joseph Medical Center (Reading); UPMC - Carlisle, Community Osteopathic, Harrisburg, Lititz, Memorial, Union Deposit, West Shore; WellSpan – Chambersburg Hospital, Ephrata Hospital, Gettysburg Hospital, Good Samaritan Hospital (Lebanon), Waynesboro Hospital, York Hospital and Imaging.

EMERGENCY MEDICAL TECHNICIAN (EMT) & ADVANCED EMT

Noncredit Certificate

Adams, Cumberland, Dauphin, Lancaster, Lebanon, York and other statewide counties (see [current EMS schedule](#) for specifics)
Program accredited by the Pennsylvania Department of Health – Bureau of EMS.

Description of the Occupation - An Emergency Medical Technician includes the knowledge and skills required to provide basic pre-hospital emergency care. This program serves as the foundation for emergency medical services. This course teaches students the overall roles and responsibilities of the EMT; an overview of anatomy and physiology; assessment of injuries and illnesses; cardiopulmonary resuscitation (CPR); control of bleeding and shock; care of musculoskeletal injuries; medical emergencies; childbirth; pediatric emergencies; environmental emergencies; lifting and moving of patients; automated external defibrillation; and assisting patients with their own prescribed medications. Also included are the skills needed to assess the scene and properly move and transport patients to the emergency department.

EMT

An Emergency Medical Technician includes the knowledge and skills required to provide basic pre-hospital emergency care. This program serves as the foundation for emergency medical services. This course teaches students the overall roles and responsibilities of the EMT; an overview of anatomy and physiology; assessment of injuries and illnesses; cardiopulmonary resuscitation (CPR); control of bleeding and shock; care of musculoskeletal injuries; medical emergencies; childbirth; pediatric emergencies; environmental emergencies; lifting and moving of patients; automated external defibrillation; and assisting patients with their own prescribed medications. Also included are the skills needed to assess the scene and properly move and transport patients to the emergency department. This course includes a scheduled Pennsylvania Department of Health practical examination.

HACC's EMT program is 220 hours in length.

<https://www.hacc.edu/PublicSafetyCenter/EMS/EMT.cfm>

Advanced EMT

This program is its own certification or serves as a pathway to the HACC Paramedic program.

How much does the program cost?

The tuition is \$1,400. This does not cover the textbook, or national registry testing fees.

What textbook will I need?

Students will need this textbook by the first class - Advanced EMT "a clinical reasoning approach" 2nd edition

Who can I contact for more information?

Contact EMSTrng@hacc.edu or call 717-780-2510

<https://www.hacc.edu/PublicSafetyCenter/EMS/Advanced-EMT.cfm>

HEALTH CARE MANAGEMENT

Health Care Management Associate Degree - Gettysburg/Harrisburg/Lancaster/Lebanon/York

Health Care Management is a program ideal for students who are not actively credentialed and working in health care and are seeking a career in health care administration.

Students who are actively credentialed health care professionals currently working in their fields may be qualified for the **Health Science** degree (with options in management/marketing or social service), where they can receive 30 credits toward graduation for that credential and receive a similar degree (yet require fewer courses).

Description of Occupation - Health care managers plan and supervise the delivery of health care. Clinical managers often have previous training or experience in their specific area. Small group practices usually employ one health service manager to handle all of the duties while larger medical groups often employ a chief administrator and several assistants. Managers in HMOs and other managed care settings perform more community outreach and preventative care work than those in a group practice. Because facilities such as nursing homes and hospitals operate around the clock, most health services managers work long hours and may be called at all hours to deal with problems.

Program Entry Requirements – **Health care management** has no program entry requirements. Criminal background check, child abuse clearance and/or drug screening may be required for employment.

Length of Program and College Degree Conferred – The health care management degree is 63 credits which can be completed in two years or at the student's own pace.

Employment Outlook – A master's degree is preferred for most manager positions, but a bachelor's degree and/or work experience may be accepted at smaller facilities. Opportunities will be best in home health care agencies, residential facilities, and physicians' offices. Long work hours are common at hospitals and nursing homes.

Salary Range - Will vary according to level and type of employment.

Educational Advancement - Franklin University offers a BS in Healthcare Management; Shippensburg University offers a BS in Healthcare Administration; Lebanon Valley College offers a part-time evening BS in Health Care Management; Immaculata University offers a BA in Health Care Management part-time evenings at HACC's Lancaster campus, Fort Indiantown Gap and on-line.

**Health Care Management, Associate in Applied Science Degree (#3606)
Program Requirements (Total Credits = 60) Fall 2024**

| General Education | | Health Care Management | | | | | |
|--|----|------------------------|-------|----------|---|------------------------------|------|
| ENGL 101 | 3 | ACCT 150 | 2 | CIS 105 | 3 | Program Specific Elective ** | 1 |
| ENGL 106 | 3 | ACCT 160 | 2 | GERT 100 | 1 | | |
| COMM 101 or 203 | 3 | AH 105 | 3 | GERT 101 | 1 | | 38 |
| Humanities & Arts Elective | 3 | AH 210 | 3 | GERT 103 | 1 | | |
| Math or Science Elective* | 3 | AH 213 | 3 | MGMT 130 | 3 | | |
| Social & Behav Sci Elective (SOCI 201) | 3 | AH 290 | 3 | MGMT 201 | 3 | | |
| Wellness | 1 | BIOL 111 or 121 | 3 (4) | MGMT 204 | 3 | | |
| First-Year Seminar (AH 140) | 3 | | | MKTG 201 | 3 | | |
| | 22 | | | | | | 2/24 |

*Select from the following: Math 100, 103, 110, 119 or 202

**Select from the following subject areas: ACCT, AH, AOM, BIOL, BUSI, CVAS, CIS, DA, DH, DMS, ECON, MKTG, NURS, PBT, PSYC, RADT, RADI, RESP, SURG or WHP.

General questions? Please contact an [Admissions Counselor](#), by phone at 800-ABC-HACC, or by email at start@hacc.edu

HEALTH SCIENCE

**Health Science Associate Degree - Gettysburg/Lancaster/Lebanon/Harrisburg & Online
Some concentrations are available at specific campus locations only.**

Health Science is a program for students who are **actively credentialed** health care professionals currently working in their fields. Options available in EFDA, management/marketing, radiography, or social services, where students receive 30 credits toward graduation for that credential. Students who are NOT actively credentialed health care professionals currently working in their fields may be interested in the Health Care Management degree (see above listing).

Description of Occupation - While not designed to lead to one specific occupation, students may pursue careers in health care administration, radiography or social service (may need additional education).

Program Entry Requirements – Students must be actively credentialed health care professionals currently working in their fields. (Commonly held approved credentials are LPN, paramedic, medical assistant (RMA, CMA), dental assistant (CDA), massage therapist (NCBTMB), medical coding (CPC, CCS), CVT (RCS, RDCS, RDMS), rad tech (RTR), Activities Director (ADC). **Contact Vicki Gentzel - vgentze@hacc.edu** for specific requirements and to begin the approval process for health science. Criminal background check, child abuse clearance and/or drug screening may be required for employment. Find complete list of approved credentials and additional information on this website - <https://www.hacc.edu/ProgramsandCourses/Programs/HealthCareers/Health-Science.cfm>

Length of Program and College Degree Conferred –The health science degree is 61 credits, 30 of which are credits granted (for the credential and current employment) toward graduation.

Salary Range - Will vary according to level and type of employment.

Educational Advancement - Siena Heights University offers an online bachelors in applied science; Franklin University offers a BS in Healthcare Management; Shippensburg University offers a BS in Healthcare Administration; Lebanon Valley College offers a part-time evening BS in Health Care Management; Immaculata University offers a BA in Health Care Management part-time evenings at HACC's Lancaster campus, Fort Indiantown Gap and on-line. Radiography option graduates may pursue advanced degrees in that fields.

Health Science, Associate in Applied Science Degree # 3656 – 62 Credits

Health Science is a selective admission degree completion program **designed for actively credentialed or licensed health care professionals currently working in their fields**. Credential verification and employment verification letter are required. Qualified applicants will be awarded 30 credits toward the Health Science degree.

You may transfer a maximum of 15 credits from previous colleges. Submit official transcripts to the Records Office.

Options/Concentrations, select one:

- Management/Marketing
- Social Services
- *Expanded Function Dental Assistant (EFDA) - restricted to students who possess the Dental Assisting National Board (DANB) Certified Dental Assistant (CDA) credential*
- *Radiologic Imaging - restricted to students who possess, or are eligible to sit for, a primary certification from an approved medical imaging board.*

Click here for a [printable flier](#) that includes all approved credentials. (pdf)

Health Science, Associate in Applied Science Degree Program Requirements (Total Credits = 62)

| General Education | Credits | Management / Marketing | 12 cred | Social Services | 12 cred |
|--|---------|---|----------------|---|---------|
| ENGL 101 | 3 | CIS 105 (required) | 3 | CIS 100 or 105 (required) | 3 |
| COMM 101 or 203 | 3 | + 9 cr from list below: | | + 9 cr from list below: | |
| Humanities/Arts elective (see below for list of courses)** | 3 | AH 213 | 3 | HUMS 108 | 3 |
| Social/Behavioral Science elective | 3 | MGMT 130 | 3 | SOCI 201 | 3 |
| Wellness | 1 | MGMT 203 or 204 | 3 | SOCI 205 | 3 |
| First Year Seminar (FYS) (awarded, not taken) | 1 | MGMT 226 | 3 | PSYC 101 | 3 |
| AH 210 Law & Ethics | 3 | MKTG 201 | 3 | PSYC 213 | 3 |
| Math 100 (or higher) | 3 | | | GERT 100 | 1 |
| | | | | GERT 101 | 1 |
| | | | | GERT 102 | 1 |
| | | | | GERT 103 | 1 |
| * Students are awarded 30 credits (+ FYS) for credential & current employment | 30 | | | Any GERT course 201 or higher (may require prereq of GERT 100, 102 & 103) | |
| | | EFDA (Harrisburg) RESTRICTED ENTRY (see above) | 12 Cred | | |
| | | DA 252 | 3 | | |
| | | DA 253 | 3 | | |
| | | NUTR 104 | 3 | | |
| | | SOCI 201 | 3 | | |
| 3/24 | | | | | |

At least 16 credits must be taken at HACC. Transfer credits plus credits awarded for credential cannot exceed 45.

** Humanities/Arts Elective - Select one of 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

Complete program (Management/Marketing and Social Services options) offered available at all campuses and on-line. EFDA is only in Harrisburg and restricted to students who possess the Dental Assisting National Board (DANB) Certified Dental Assistant (CDA) credential.

* 30 credits (and First Year Seminar – FYS) are awarded for credential and current employment in a health field. Employment verification and credentials must be approved; contact Vicki Gentzel, vgentze@hacc.edu, to get started.

Questions about the program? Contact Vicki Gentzel 717-780-1992 or (800) 222-4222 ext 211992
General questions or how to get started? Contact an [Admissions Counselor](#), by phone at 800-ABC-HACC, or by email at start@hacc.edu

HUMAN SERVICES/SOCIAL SERVICES

Associate Degrees (Including pre-social work, pre-counseling, pre-guidance counseling)
 Gettysburg, Harrisburg, Lancaster, York

Description of Occupation: Social Services Students are prepared for transfer to 4 year programs in social work and counseling and trained for entry-level positions in such fields as mental health, intellectual disabilities, day care, gerontology, family services, drug and alcohol rehabilitation, and community development.

In general, social service workers conduct interviews, develop assessments, and create service plans. They monitor the progress of their clients and revise the plans when needed. They are employed in settings where they can assist people develop individualized strategies and solutions, where people are finding it difficult to navigate the various social systems. They are responsible for recording accurate information and imparting that information to senior staff.

For example, in schools social workers and counselors help students and their families create educational plans, at the same time working with schools to create policies that will prevent violence and encourage collaboration among students. Social service workers are found in hospitals where they work with patients and their families to construct useful discharge plans and specialized support services while hospitalized. In rehabilitation centers they work with patients to maximize their rehabilitation program; in facilities and programs for seniors they are there to work out the best alternatives for independent living or care within a facility; in substance abuse programs they are found conducting educational programs, group sessions, and individual planning sessions; in programs for victims of violence and crime they provide support, encouragement, and information; For those with physical and developmental disabilities they are there to create individual options to maximize the individuals strengths for personal fulfillment; and they are suicide hot line counselors. There are many opportunities to support others and to advocate for them.

Those with advanced degrees can provide therapeutic counseling, direction to others, and development of programs and policies that will benefit groups of individuals who are disadvantaged.

Human Services Students are trained for entry-level positions in such fields as mental health, intellectual disabilities, day care, gerontology, family services, drug and alcohol rehabilitation, and community development.

Human service workers are responsible in a variety of settings for the daily care and support of people seeking social services. Management of residential homes, work in hospital units, providing case management services, transporting individuals to needed services, monitoring the special needs of children and adults, giving information and making referrals for those seeking assistance with a wide variety of problems

are all part of the human service workers position. Human service workers are often closely associated with those they are helping, giving intense, daily direction and support.

Human service workers generally work under senior staff who provide supervision and direction. Trained to listen, form impressions, and accurately document their findings, they are indispensable in agencies where large numbers of clients are served.

Candidates should be people-oriented and able to interact well with others. Individuals should possess excellent communication and organizational skills and have strong writing skills. Candidates should be flexible and resourceful and be able to collaborate with others.

Program Admission Criteria: Social Services All students must undergo Pennsylvania Child Abuse History Clearance, FBI Check and State Police Criminal Record Check. Check the Health Careers website for complete program admission criteria.

Human Services All students must undergo Pennsylvania Child Abuse History Clearance, FBI Check and State Police Criminal Record Check. Check the Health Careers website for complete program admission criteria.

Length of Program and College Degree Conferred: Social Services The Associate Degree in social services is awarded upon completion of 63 credits and can be completed in 4 semesters. The time for completing these programs depends on the student's need for developmental coursework and the student's study skills.

Human Services The time for completing this program depends on the student's need for developmental coursework and the student's study skills. The primary program objective shall be to prepare human services professionals to serve individuals, families, groups, communities and/or other supported human services organization functions.

Program Differences: The Social Services AA degree is 63 credits and prepares students to transfer to four-year colleges for pursuit of a Bachelor's Degree. Students with the Social Service AA degree are prepared to work in social service agencies in entry level positions. The Human Services AAS degree prepares students to work in entry level positions in human service agencies. This degree is intended to lead directly to a career and does not contain general education courses needed to transfer to a 4-year college.

Places of Employment and Outlook: The field of human services is expected to grow over the next 10 years. Students are generally employed in full-time positions before leaving the program or in the first 4 weeks following graduation. Almost all social service agencies have entry level positions which include work as technicians and case managers. Children, women's programs, substance abuse, mental health, intellectual disabilities, and aging all have entry-level positions.

Salary Ranges for Geographical Area: Social & Human Service Assistant - \$38,450; Child, Family & School Social Workers - \$48,520; Educational, Guidance, and Career Counselors and Advisors - \$61,760 – median salaries in PA from www.careeronestop.org Jan 2024.

Related Websites For Additional Information About The Profession:

www.nasw-pa.org - National Association of Social Workers (PA Chapter)

www.nationalhumanservices.org - National Organization for Human Services

Questions? Contact Dr. Wendy Bratina wbratin@hacc.edu, 717-221-1764

Social Services, Associate in Arts Degree #5060 Program Requirements (Total Credits = 63)

| <u>General Education</u> | | <u>Major</u> | |
|---|----|--|----|
| ENGL 101 English Comp I | 3 | HUMS 100 Intro to Human Services | 3 |
| ENGL 102 English Comp II | 3 | HUMS 120 Social Welfare Programs and Policies | 3 |
| COMM 101 Effective Speaking | 3 | HUMS 121 Skills and Methods in Human Services I | 3 |
| Core A (Rec: PHIL 225)-must be PHIL course | 3 | HUMS 122 Skills and Methods in Human Services II | 3 |
| Humanities/Arts or Social/Behavioral Science Elective** | 3 | HUMS 200 Group Work Practice | 3 |
| Core C Elective Math (Rec: MATH 202) | 3 | HUMS 206 Human Dev in the Social Environment | 3 |
| Physical Education/Wellness | 1 | HUMS 215 Fieldwork Practicum | 4 |
| First-Year Seminar | 1 | | 22 |
| BIOL 111 Intro to Human Biol | 3 | | |
| PSYC 101 General Psych | 3 | ** Select EITHER a literature course (ENGL 200-299) OR one of the following | |
| SOCI 201 Intro to Sociology or SOCI 205 Race & Cultural Relations | 3 | foreign language courses: SPAN 101, 102; FRCH 101, 102 or GRMN 101, 102 | |
| Science with Lab Elective *** | 3 | *** Science with lab ASTR 103, 104; BIOL 101, 108; CHEM 101, 113; or PHYS 201. | |
| Transfer Electives | 9 | 2023 | |
| | 41 | | |

Human Services, Associates In Applied Science Degree #5556 Program Requirements (Total Credits = 60)

| <u>General Education Requirements</u> | | <u>Major Requirements</u> | |
|---|----|---|----|
| ENGL 101 English Composition I | 3 | HUMS 100 Intro to Human Services | 3 |
| COMM 203 Interpersonal Communication | 3 | HUMS 108 Drugs & Alcohol: Use & Abuse | 3 |
| Humanities/Arts elective | 3 | HUMS 120 Social Welfare Programs & Policies | 3 |
| MATH 111 Principles of Math (math/sci elect) | 3 | HUMS 121 Skills & Methods in Human Serv I | 3 |
| PSYC 101 General Psychology (Soc/Behav elect) | 3 | HUMS 122 Skills & Methods in Human Serv II | 3 |
| First Year Seminar | 1 | HUMS 200 Group Work Practice | 3 |
| Wellness | 1 | HUMS 206 Hum Devel in a Social Environment | 3 |
| | 17 | HUMS 215 Fieldwork Practicum | 4 |
| <u>Other Required Courses</u> | | | 25 |
| SOCI 201 Intro to Sociology | 3 | | |
| SOCI 205 Race and Cultural Relations | 3 | | |

Program Electives * 12

* Students must select four courses from the following list: BIOL 111; CJ 101; ENGL 104 or 106; GERT 211, 215, 220, 232; HUMS 109, 216, 217, 218; PSYC 213, 229; SOCI 202, 203.

Note: A grade of C or higher is required for all HUMS, PSYC & SOCI courses 18

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MESSAGE THERAPIST

Noncredit Certificate – Harrisburg

Description of Occupation - Massage therapy applies a system of structured touch, pressure, movement, holding and treatment of the soft tissue manifestations of the human body in which the primary intent is to enhance the health and well-being of the client. (Pennsylvania Massage Code): <http://www.pacode.com/secure/data/049/chapter20/chap20toc.html>

Massage Therapists prepare equipment; interview clients; perform therapeutic massage - including applying oil/lotion to the skin, massaging the body by gliding, kneading, stretching or applying static pressure, all at varying depths to muscles and connective tissue; clean equipment, supplies and work area; keep records; and consult with other health care professionals. The therapist is responsible for the health and safety of clients during treatment sessions. Massage therapy can be physically demanding and may require standing for long periods of time.

A massage therapist should have a desire to facilitate health and healing, have strong communication skills, a sensitive touch and be in good physical condition

Program Admission Criteria – See [Health Careers website](#) for specific program admission requirements. This is a noncredit program which can lead to an Associate Degree in Health Science at HACC.

Program Information - The massage therapy training program is offered in Harrisburg. The full-time day program class meets Mon, Tue, Wed, Thu, 9am – 3pm for 7 months at the Harrisburg campus. Sessions begin in September. The part-time program begins in January at Harrisburg and meets three evenings per week from 5:30-9:30 pm (and 6 Saturdays) for 12 months. The course of study includes anatomy, physiology, kinesiology, and pathology; massage modalities including Swedish massage, sports massage, connective tissue therapy, neuromuscular therapy, chair massage, spa treatments, aromatherapy and integration and assessment. Additional coursework is included in ethics, professional communication and personal awareness as well as in business practices. Students are required to complete 105 hours in the student clinic, including a minimum of 50 supervised massages. Graduates will receive a certificate of completion from HACC.

Tuition for the Massage Therapy Training Program is \$12,800, which includes all supplies and a clinic uniform shirt. Students may be qualified for Financial Aid (FAFSA), loans or payment plans and the massage therapy program has been approved for veterans' education benefits.

Pennsylvania law requires a state-issued license in order to practice massage therapy. Graduates of HACC's program will meet the criteria to apply for licensure. Once a graduate is licensed and employed as a massage therapist, he or she is eligible to receive 30 college credit hours from HACC, which can articulate toward an Associate's Degree in [Health Science](#). The HACC Massage Therapy Program is a school member of the American Massage Therapy Association ([AMTA](#)) and Associated Bodywork and Massage Professionals ([ABMP](#)). As such we abide by both organizations' codes of ethics. Our curriculum has been approved by the National Certification Board for Therapeutic Massage and Bodywork and our graduates are eligible to take the Massage and Bodywork Licensing Exam ([MBLEx](#)).

Places of Employment and Outlook- Consistently on Top 25 Fastest Growing and Occupations with the Most Openings. Continued growth in the demand for massage services will lead to new openings for massage therapists. Massage therapists work in private or group massage practices, physicians' offices and clinics, hospitals and wellness centers, chiropractic offices, on-site (chair massages in offices, airports, at public events, etc.), health clubs and fitness centers, sports teams and events, spas and resorts, hotels, beauty and hair salons, and cruise ships.

Salary Ranges for Geographical Area - \$56,190 median salary in Harrisburg from salary.com for licensed massage therapist Jan 2024

Related Websites for Additional Information about The Career

www.amtamassage.org www.abmp.com www.massagetherapycareers.com

Questions? Contact Nina Kottcamp nmkottca@hacc.edu 717-221-1386 or (800) 222-4222 ext. 211386

Orthopedic Massage Program – offered every spring

Take your practice to a new level with advanced orthopedic massage. This 5-module program provides 30 CEUs for PA licensure (6 per module). A certificate of completion will be awarded upon successful completion of all 5 modules. \$495 for all 5 modules

Each module may be taken separately, however all modules must be completed to receive an orthopedic massage certificate.

Modules:

- Muscle energy techniques – MET
- Cervical
- Lumbar
- Shoulder Girdle
- Hip, Knee and Ankle

This series of classes will cover:

- anatomy
- relevant dysfunctions
- assessment of tissue through hands-on palpatory skills
- soft tissue manipulation for pain relief

Questions? Contact Nina Kottcamp nmkottca@hacc.edu 717-221-1386 or (800) 222-4222 ext. 211386

MEDICAL ASSISTANT

CREDIT Certificate – Harrisburg, Gettysburg & York and Noncredit/Workforce

Description of Occupation - Medical Assistants are allied health professionals specifically trained to work in ambulatory settings, such as physicians' offices, clinics and group practices. These multi-skilled personnel can perform administrative and clinical procedures. Physicians value this unique versatility and not surprisingly, the demand for medical assistants is expanding rapidly. In small practices, medical assistants are usually "generalists," handling both administrative and clinical duties and reporting directly to an office manager, physician, or other health practitioner. Those in large practices tend to specialize in a particular area under the supervision of department administrators. The job outlook for Medical Assistants is expected to grow by 31% (much faster than average) from 2010-2020 according to the Bureau of Labor Statistics.

Medical assistants perform many administrative duties. They answer telephones, greet patients, update and file patient medical records, fill out insurance forms, handle correspondence, schedule appointments, arrange for hospital admission and laboratory services, and handle billing and bookkeeping.

Clinical duties vary according to state law and include taking medical histories and recording vital signs, explaining treatment procedures to patients, preparing patients for examination, and assisting the physician during the examination. Medical assistants collect and prepare laboratory specimens or perform basic laboratory tests on the premises, dispose of contaminated supplies, and sterilize medical instruments. They instruct patients about medication and special diets, prepare and administer medications as directed by a physician, authorize drug refills as directed, telephone prescriptions to a pharmacy, draw blood, prepare patients for x-rays, take electrocardiograms, remove sutures, and change dressings. Medical assistants may be exposed to bloodborne pathogens and potentially hazardous materials.

Medical assistants are people who have an interest in health care and like to work with people in an intimate way and possess a genuine desire to help those in need. Medical assistants have a strong desire to do things correctly, down to the small details. They are levelheaded and intelligent, able to remain calm in emergencies, and to function under pressure. They are interested in science and are able to apply theory to real life situations. They can do clinical procedures as well as organize and prioritize tasks with little supervision, with an interest in business methods.

Program Admission Criteria - *This is a rolling admission program (until full)*. Admission to the college doesn't guarantee admission to the clinical component of the program. Work with your advisor and the program director to apply to the clinical/core component of the program.

Minimum Criteria to Apply:

Students will be considered for admission into the medical assisting courses who have:

- GED or high school diploma
- 2.0 overall GPA for continuing students
- Documented proficiency, C or better, in English through the 003 and 051 level
- Documented proficiency, C or better, in Math through the 006 level
- Met with the program director

Advising: You are required to meet with the program director before you can submit and intent to enroll in the MA clinical courses. Debra Beaver Call 717-221-1326 to schedule appointment.

Application: Application (for Gettysburg and Harrisburg campuses) will be posted April 1 through April 30 on the Health Careers [Medical Assisting Program](#) website (under Programs Offered). You will select which campus you prefer at the time of application.

Length of Program and College Degree Conferred - The medical assistant *certificate program* is 37 credits, with the awarding of a certificate upon successful completion. Completion time can vary depending on a candidate's background and need for identified preparatory skills and coursework and the student's rate of study.

Clinical/lab classes are held at the Gettysburg, Harrisburg (day and evening) and York (day) campuses – Mondays and Wednesdays. Lecture classes are online.

The program is completed in 9 ½ months. Externships (160 hours – min. 23 hrs. per week completed in 7 weeks) are completed in the Spring semester during the day and are conducted in local physicians' offices and clinics. Every attempt is made to find a site that is close to the student's place of residence but there can be no guarantees. Students are required to sit for the Registered Medical Assisting exam as administered by American Medical Technologist prior to graduation. This program is accredited by: The Middle States Commission on Higher Education, 3624 Market Street, Philadelphia, PA, 19104, 267-284-5000.

The goal of the program is to prepare competent entry-level medical assistants in cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

Program graduates can apply 30 credits towards [Associate in Health Science](#) degree upon successful completion of the RMA exam and obtaining employment in the field.

Students will be required to practice phlebotomy and injection skills on simulators and on each other.

Places of Employment and Outlook – Consistently on Top 25 Fastest Growing and Occupations. Demand will stem from physicians hiring more medical assistants to do routine administrative and clinical duties so that physicians can see more patients.

Salary Ranges for Geographical Area – Median salary \$39,158 (medical assistant - certified) in Harrisburg from salary.com Jan 2024

Related Websites For Additional Information About The Career

American Medical Technologists (AMT) <https://americanmedtech.org/>
www.careeronestop.org

General questions? Please contact an [Admissions Counselor](#), by phone at 800-ABC-HACC, or by email at start@hacc.edu
Program questions? 717-221-1392

MEDICAL ASSISTING, Certificate Program
PROGRAM REQUIREMENTS (TOTAL CREDITS = 30)

Fall Semester

AH 105 Medical Terminology (3 cr)
MA 140 Intro to Medical Assisting (3 cr)
MA 141 Intro to Medical Assisting Lab (1 cr)
MA 142 Intro to Med Lab Techniques (3 cr)
MA 143 Intro to Medical Lab Techniques Lab (1 cr)
MA 220 Medical office Administration (3 cr)
MA 221 Electronic Med Record Lab (1 cr)

15 credits

Spring Semester

AH 213 Billing & Coding (3 cr)
MA 200 Pharmacology (3 cr)
MA 201 Pharmacology Lab (1 cr)
MA 212 Ambulatory Care Clinical procedures (3 cr)
MA 215 Ambulatory Care Lab (1 cr)
MA 230 Externship (4 cr) (160 hours 40 hours/week)

15 credits

A grade of C or higher is required in all AH and MA courses.

An externship (160 hours – minimum 23 hours/week – 7 wks) is required and scheduled during spring semester. It is arranged by the college in a local physician's office or clinic during normal daytime business hours Monday through Friday. The college attempts to find a site that is close to the student's place of residence but there are no guarantees.

NOTE: Students in the Medical Assisting Program sit for the Registered Medical Assistant (RMA) exam through [America Medical Technologists](#). Failure to pass this exam will not prevent the student from obtaining their HACC certificate.

Medical Assisting Noncredit/Workforce Certificate

The program includes 336 hours of classroom/lab instruction and concludes with a 160-hour, unpaid clinical/externship experience, and prepares you to take the National Healthcareer Association's Certified Clinical Medical Assistant (CCMA) certification exam, an industry recognized certification. (Exam cost included in tuition.) (Once you are certified and working in the healthcare field, you may pursue HACC's Health Science Associate in Applied Science degree and be awarded up to 30 credits toward the 61-credit program upon enrollment!)

Classes are scheduled to begin each spring and fall at the Harrisburg/Midtown 1 Center. Additional program starts may be added in the future at other HACC campuses. The part-time program can be completed in as little as 10 months attending classes four evenings per week and the full-time, day program can be completed in as little as six months attending classes four days a week.

Email nchealth@hacc.edu or call 717-221-1348 or
717-221-1354 if you have additional questions.

MEDICAL CODING SPECIALIST

Noncredit Certificate - Harrisburg and Lancaster and on-line

Description of Occupation – Medical Coding Specialists are responsible for translating and sequencing medical documentation into formal standardized, numerical codes for diagnoses and procedures. Medical billing and coding supports the billing process by coding and processing claims.

Program Admission Criteria – *This is a noncredit program.* A college application, school transcripts and placement testing are not required. High school diploma or GED is required. State Police Criminal Record Check and drug screening may be required for employment in the healthcare field. Typing or keyboarding skills are helpful but not required for entry.

Program Information – *This is a noncredit program.* The program can be completed: in approximately 10 months attending classes two nights per week following the recommended course sequence or in only three months attending classes three days a week. Classes will meet on Monday, Tuesday and Thursday from 9am-4pm with a 1-hour lunch, and will be offered via Zoom technology. A computer will be required to take this course. Textbooks and manuals are not included in the cost of tuition. The textbooks are required the first day of class.

Timing and materials covered in tests and quizzes are at the discretion of the instructor for each class. A Certificate of Completion will be awarded after successfully completing this program. Medical Coding is a field that requires ongoing education in order to remain competent.

Upon successful completion, you will be eligible to take the [Commission on Certification for Health Informatics and Information Management \(CCHIIM\)](#) Certified Coding Associate, Certified Coding Specialist (CCS), and Certified Coding Specialist – Physician-based (CCS-P) exams; the [American Association of Professional Coders \(AAPC\)](#) Certified Professional Coder (CPC™) exams. Graduates who obtain one of the above credentials and employment in the field can be awarded 30 credits toward the [Health Science](#) associate in applied science degree.

Students who complete this program may work toward coding certification or a degree in health information technology and be eligible to take the [Commission on Certification for Health Informatics and Information Management \(CCHIIM\)](#) Certified Coding Associate, Certified Coding Specialist (CCS), and Certified Coding Specialist – Physician-based (CCS-P) exams and be eligible to take the [American Association of Professional Coders \(AAPC\)](#) Certified Professional Coder (CPC™) exam. Graduates who obtain one of the above credentials and employment in the field can be awarded 30 credits toward the [Health Science](#) associate in applied science degree.

Places of Employment and Outlook - This program prepares individuals for employment in the medical community that involve medical billing, coding, and claims processing. Various organizations in the community offer opportunities for employment including medical practices, hospitals, nursing/rehab facilities, coding and billing services, insurance companies, government agencies, and consulting firms.

Salary Ranges for Geographical Area – \$58,260 median salary for Medical Records Coding Technician III (requires coding certification) for Harrisburg from Salary.com Jan 2024

Related Websites

www.acmcs.org www.aapc.com www.ahima.org

Required Courses – 250 Hours

| | |
|-------------------------------|-----------------------------------|
| Medical Terminology | Intro to Compliance |
| Intro to Anatomy & Physiology | Professional Coding Concentration |
| Human Illness and Disease | |

If you are interested in this program or have questions, Contact Jackie Foster at 717-221-1354, jafoster@hacc.edu. Visit our web site at <https://vc.hacc.edu/> for our current schedule of classes.

MEDICAL LABORATORY TECHNICIAN

Associate Degree - Harrisburg

Description of Occupation - Medical laboratory technicians have the technical expertise necessary to perform a wide variety of routine and specialized tests on patient specimens to help the physician in the diagnosis and treatment of disease. The medical laboratory technician must be able to read charts and graphs, discriminate colors, read instrument scales, observe microscopic cells and organisms, and record results with accuracy and detail; communicate effectively and sensitively in order to elicit information; assess non-verbal communication and be able to transmit the information to all members of the health care team; manifest all of the skills necessary to carry out diagnostic procedures, manipulate instruments and equipment; perform phlebotomy safely and accurately; demonstrate the emotional health required for full utilization of their intellectual abilities; and be able to recognize emergency situations and troubleshoot when problems occur or results don't make sense, and be able to take the appropriate action. Medical lab technicians may be exposed to bloodborne pathogens and potentially hazardous materials.

Medical laboratory technicians are vital members of the health care team and play an important role in the collecting of information necessary to care for the ill or injured patient. Laboratory work frequently deals with life and death situations; therefore, the medical laboratory technician must demonstrate the qualities of accuracy, dependability, responsibility, dedication, and self-motivation.

Program Admission Criteria - Admission to the college doesn't guarantee admission to the clinical component of the program. You will be admitted as a pre-health professions (MLT) student and work with your advisor to apply to the clinical/core component of the program. Check the [Health Careers website](#) for complete program admission criteria.

<https://www.hacc.edu/ProgramsandCourses/Programs/HealthCareers/Medical-Laboratory-Technician.cfm>

Length of Program and College Degree Conferred - The medical laboratory technician associate degree program is 67 credits with the awarding of an associate of science degree upon successful completion. Completion time can vary depending on a candidate's background and need for identified preparatory skills and coursework and the student's rate of study. The complete program is available at the Harrisburg Campus. Some required courses offered at other campuses and sites. Graduates can sit for [American Society of Clinical Pathologists \(ASCP\)](#) and [National Credentialing Agency \(NCA\)](#) certification exams. The program is fully accredited by the [National Accrediting Agency for Clinical Laboratory Sciences \(NAACLS\)](#).

Places of Employment and Outlook – On Top 25 Fastest Growing and list for US and for PA. MLTs are employed by acute care facilities, large physicians' office practices, independent laboratories including research, business and industry, and veterinary offices.

Salary Ranges for Geographical Area – Median salary \$60,840 Harrisburg from Jan 2024 www.careeronestop.org

Related Websites For Additional Information About The Career

<https://www.ascp.org/content/careers/learn-about-careers> www.ascls.org
www.explorehealthcareers.org/career/allied-health-professions/clinical-laboratory-scientist-technician

General questions? Please contact an [Admissions Counselor](#), by phone at 800-ABC-HACC, or by email at start@hacc.edu

The complete program is available only at the Harrisburg Campus. Prerequisites offered at all other campuses and on-line.

MEDICAL LABORATORY TECHNICIAN Associate in Science Degree

PROGRAM REQUIREMENTS (TOTAL CREDITS = 67)*

| General Education/Other Required | Credits | Major | Credits |
|---|---------|-----------------------------------|---------|
| ENGL 101 English Comp I | 3 | MLT 100 Orientation to MLT | 3 |
| ENGL 102 English Comp II | 3 | MLT 120 Hematology & Coagulation | 4 |
| COMM 101 Effective Speaking | 3 | MLT 122 Immunology | 3 |
| Humanities/Arts elective | 3 | MLT 124 Immunohematology | 4 |
| Social & Behavioral Science Elective (PSYC 101) | 3 | MLT 220 Clinical Microbiology I | 4 |
| Mathematics Elective | 3 | MLT 222 Clinical Chemistry | 4 |
| Wellness | 1 | MLT 224 Urinalysis & Body Fluids | 2 |
| BIOL 111 Intro to Human Biology | 3 | MLT 226 Clinical Experience I | 5 |
| CHEM 100 Principles of Chemistry | 3 | MLT 228 Clinical Experience II | 5 |
| FYS 1 | 1 | | |
| | 26 | MLT 230 Clinical Microbiology II | 4 |
| | | MLT 236 Clinical Lab Management | 2 |
| | | MLT 238 Clinical Capstone Project | 1 |
| | | | 41 |

4/24 ALR

* A grade of C or higher is required for ENGL 101, 102, BIOL 111, CHEM 100, COMM 101 & all MLT courses

RECOMMENDED SEQUENCE FOR FULL-TIME STUDENTS

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

| Summer I | | Fall Semester I | | Spring Semester I | |
|-----------|---|----------------------------|---|---|---|
| BIOL 111 | 3 | CHEM 100 | 3 | MLT 120 | 4 |
| ENGL 101 | 3 | ENGL 102 | 3 | MLT 220 | 4 |
| | | MLT 100 (FYS) | 4 | MLT 222 | 4 |
| | | MLT 122 | 3 | Wellness | 1 |
| Summer II | | Fall Semester II | | Spring Semester II | |
| MLT 124 | 4 | Arts & Humanities Elective | 3 | COMM 101 | 3 |
| MLT 224 | 2 | MLT 226 | 5 | MLT 228 | 5 |
| MLT 230 | 4 | MLT 236 | 2 | MLT 238 | 1 |
| | | Mathematics Elective | 3 | Social & Behavioral Science Elective (PSYC 101) | 3 |

NURSE (RN)

Associate Degree - Gettysburg/Harrisburg/Lancaster/York (4-semester and 8-semester)

Description of Occupation - Nurses work to promote health, prevent disease, and help patients cope with illness. They are advocates and health educators for patients, families, and communities. When providing direct patient care, they observe, assess, and record symptoms, reactions, and progress; assist physicians during treatments and examinations; administer medications; and assist in convalescence and rehabilitation. Nurses also develop and manage nursing care plans; instruct patients and their families in proper care; and help individuals and groups take steps to improve or maintain their health. Nurses may be exposed to bloodborne pathogens and potentially hazardous materials.

Nurses need an aptitude for science and math. A respect for others, integrity, good communication skills, and acceptance of responsibility are essential. The ability to problem-solve and to commit to rigorous academic and clinical safety standards are necessary for success in nursing.

Positions in nursing require certain physical, emotional and cognitive abilities. A sample list is included on the Admission Criteria - Essential Requirements document. Additionally, employers require a PA Child Abuse History Clearance and/or State Police Criminal Record Check.

Nursing requires the ability to apply knowledge of the human biological sciences, social and psychological sciences, and communication arts to provide health care must be demonstrated. Observation and problem-solving skills are used in planning and giving nursing care, and evaluating patients' responses to care. The ability to work well with others and to provide effective health teaching are needed skills. Safe administration of medications, use of equipment and various biomedical devices are required.

Program Admission Criteria - *Selective program.* Admission to the college doesn't guarantee admission to the clinical component of the program. You will be admitted as a pre-health professions student and work with a pre-nursing advisor to apply to the clinical/core component of the program. All nursing students are urged to attend a nursing information session. Find admission criteria, information session dates and much more information on this website - <https://www.hacc.edu/ProgramsandCourses/Programs/HealthCareers/Nurse-RN.cfm>. TEAS test required.

Length of Program and Degree Conferred - 67 credits in length. Completion time can vary depending on a candidate's background, need for identified preparatory skills and coursework and the student's educational plan. There are 2 options for completing the nursing program. One option is 4 semesters of clinical coursework and the second option is 8 semesters of clinical course work. An associate of science degree is awarded upon successful completion. Graduates are eligible to take the exam for RN licensure administered by the State Board of Nursing. The complete 4-semester program is offered at the Gettysburg, Harrisburg and Lancaster campuses. The complete 8-semester program is offered at the Harrisburg, Lancaster and York campuses. General education (prerequisite) courses can be taken at any campus. The program is accredited by the Accreditation Commission for Education in Nursing ([ACEN](#)).

Places of Employment and Outlook - Overall job opportunities for registered nurses are expected to be excellent, but may vary by employment and geographic setting. Nurses work in many settings, including hospitals, rehabilitation centers, long-term care centers, clinics, outpatient surgical centers, home health, occupational settings and schools. Advanced practice nurses may work independently.

Salary Range for Geographical Area – Median salary \$78,740 in PA from www.careeronestop.org Jan 2024

Educational Advancement - Continue your education with a BSN from Alvernia College, Capella University, Central Penn College, Drexel University & Online, Eastern Mennonite University, Eastern University - St. Davids, Harrisburg University, Immaculata University - Accelerated & Online, Indiana University of PA, Messiah College, Millersville University, Penn College of Technology, Penn State University - Harrisburg, Mont Alto, York, University of Phoenix, and York College. Advanced practice in a nursing specialty requires a master's degree. HACC has dual-admission agreements with Millersville University and Eastern Mennonite University.

The nursing program at HACC has established dual admission agreements with Millersville University and Eastern Mennonite University to ensure seamless transition to the completion of the BSN within 12-18 months after graduation. Classes are offered at the University campuses as well as York and Harrisburg HACC campuses. University representatives are available on HACC campuses every month for further discussion. For specific questions or information on a particular college or university, contact a nursing advisor.

Related Websites For Additional Information About The Profession

allnurses.com www.CareersForNurses.com

General questions? Please contact an [Admissions Counselor](#), by phone at 800-ABC-HACC, or by email at start@hacc.edu

NURSING, Associate in Science Degree PROGRAM REQUIREMENTS (TOTAL CREDITS = 67) Fall 2019

| General Education | | Major | |
|---|----|---|-----|
| ENGL 101 English Composition I | 3 | NURS 140 Intro to Nursing Practice Concepts I | 1 |
| ENGL 102 English Composition II | 3 | NURS 141 Intro to Nursing Practice Concepts II | 1 |
| COMM 101 Effective Speaking | 3 | NURS 142 Health Assessment Concepts for Nursing Practice | 3 |
| Humanities/Arts elective (SPAN 104 recommended) | 3 | NURS 143 Concepts of Informatics in Nursing Practice (FYS) | 1 |
| BIOL 121 Anatomy & Physiology I | 4 | NURS 144 Fundamental Concepts for Nursing Practice | 3 |
| BIOL 122 Anatomy & Physiology II | 4 | NURS 150 Holistic Health Concepts for Nursing Practice I (Wellness) | 5 |
| BIOL 221 Microbiology | 4 | NURS 151 Holistic Health Concepts for Nursing Practice II | 4.5 |
| MATH 103 College Algebra OR | 3 | NURS 240 Adult Health Concepts for Nursing Practice I | 2 |
| MATH 202 Intro to Statistics (4cr) | | NURS 241 Adult Health Concepts for Nursing Practice II | 2.5 |
| PSYC 101 General Psychology | 3 | NURS 242 Family Health Concepts for Nursing Practice I | 2.5 |
| | 30 | NURS 243 Family Health Concepts for Nursing Practice II | 2.5 |
| | | NURS 244 Advanced Behavioral Health Concepts for Nursing Practice | 2.5 |
| | | NURS 250 Complex Health Concepts for Nursing Practice | 2.5 |
| | | NURS 251 Leadership & Management Concepts for Nursing Practice | 4 |
| | | | 37 |

NOTE: A grade of C or higher is required in all courses.

FOR LPNS ONLY

LPN Transitional Track students receive credits for NURS 140, 141 by providing current unencumbered PA practical nursing license and official transcript showing successful completion of a practical nursing program.

Acceptance into the clinical component of the Associate Degree Nursing program as an LPN transitional track student is competitive and is based on published admission criteria and point system.

- The student who enters the Associate Degree program as an LPN will have the opportunity to earn credit for Nursing 150, 242, 243, and 244 by completing the Assessment Technology Inc. (ATI) Proctored Assessments and scoring at a passing level, as determined by the nursing department
 - Nursing 144 - Fundamental Concepts for Nursing Practice
 - Nursing 150 - Fundamentals of Nursing ATI Proctored Assessment
 - Nursing 242- Obstetrical Nursing Care ATI Proctored Assessment
 - Nursing 243- Pediatric Nursing Care ATI Proctored Assessment
 - Nursing 244- Mental Health Nursing Care ATI Proctored Assessment

RECOMMENDED SEQUENCE FOR FULL-TIME STUDENTS

| Summer I | | Fall Semester I | | Spring Semester I | |
|-------------------|--------|-------------------------|-----|---------------------------|-----|
| BIOL 121 (Core C) | 4 | BIOL 122 (Core C) | 4 | ENGL 102 | 3 |
| ENGL 101 | 3 | NURS 140 | 1 | NURS 150 (W) | 5 |
| | | NURS 141 | 1 | NURS 151 | 4.5 |
| | | NURS 142 | 3 | PSYC 101 (Core B) | 3 |
| | | NURS 143 (FYS) | 1 | | |
| | | NURS 144 | 3 | | |
| | | | | | |
| Summer II | | Fall Semester II | | Spring Semester II | |
| BIOL 221 | 4 | COMM 101 | 3 | Arts/Humanities Elective | 3 |
| MATH 103 | 3 | NURS 240 | 2 | (SPAN 104) | |
| or 202 (Core C) | (or 4) | NURS 241 | 2.5 | NURS 243 | 2.5 |
| | | NURS 242 | 2.5 | NURS 250 | 2.5 |
| | | NURS 244 | 2.5 | NURS 251 | 4 |

RECOMMENDED SEQUENCE FOR PART-TIME STUDENTS

| Spring Semester I | | Summer I | | Fall Semester I | | Spring Semester II | | Summer II | |
|--------------------------|--------|----------------------------|-----|---------------------------|---|---------------------------|-----|------------------|-----|
| BIOL 121 (Core C) | 4 | BIOL 122 (Core C) | 4 | PSYC 101 (Core B) | 3 | BIOL 221 | 4 | COMM 101 | 3 |
| NURS 140 | 1 | NURS 141 | 1 | NURS 150 (W) | 5 | NURS 151 | 4.5 | ENGL 101 | 3 |
| NURS 142 | 3 | NURS 144 | 3 | | | | | NURS 240 | 2 |
| NURS 143 (FYS) | 1 | | | | | | | NURS 242 | 2.5 |
| | | | | | | | | | |
| Fall Semester II | | Spring Semester III | | Summer III | | | | | |
| MATH 103 or 202 (Core C) | 3 or 4 | ENGL 102 | 3 | Arts/Hum Elect (SPAN 104) | 3 | | | | |
| NURS 241 | 2.5 | NURS 243 | 2.5 | NURS 251 | 4 | | | | |
| NURS 244 | 2.5 | NURS 250 | 2.5 | | | | | | |

LPN Transitional Track (LPN to RN)

Associate Degree - Gettysburg/Harrisburg/Lancaster/York

Students who have graduated from a practical nursing program and have a practical nursing license (unencumbered) from the PA State Board of Nursing can transition to the associate degree nursing program when they continue their education at HACC.

Prior to acceptance into nursing clinical courses, students will complete all of the admission requirements and first year supporting courses for the nursing program as indicated. Competence in dosage calculation must be demonstrated on admission to and for progression in the nursing program.

Program Admission Criteria - Selective program. Admission to the college doesn't guarantee admission to the clinical component of the program. You will be admitted as a pre-nursing student and work with a pre-nursing advisor to apply to the clinical/core component of the program. Check the [Health Careers website](#) (or see a nursing advisor) for complete program admission criteria.

See the curriculum for Nursing, Associate in Science Degree above.

General questions? Please contact an [Admissions Counselor](#), by phone at 800-ABC-HACC, or by email at start@hacc.edu

NURSE – Practical Nurse (LPN)

Certificate - Harrisburg/Lancaster/York

Description of Occupation - Practical nurses are integral members of the health care team. They function under the direction of a physician, dentist, or registered nurse in a variety of settings. Practical nurses meet the basic needs of patients by providing for comfort and safety through feeding, bathing, dressing, assisting with personal hygiene, and caring for their emotional needs. In addition, practical nurses administer medications, carry out therapeutic procedures such as vital signs, dressing changes, collecting specimens and observe/report symptoms and responses to treatment. Practical nurses may be exposed to bloodborne pathogens and potentially hazardous materials.

Practical nurses perform selected nursing acts using therapeutic communication techniques, the nursing process, and sound judgment based on knowledge and nursing skills. They provide consistent safe nursing care and participate as an effective member of the health care team. They accept responsibility for personal and professional continuing education and demonstrate accountability in nursing practices.

Practical nurses need to have excellent communication skills and be able to work in stressful and crisis situations. Problem solving skills, organizational skills, and an ability to prioritize and work well with others is essential. Other vital characteristics include motivation, integrity, maturity and ability to accept constructive criticism.

Program Admission Criteria - Selective program. Admission to the college doesn't guarantee admission to the clinical component of the program. You will be admitted as a pre-health professions student and work with your advisor to apply to the clinical/core component of the program. All nursing students are urged to attend a nursing information session. Find admission criteria, information session dates and much more information on this website - https://www.hacc.edu/ProgramsandCourses/Programs/HealthCareers/nurse_lpn.cfm. TEAS test required.

Length of Program and College Certificate Conferred - The practical nursing program is 53 credits in length. **This is a highly competitive program which requires completion of general education courses prior to beginning the clinical portion of the program.** The clinical component is sequenced in 3* semesters (January through December), with the awarding of a certificate in practical nursing upon successful completion. Completion time can vary depending on a candidate's background and need for identified preparatory skills and coursework and the student's rate of study. The complete program is offered at the Harrisburg and Lancaster campuses. Some required courses offered at other campuses and sites. Clinical sites are within an hour driving distance of the campus.

After successful completion of the program, graduates are eligible to take the NCLEX-PN exam to be licensed by the state Board of Nursing. Many practical nursing graduates seek additional education to become a registered nurse or pursue HACC's Health Science degree. The LPN transitional track at HACC offers and opportunity for LPNs to get an associate degree in nursing and to take the RN licensure exam. The program is accredited by the Accreditation Commission for Education in Nursing ([ACEN](#)).

Places of Employment and Outlook – Always on Top 25 Fastest Growing and Top 25 Occupations with the Most Openings. Practical nurses are employed in a variety of health care settings, including long-term care facilities, outpatient clinics, doctors' offices, home care and some hospitals.

Salary Range for Geographical Area – Median salary \$54,370 in PA from www.careeronestop.org Jan 2024

Related Websites For Additional Information About The Career - www.napnes.org/

General questions? Please contact an [Admissions Counselor](#), by phone at 800-ABC-HACC, or by email at start@hacc.edu

PRACTICAL NURSING Certificate Program

PROGRAM REQUIREMENTS (TOTAL CREDITS = 53)

| General Education | | Major | | | |
|-----------------------------|----|---|-----|---|-----|
| ENGL 101 English Comp I | 3 | PNUR 140 Intro to PN Concepts I | 1 | PNUR 151 Holistic Health Concepts II | 5 |
| COMM 101 Effective Speaking | 3 | PNUR 141 Intro to PN Concepts II | 1 | PNUR 152 Intro Concepts of Leadership | 4.5 |
| PSYC 101 General Psychology | 3 | PNUR 142 Data Collection Concepts for PN | 1 | PNUR242 Family Health Concepts I | 3 |
| BIOL121 Anatomy & PhysI I | 4 | PNUR 143 Concepts of Informatics in PN | 1 | PNUR 243 Family Health Concepts II | 3 |
| BIOL 221 Microbiology | 4 | PNUR 144 Fundamental Concepts for PN | 4 | PNUR 244 Advanced Behav Health Concepts | 3 |
| | | PNUR 145 Intro to Concepts of Gerontology | 2 | PNUR 245 Intro Concepts of Community Health | 2 |
| | 17 | PNUR 150 Holistic Health Concepts I | 5.5 | | |

Program-specific courses (taken upon acceptance into the clinical phase)

BIOL 121 (4 cr) must be taken prior to first PNUR course.

| Fall Semester I | | Spring Semester I | | Summer | | Fall Semester II | |
|-----------------|-----------|-------------------|-----------|----------|-----------|------------------|-----------|
| BIOL 121 | 4 | BIOL 221 | 4 | PNUR 242 | 3 | PNUR 150 | 5.5 |
| ENGL 101 | 3 | COMM 101 | 3 | PNUR 243 | 3 | PNUR 151 | 5 |
| PNUR 140 | 1 | PNUR 141 | 1 | PNUR 244 | 3 | PNUR 152 | 4.5 |
| PNUR 142 | 1 | PNUR 144 | 4 | PNUR 245 | 2 | | |
| PNUR143 | 1 | PNUR 145 | 2 | | | | |
| PSYC 101 | 3 | | | | | | |
| TOTAL | 13 | | 14 | | 11 | | 15 |

The complete program is available only at the York, Lancaster and Harrisburg campuses. Prerequisites offered at all other campuses and on-line.

NURSE – PRE-HOSPITAL REGISTERED NURSE (PHRN)

Noncredit Certificate Course – Harrisburg Campus (Public Safety Center)

In Pennsylvania, a PHRN functions at advanced life support level in the field. This course is designed to enhance the currently licensed Pennsylvania Registered Nurse's (RN) already existing professional and clinical experience. Although not required, a solid foundation in Anatomy & Physiology, Pharmacology and Cardiology is recommended.

Tuition for this course offering is \$1,800. This price does not include required textbooks, clinical screening fees or NREMT testing. Those students who successfully complete our course will be eligible to take the Pennsylvania Department of Health certification exam(s). Course pre-requisites include Advanced Cardiac Life Support (ACLS) and Pediatric Advanced Life Support (PALS).

This course is offered as a non-credit program. All candidates are required to schedule an interview with the Program Coordinator prior to acceptance.

For more information, contact the EMS Education Unit at HACC at 717-780-2510 or e-mail office at emstrng@hacc.edu. (North Hall 101)

NURSE – RN/LPN REACTIVATION or RN/LPN REFRESHER

Noncredit Certificate Course – Harrisburg Campus

This curriculum is under review and the program will return in January 2025. Contact Jackie Foster for information.

Contact Jackie Foster jafoster@hacc.edu 717-221-1354 or (800) 222-4222 ext 211354

NURSE AIDE

Noncredit Certificate Course - **Statewide**

Description of Occupation - A nurse aide (NA) or nursing assistant is a compassionate person who sees the purpose in his/her life to provide care and assistance to residents in a variety of long-term care settings. These NAs always work under the supervision of a licensed nurse and ensure comfort, safety, and the best state of wellness possible to all residents.

Some of the basic tasks they perform include: taking and recording vital signs; bathing the resident/client; assisting with range of motion exercises; changing bed linens; assisting with oral care; hair and nail care, help with feeding; infection prevention and safety measures.

Aside from these tasks, one of the most fulfilling opportunities a nurse aide will have is talking to and listening to the resident. These people are often sick, scared, in pain, confused, sad, lonely, and experiencing very stressful situations. A listening ear and a hand to hold can often make a world of difference in someone's day and life!

Nurse aides perform all types of personal care for residents who cannot care for their physical needs. They must have an understanding of the aging process and a desire to be sensitive to the needs of the aging population. They should have excellent verbal skills to communicate between the resident and other members of the health care team. **The nurse aide must have the ability to stand, walk, lift, and pull. They will be providing physical and psychosocial care of residents with long-term illnesses, and residents who, due to changes of aging, are no longer able to care for themselves.**

Program Admission Criteria - This is a noncredit certificate course. A college (credit) application is not required for this program. Check the [Health Careers website](#) for complete program admission criteria. Inquiries for the program at the noncredit health care office at Harrisburg Campus, Blocker Hall Room 221, Harrisburg, PA 17110 or email nurseaide@hacc.edu. For complete information and list of classes see this website - <https://www.hacc.edu/ProgramsandCourses/Programs/HealthCareers/Nurse-Aide.cfm>

Veterans Education Benefits - Non-credit healthcare programs which result in a certificate upon completion are approved for veterans' education benefits. VA benefits are based on the length of the class and the number of clock hours per week. Benefits are determined by the Department of Veterans Affairs. Tuition must be paid in advance since VA benefits are disbursed on a post-payment basis. Information on veterans' education benefits is available from the Military and Veterans Affairs Office, Cooper 204B, 717-780-2331 or e-mail vaoffice@hacc.edu.

Length of the Program - HACC's nurse aide certification program (approved by the Pennsylvania Department of Education) is offered statewide and is 120 hours in length and can be completed within 19 days. Upon successful completion of the program, students receive a certificate of completion, a pin, PA Nurse Aide Registry registration forms and course records. At that time, nursing assistants will also be eligible for certification by Credentia. *You must be 16 to take this exam. However many healthcare facilities may require employees to be age 18 and have a high school diploma or GED.*

Places of Employment and Outlook - BLS for USA - Employment of nurse aides, orderlies, and attendants is expected to grow by 20 percent from 2010 to 2020, faster than the average for all occupations. Because of the growing elderly population, many nursing aides, orderlies, and attendants will be needed in long-term care facilities, such as nursing homes. Some of these facilities will pay for the training.

Salary Range - Median salary is \$36,340 for “nursing assistants” in Harrisburg from www.careeronestop.org Jan 2024

Related Websites For Additional Information About The Career - www.directcarealliance.org/

Contact the Nurse Aide Training Program office 717-221-1352
 Harrisburg Campus, Blocker Hall Room 221, Harrisburg, PA 17110 or email nurseaide@hacc.edu
 To register for a class go to <https://vc.hacc.edu/> or find schedules and information
<http://www.hacc.edu/ProgramsandCourses/Programs/HealthCareers/Nurse-Aide.cfm>

CURRICULAR CONTENT:

| | | | |
|-------------------|----------------------------|------------------|----------------------|
| Nursing Theory | Privacy | Personal Hygiene | First Aid |
| Safety | Act 14 – Abuse | Sub-acute Care | Changes of Aging |
| Communication | Vital Signs – TPR/BP | Psychosocial | Body Functions |
| Individuality | Restorative Care | Dementia | Nurse Aide Role |
| Infection Control | Activities of Daily Living | Death & Dying | Employability Skills |
| | | | Resident Rights |

NURSING HOME ADMINISTRATOR

Noncredit program

Gain skills, knowledge to become a successful nursing home administrator (NHA) in less than three months!
 Continuing Education Units for Nurses and NHAs: Modules may be applied to the continuing education requirements for both professions. This program is 120-hours as required by the Pennsylvania State Board of Nursing Home Administrators. There are 16 modules that make up this 120 hour program. HACC will provide all 16 modules, a certificate of completion for each module and a certificate for completion for all 16 modules.

Each module meets on a Friday (either in person or zoom- HyFlex).

Tuition: \$175 per module. Students have the option to bundle and save. The tuition for the full course if registering for all modules at once is \$2,579.

Modules:

- General Administration
- Gerontology, Disease of Aging
- Role of Government in Healthcare
- Fiscal Management, Budgeting
- Personnel Management, Labor Relations
- Third Party Reimbursement
- Preparing for Licensure
- Understanding Regulations
- Planning, Marketing
- Nursing Department, Patient Care Management
- Rehabilitation, Special Care
- Health Support Services
- Facility Support Services
- Dietary Department, Patient Nutrition
- Social Services
- Risk Management, Safety, Insurance
- Strategic

Contact the Nurse Aide Training Program office 717-221-1352
 Harrisburg Campus, Blocker Hall Room 221, Harrisburg, PA 17110 or email nurseaide@hacc.edu To register for a class go to
<https://vc.hacc.edu/> or find schedules and information <http://www.hacc.edu/ProgramsandCourses/Programs/HealthCareers/Nursing Home Administrator.cfm>

PARAMEDIC

Noncredit Certificate – Harrisburg

Description of Occupation - The advanced-level curriculum is intended to prepare students to function on an ambulance (MICU or squad) or aeromedical service in a pre-hospital setting. Paramedics perform all skills at the BLS level plus invasive advanced skills such as IV's, medicine administration, interpretation of heart rhythms-EKG's and advanced airway management. Paramedics may be exposed to bloodborne pathogens and potentially hazardous materials.

Paramedics possess the knowledge, skills, and attitudes consistent with the expectations of the public and the profession. Paramedics recognize that they are an essential component of the continuum of care and serve as linkages among health resources. As an advocate for patients, paramedics seek to be proactive in affecting long term health care by working in conjunction with other provider agencies, networks, and organizations.

The paramedic must be a confident leader who can accept challenge and a high degree of responsibility entailed in the position. The paramedic must have excellent judgment and be able to prioritize decisions and act quickly in the best interest of the patient, must be self-disciplined, be able to develop patient rapport, interview hostile patients, maintain safe distance, and recognize and utilize communication

unique to diverse multicultural groups and ages within those groups. The paramedic must have knowledge and practical application of medications, keeping abreast of all contraindications to the administration of specific drugs based on the patient's medical history.

Length of Program – 11 months. The program meets one day per week in the traditional setting. Students are required to complete approximately 600 hours of field clinical internships through the duration of the program.

Paramedic graduates can pursue the [Health Science degree](#) and will receive 30 credits for their paramedic credential and current employment in the field.

For information, contact the EMS Training unit at 717-780-2510 or email emstrng@hacc.edu

Places of Employment and Outlook – Consistently on Top 25 Fastest Growing Occupations and Occupations with the Most Openings. Employment at advanced life support/paramedic services (for profit, non-profit, private, municipal and hospital based) throughout central and eastern Pennsylvania. Some facilities will pay for the candidate's training.

Salary Ranges for Geographical Area - \$49,420 median salary in PA from www.Careeronestop.org for paramedics Jan 2024

Related Websites For Additional Information About The Career - EMail EMSTrng@hacc.edu

Program questions? EMail EMSTrng@hacc.edu

PERSONAL CARE HOME ADMINISTRATOR

Noncredit Course – Harrisburg

HACC offers the full 100-hour course for new administrators and also offers individual courses to meet the requirements of the 24 annual CEU's for existing administrators. The course has been approved by the PA Department of Public Welfare to meet the requirements set forth in the new regulations. This program is designed to strengthen health and safety requirements and more adequately address all of the issues surrounding resident care. Course Cost: \$1,480 for the full 100-hour course or the program topics can be taken individually to meet the continuing education requirement (24 hours annually).

Veterans Education Benefits: Non-credit Healthcare Programs which result in a certificate upon completion are approved for veterans education benefits. VA benefits are based on the length of the class and the number of clock hours per week. Benefits are determined by the Department of Veterans Affairs. Tuition must be paid in advance since VA benefits are disbursed on a post-payment basis. Information on veterans' education benefits is available from the Military and Veterans Affairs Office, Cooper 204B, 717-780-2331 or e-mail vaoffice@hacc.edu.

The Personal Care Home Administrator's Course Requirements:

The administrator shall have one of the following requirements:

- A license as an RN from the Dept. of State
- An associate's degree or 60 credit hours from an accredited college or university
- A license as an LPN from the Dept. of State and 1 year of work experience in a related field
- A license as a nursing home administrator from the Dept. of State
- For a home serving 8 or fewer residents, a GED or high school diploma and 2 years direct care or administrative experience in the human services field.

This course may be taken in its entirety for new administrators or it can be broken down into parts to cover the 24 hours of required continuing education units as long as two full years have passed since taking the 120-hour course.

For additional information, nchealth@hacc.edu

PERSONAL TRAINER

Noncredit Certificate

Learn about our Personal Trainer Non-credit Certificate Program offered in the Harrisburg and York areas. This 316 hour (blended format) program prepares students to sit for a nationally accredited personal trainer certification such as the American College of Sports Medicine (ACSM) [Certified Personal Trainer](#) (CPT) exam.

How do I enroll in the program?

- [Enroll now](#)
- Federal financial aid is available. Complete the FAFSA form. www.fafsa.gov Contact Calix - cfuentes@hacc.edu if you have questions.

When and where does HACC hold classes?

- The Day Program is offered at York Barbell, York Pa
 - Classes meet two mornings a week 9 a.m. until 1 p.m., plus 8 hours a week online.
- The Evening Program is offered at HACC, Harrisburg campus.
 - Classes meet two evenings a week 5-9 p.m., plus 8 hours a week online.
- This is a 20-week, 316-hour program beginning every January and August.
- The fee is \$3,295.
- Discount provided to Licensed massage therapist.
- Classes begin every February and every July.

Where can I get more information?

- View [Bureau of Labor Statistics](#) information about personal trainers for information about the career, salaries, etc.
- This program is offered by contract on location: *Contact [Nina Kottcamp - nmkottca@hacc.edu](mailto:nmkottca@hacc.edu) if you'd like us to bring this program to your facility.*

Program questions? Contact: Nina Kottcamp nmkottca@hacc.edu

PHARMACY TECHNICIAN

Noncredit Certificate – Harrisburg and online

Description of Occupation - The Pharmacy Technician assists the Pharmacist in a variety of tasks from accepting and screening medication orders, preparing labels and medications, maintaining drug inventory quality and levels, performing insurance billing, preparing admixtures and compounding medications, maintaining patient records to participating in quality control processes. The Pharmacy Technician works under the direct supervision and authority of a Pharmacist.

Pharmacy Technicians should exhibit a professional demeanor; have effective oral and written communication skills; an aptitude for math and science; be self-directed and responsible for their own actions; motivated to learn; work effectively as a member of the health care team; enjoy working with others as well as receive constructive criticism and take verbal direction; understand and respect patient confidentiality issues; understand medical terminology; and knowledge of computer operations. For more information regarding physical abilities and behavioral characteristics required for a career as a Pharmacy Technician, please refer to the Essential Abilities.

Program Admission Criteria -*This is a noncredit course.* A college application, school transcripts and placement testing are not required. High school diploma or GED is required. Student must be at least 18 years of age. State Police Criminal Record Check and drug screening may be required for employment in the healthcare field but are not required to enter this program.

Length of Program -*This is a noncredit program.* The program is designed to be completed within six months in an online format. Quizzes and exams are given at the discretion of the instructor for each class. A Certificate of Completion is awarded after successfully completing this program. The program is designed to lead directly to an occupation. Students who complete this program successfully will pursue certification in this field and take the PTCB (Pharmacy Technician Certification Board). Field experience is recommended to further help prepare students for this certification exam.

Places of Employment and Outlook – Pharmacy technicians work in a variety of settings such as hospital pharmacies, retail pharmacies, extended-care facilities, home health agencies, and mail order pharmacy distributors. HACC does not offer assistance in job placement for this program.

Salary Range for Geographical Area–Median salary \$37,878 in Harrisburg from Salary.com for pharmacy technician I Jan 2023

Related Websites For Additional Information About The Career

www.ptcb.org www.papharmacists.com www.pharmacytechnician.com www.aphanet.org

Program questions? Contact: Noncredit Healthcare Education nchealth@hacc.edu

Required Courses – 114 Total Hours - It is offered fully online

| | |
|--------------------|---|
| Pharmacy Practice | Pharmaceutical Law & Ethics |
| Pharmacy Science | Job Readiness for the Healthcare Professional |
| Pharmacy Tech Math | |

PHLEBOTOMY TECHNICIAN

Noncredit Certificate Course – Gettysburg/Harrisburg/Lebanon

Description of Occupation - A phlebotomy technician is a customer oriented healthcare professional who is responsible for the proper identification, collection, and acceptance of specimens for clinical laboratory testing. Other duties include performing selected tests and the handling and processing of specimens in a variety of healthcare settings.

The phlebotomy technician must be able to read requisitions, discriminate colors and record information; communicate effectively and sensitively in order to elicit information; assess non-verbal communication and be able to transmit the information to all members of the health care team; manifest all the skills necessary to manipulate instruments and equipment; perform phlebotomy (drawing a blood specimen from the vein) safely and accurately; demonstrate the emotional health required for full utilization of their intellectual abilities; and recognize emergency situations and be able to take the appropriate action. Phlebotomists may be exposed to bloodborne pathogens and potentially hazardous materials. Phlebotomists should demonstrate qualities of accuracy, dependability, responsibility, and self-motivation. The phlebotomist must like working directly with patients and must be committed to quality health care. Phlebotomists must be able to work well under pressure and have excellent oral communication skills.

Program Admission Criteria – High School Diploma or GED and 18 years of age

Program Length: 100 total classroom and lab hours and 80 clinical hours. (Full time day classes are 7 weeks in length and part time, evening classes are 17 weeks in length.)

Employment options after completion: You will be able to work in a variety of settings including hospitals, medical and diagnostic laboratories, blood donor centers and doctor's offices.

Program cost: \$1,245 (includes the cost of textbook and certification exam). There is an additional \$25 fee for liability insurance coverage. Total Cost: \$1,270 (Financial aid is not available for this program.)

Salary Range for Geographical Area – Median salary \$38,434 in Harrisburg from Salary.com for phlebotomist Jan 2024

Questions? Contact Jackie Foster at jafoster@hacc.edu or 717-221-1354
To register for a class go to <https://vc.hacc.edu/> or find schedules and information

PHYSICIAN OFFICE ASSISTANT

Noncredit Certificate Program – Gettysburg/Harrisburg/Lancaster

This program prepares the student for entry-level position in an outpatient healthcare setting such as a medical practice or health-related call center. Students will become familiar with the general workflow of an outpatient medical practice, gain an understanding of medical insurance, and will be exposed to basic PC skills and the use of electronic records. Students will then put the newly acquired knowledge to use when performing a 160-hour, unpaid practicum experience.

Required Courses – 332 Total Hours (includes the 160-hour practicum)

| | |
|----------------------------|---|
| Intro to Healthcare | Patient Triage for Physician Office Assistant |
| Medical Office Operations | Intro to Healthcare Applications |
| Intro to Medical Insurance | Practicum |

Questions? Contact Noncredit Healthcare Education nchealth@hacc.edu **717-221-1354**

PRE HEALTH PROFESSIONS

Associate in Applied Science Degree

The Pre-Health Professions AS degree is designed to provide students with general and introductory courses within a number of areas within the healthcare field. Students select from a variety of industry concentrations; each providing them with instruction in the basic sciences, research, procedures and aspects of subject matter related to various healthcare occupations. This includes the ability for students in the **General Transfer** concentration to complete their first two years of a pre-health profession program, such as chiropractic, dentistry, medicine, pharmacy, veterinary, physical therapy, occupational therapy, and physician assistant, or other science or health care curricula, at HACC and then transfer their credits onto four-year institutions. Students seeking a degree in a specialty health career may select from the any one of the following concentrations: **Cardiovascular Technology, Dental Hygiene, Diagnostic Medical Sonography, Medical Laboratory Technology, Nursing, Practical Nursing, Radiologic Technology, Respiratory Therapist and Surgical Technology**. Those students graduating from the one of the specialty healthcare concentrations have the option to articulate their credits towards completing any one of HACC's healthcare associate degrees. Students interested in pursuing this option must speak to the appropriate program director for more information. Since the requirements of senior institutions vary widely, it is essential that a student choose an intended transfer institution as soon as possible and carefully follow the program described in that college's catalog.

GENERAL TRANSFER CONCENTRATION - REQUIREMENTS (TOTAL CREDITS = 60)

| General Education | Major Requirements | Other Required Courses |
|--|--------------------|------------------------------------|
| ENGL 101 English Composition I | 3 | AH 105 Medical Term for Healthcare |
| ENGL 102 English Composition II | 3 | 3 Transfer Electives*** |
| COMM 101 Effective Speaking | 3 | Program/Concentration Elect**** |
| Humanities & Arts Elective* | 3 | 12 |
| Mathematics Elective – MATH 103 | 3 | 15-16 |
| Mathematics or Science Elective – CHEM 101 | 4 | 27-28 |
| Science w/ a Laboratory Elective – BIOL 121 | 4 | |
| Social & Behavioral Science Elect – PSYC 101 | 3 | |
| First-Year Seminar – AH 140 | 3 | |
| Wellness** | 1 | 2/22 |
| | 30 | |

*Students are to select from the following courses: ART 181, 182; ENGL 206; FMTH 101 or THTR 101; HUM 101,115, 201; MUS 104; PHIL 200; or SPAN 104.

**See HACC catalog for a list of Wellness electives.

*** Students are to select their transfer electives appropriate for the transfer college. Some transfer schools require a second Humanities and Arts elective. Students should check with their intended transfer school for more information.

****Students are to select program concentration electives from the following courses: BIOL 101, 102, 122, 215, 221; CHEM 102, 203, 204; MATH 104, 119, 121, 202; PHYS 201, 202.

General questions? Please contact an [Admissions Counselor](#), by phone at 800-ABC-HACC, or by email at start@hacc.edu

RADIOLOGIC TECHNOLOGIST (X-ray)

Associate Degree – Lancaster

Description of Occupation - Radiographers create radiographic (X-ray) images of structures of the human body to aid practitioners in the diagnosis of medical conditions. These health care professionals provide direct patient care as they prepare and position patients for each exam. They utilize specialized equipment to obtain and process digital images that are transmitted via network connections for interpretation and viewing. Radiographers work in various environments including hospitals, outpatient centers, urgent care centers, surgical centers and doctor's offices. Radiographers may be exposed to bloodborne pathogens and hazardous materials.

Excellent oral and written communication skills are important for the radiographer. The career involves contact with patients while performing radiographic procedures. In a hospital setting there is considerable contact with various physicians and other health care professionals. Radiographers should be flexible with a desire to perform multiple tasks. Radiographers must have the ability to stand, lift, push, and pull objects. With an increase in the computerization of equipment, computer experience is an advantage. Radiographers must be skilled in the proper use of and the maintaining of radiation equipment, observing and following safety procedures, and the maintaining of patient/client records.

The program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), 20 North Wacker Drive, Suite 2850, Chicago, IL 60606-3182, (312) 704-5300, (<http://www.jrcert.org/>). Graduates are eligible to sit for the American Registry of Radiologic Technologists (ARRT) certification examination in radiography. Prerequisite courses for either program can be taken at any HACC location.

Program Admission Criteria *Selective program.* Admission to the college doesn't guarantee admission to the clinical component of the program. You will be admitted as a pre-health professions student and work with your advisor to apply to the clinical/core component of the program. Check the [Health Careers website](#) for complete program admission criteria. All Rad Tech students are required to attend a mandatory information session. For complete information see this website – <https://www.hacc.edu/ProgramsandCourses/Programs/HealthCareers/Radiologic-Technologist.cfm>.

Length of Program and College Degree Conferred - The radiologic technology program is 75 credits, with the awarding of an associate in science degree upon successful completion. The entire program can be completed in six semesters, provided the candidate has met the pre-requisites for admission to the program. The clinical component takes place during the last five semesters of the program. Students are assigned to clinical sites at local participating hospitals and imaging facilities arranged by HACC through the Lancaster Campus. The complete program is offered at the Lancaster campus. Some required courses offered at other campuses and sites. Graduates are eligible to sit for the American Registry of Radiologic Technologists (ARRT) certification examination in radiography.

Places of Employment and Outlook – On Top 25 Fastest-Growing Occupations and Top 25 Occupations with the Most Openings lists for the US.

Salary Range for Geographical Area – Median salary \$61,185 (radiologic technologist 1) in Lancaster from Salary.com Jan 2024

Related Websites For Additional Information About The Career

<https://www.asrt.org/> www.arrt.org

General questions? Please contact an [Admissions Counselor](#), by phone at 800-ABC-HACC, or by email at start@hacc.edu

**RADIOLOGIC TECHNOLOGY, Associate in Science Degree
PROGRAM REQUIREMENTS (TOTAL CREDITS = 75)**

| General Education | | Major (Clinical) | | | |
|--|----|--------------------------------------|---|-------------------------------------|----|
| ENGL 101 English Composition I | 3 | RADT 100 Intro to Rad Procedures | 3 | RADT 201 Rad Procedures II | 3 |
| ENGL 102 English Composition II | 3 | RADT 102 Intro to Rad Tech | 3 | RADT 202 Imaging Equipment | 2 |
| COMM 203 Interpersonal Communic Social & Behavioral Science Elective | 3 | RADT 105 Rad Protection & Biology | 2 | RADT 203 Rad Tech Clinical II | 3 |
| First Year Seminar (FYS) | 1 | RADT 106 Rad Tech Clinical Intro | 3 | RADT 205 Rad Pathology | 3 |
| Wellness | 1 | RADT 107 Rad Procedures I | 3 | RADT 207 Rad Tech Clinical III | 3 |
| MATH 103 College Algebra | 3 | RADT 108 Radiation Charact & Product | 3 | RADT 208 Imaging and Processing | 3 |
| BIOL 121 Anatomy & Physiology I | 4 | RADT 109 Rad Tech Clinical I | 2 | RADT 209 Image Analysis | 2 |
| BIOL 122 Anatomy & Physiology II | 4 | RADT 111 Intro to Radiation Sciences | 3 | RADT 210 Intro to Comput Tomography | 1 |
| SPAN 104 Spanish for Healthcare | 3 | | | RADT 211 Rad Tech Clinical IV | 3 |
| | 28 | | | RADT 212 Rad Tech Seminar | 2 |
| | | | | | 25 |

C or better required in all BIOL, COMM, ENGL, MATH & RADT courses.

Rev 2/20

Students are assigned to clinical sites at local participating hospitals and imaging facilities arranged by HACC through the Lancaster Campus. The complete program is offered only at the Lancaster campus. Some required courses offered at other campuses and sites.

Suggested course sequence

| Fall | Spring | Summer | Fall | Spring | Summer |
|-----------|----------|----------|----------|----------------------|----------|
| BIOL 121 | BIOL 122 | RADT 107 | RADT 201 | ENGL 102 | RADT 205 |
| ENGL 101 | COMM 203 | RADT 108 | RADT 202 | RADT 207 | RADT 210 |
| FYS elect | RADT 100 | RADT 109 | RADT 203 | RADT 208 | RADT 211 |
| MATH 103 | RADT 105 | | SPAN 104 | RADT 209 | RADT 212 |
| RADT 102 | RADT 106 | | Wellness | Soc/Beh Sci Elective | |
| RADT 111 | | | | | |

Computed Tomography (CT)

Post Primary Certification Education

The Radiologic Technology program offers courses in Computed Tomography (CT). Four of the courses are offered as on-line didactic instruction, and two are clinical education/lab courses. If you are interested in this program – **select Health Science as your major-Radiologic Imaging Concentration. Contact Tami Burkholder – tburkho@hacc.edu - for further instructions.**

The didactic courses will prepare radiologic technologists for the American Registry of Radiologic Technologist's (ARRT) post primary certification examination in CT and can be taken together or individually for category A CE which satisfies all of the biennium ARRT requirements.

Students must be registered or registry eligible in one of the following ARRT primary certifications - Radiography, Radiation Therapy, or Nuclear Medicine Technology - in order to be eligible to register for the courses.

Fall semester

- RADT 222 Computed Tomography Procedures, Patient Care, and Safety I (3 credits)
- RADT 224 Computed Tomography Sectional Anatomy & Pathology (3 credits)
- RADT 220 Computed Tomography Lab/Clinical (1.5 credits)

Spring semester

- RADT 223 Computed Tomography Procedures, Patient Care and Safety II (3 credits)
- RADT 225 Computed Tomography Physics, Instrumentation, and Imaging (3 credits)
- RADT 221 Computed Tomography Clinical (2 credits) (16 hours a week with flexible scheduling)

Check the [Health Careers website](#) for additional information or contact Tami Burkholder, tlburkho@hacc.edu, 717-358-2870.

Magnetic Resonance Imaging (MRI) Post Primary Certification Education

The Radiologic Technology program offers on-line courses in Magnetic Resonance Imaging (MRI) plus an optional flexible clinical experience intended for working technologists. This is not just a registry review; it prepares technologists to work in the field. If you are interested in this program – **select *Health Science* as your major- Radiologic Imaging Concentration. Contact Tami Burkholder – tlburkho@hacc.edu - for further instructions.**

What will I learn? MRI Anatomy, Pathology, MRI Procedures, MRI Principles and Image Formation, MRI Parameters and Pulsed Sequences, MRI Patient Safety and Instrumentation.

- All didactic courses are offered online in an interactive format.
- Clinical Rotations are optional in this 14-credit program. This program can be completed in as few as 2-3 semesters.
- We offer flexible scheduling for optional clinical rotations conducted over two to three semesters.
- Didactic courses meet the ARRT formal education requirements while clinical experience provides an opportunity to complete the ARRT clinical requirements.

Students must be registered or registry eligible in one of the following ARRT primary certifications - Radiography, Radiation Therapy, or Nuclear Medicine Technology - in order to be eligible to register for the courses.

Check the [Health Careers website](#) for additional information or contact Tami Burkholder, tlburkho@hacc.edu, 717-358-2870.

Radiology Informatics Specialist (PACS Administrator)

Associate in Applied Science Degree and Certificate – Virtual

Description of Occupation – Radiology Informatics, also called imaging informatics, combines information science, computer science and healthcare to manage the transfer, storage and retrieval of healthcare images and information in the Picture Archiving and Retrieval system (PACS) and the Radiology Information system (RIS).

A Radiology Informatics professional sometimes called a PACS administrator needs to be able to effectively work as a project manager, coordinating vendor, and local healthcare resources. Knowledge of imaging workflow and imaging procedures is necessary for a successful PACS professional.

Courses introduce students to HL7, DICOM, basic computer hardware, networking, project management, enterprise integration, PACS clinical opportunities, and include labs in a real PACS environment.

Program Admission Criteria – This is not a *selective program*.

Length of Program and College Degree Conferred – 62 credits with awarding of an associate in applied science degree or 31 credit certificate program upon successful completion. The complete program is offered online. Students are eligible and prepared to take all three levels of certification exams through the PACS Administrators Registry and Certification Association (PARCA) before graduation. Additionally, graduates receive three-points in the Academic Education Category towards the required seven-point qualification system for taking the American Board of Imaging Informatics Certification (ABII). Graduates are eligible to take the ABII with two levels of PARCA certification and two years' work experience in the field.

Places of Employment and Outlook - This recent addition to the job market is already expected to have a higher than average growth rate. Projections are showing a nearly 40% increase over the next ten years, and this is expected to continue as more health service providers switch to electronic image archives. PACS administrators work in medical imaging and information technology settings that utilize digital imaging, PACS, and Radiology Information System (RIS). They can also work in PACS equipment retail, PACS sales, and PACS support services.

Salary Range for Geographical Area – Median salary \$97,500 for Picture Archiving and Communications System Administrator in Lancaster from Salary.com Jan 2024

Related Websites for Additional Information About the Career

[American Board of Imaging Informatics](#) (ABII)

[PACS Administrators Registry and Certification Association](#) (PARCA)

Questions? Contact Tami Burkholder TLBURKHO@HACC.EDU 717-358-2837 or (800) 222-4222 ext 312837

RADIOLOGY INFORMATICS, Associate in Applied Science Degree (#3786) revised Fall 2022 PROGRAM REQUIREMENTS (TOTAL CREDITS =62)

| General Education | Major Requirements | Other Required Courses |
|--------------------------------------|--|--------------------------------------|
| ENGL 101 English Comp I | 3 RADI 100 DICOM | 2 BIOL 111 Intro to Human Bio |
| COMM 203 Interpersonal Communic | 3 RADI 101 Health Level 7 | 3 CIS 105 Intro to Software |
| First Year Seminar (FYS) | 1 RADI 102 RADI Quality Control, Regs & Security | 3 RADI 104 Intro to Rad for Informat |
| Social & Behavioral Science Elective | 3 RADI 125 RADI Hardware & Support | 3 RADI 110 Rad Basics for Informat |
| Wellness | 1 RADI 202 PACS Analysis | 4 SPAN 104 Spanish for Healthcare |
| | 11 RADI 203 RADI Advanced Concepts EHR | 2 |
| | RADI 204 RADI Advanced Concepts CPACS | 2.5 |
| | RADI 205 RADI Project Management | 4 |
| | RADI 206 RADI Adv Concepts Business Analytics | 2.5 |
| | RADI 210 RADI Internship I OR | 4 |
| | RADI 214 RADI Cert Exam Prep I (Tech) (3) | |
| | RADI 211 RADI Internship II OR | 4 |

A grade of "C" or higher is required for all RADI courses.

RECOMMENDED SEQUENCE FOR FULL-TIME STUDENTS

| Fall Semester I | | Spring Semester I | | Summer I | |
|-------------------------|------|---------------------------|------|------------------|---|
| CIS 105 | 3 | ENGL 101 | 3 | RADI 202 | 4 |
| FYS Elective | 1 | RADI 102 | 3 | RADI 203 | 2 |
| RADI 100 | 2 | RADI 110 | 4 | | 6 |
| RADI 101 | 3 | RADI 125 | 3 | | |
| RADTI 104 | 4 | | 13 | | |
| | 13 | | | | |
| Fall Semester II | | Spring Semester II | | Summer II | |
| COMM 203 | 3 | BIOL 111 | 3 | Social/Behav | 3 |
| RADI 204 | 2.5 | RADI 206 | 2.5 | Sci elect | |
| RADI 205 | 4 | RADI 211 or 215 | 4 | SPAN 104 | 3 |
| RADI 210 or 214 | 4 | Wellness | 1 | | |
| | 13.5 | | 10.5 | | 6 |

**RADIOLOGY INFORMATICS, Certificate (#3296)
PROGRAM REQUIREMENTS (TOTAL CREDITS =31)****Major Requirements**

| | |
|--|-----|
| RADI 100 DICOM | 2 |
| RADI 101 Health Level 7 | 3 |
| RADI 102 RADI Quality Control, Regs & Security | 3 |
| RADI 104 Intro to Rad Tech for Rad Informatics | 4 |
| RADI 110 Radiology Basics for Informatics | 4 |
| RADI 202 PACS Interface & Systems Analysis | 4 |
| RADI 203 RADI Advanced Concepts EHR | 2 |
| RADI 204 RADI Advanced Concepts CPACS | 2.5 |
| RADI 205 RADI Project Management | 4 |
| RADI 206 RADI Adv Concepts Business Analytics | 2.5 |
| | 31 |

Note: A grade of C or higher is required for all RADI courses.

3/10/22

REFLEXOLOGIST

Noncredit Certificate – Harrisburg

Description of Occupation - Highlights the impact of pressure points on the feet, hands and ears and the techniques that reduce stress and increase relaxation to help revitalize the body. Acting as a powerful therapeutic technique, Reflexology aids in circulation, body detoxification, and immune and nervous systems functioning. It also helps calm the emotions and assist in the release of tension.

Program Information - The reflexology program is offered at the Harrisburg campus.

Our 112 hour course of study is designed to provide students with the knowledge, skill and ability to use Reflexology as an effective bodywork modality, and allow them to meet the current national examination requirements for certification with the American Reflexology Certification Board. Students will learn: History of Reflexology; Theory and principles of Reflexology; Techniques for effective application Relevant anatomy and physiology; Map of reflexes on the feet, hands and ears; Business practices and ethics; How to effectively document sessions; How to perform a complete reflexology session.

Questions? Contact Nina Kottcamp nmkottca@hacc.edu **717-221-1386 or (800) 222-4222 ext. 211386**

RESPIRATORY THERAPIST

Associate Degree – Harrisburg

Description of Occupation - Respiratory therapists work with all kinds of patients, from the critically ill accident victim on a mechanical ventilator, to the elderly person suffering from chronic obstructive pulmonary disease, to the child struggling to cope with an asthma attack, to the premature infant born with underdeveloped lungs. In the area of diagnosis, respiratory therapists (RT's) measure the capacity of a patient's lungs to determine if there is impaired function. They draw and analyze blood specimens to determine the levels of oxygen, carbon dioxide, and other gases in order to assess the best course of treatment for a particular patient. Once diagnosed, the RT is responsible for treating patients and providing therapy that will help them recover their lung function. RT's also employ mechanical ventilation for treating patients who cannot breathe adequately on their own and administer medications in aerosol form to help alleviate breathing problems and help prevent respiratory infections. Respiratory therapists may be exposed to bloodborne pathogens, potentially hazardous materials and ionizing radiation.

Respiratory therapists must be sensitive to the needs of patients who have serious physical impairments. They work well as members of the health care team and have superior communication skills to deal with other members of the health care team, patients, and their families. Attention to details and the ability to follow instructions carefully are prerequisites for respiratory therapists.

Most respiratory therapists work in hospitals where they perform intensive care, critical care, and neonatal procedures. They are also typically a vital part of the hospital's lifesaving response team that handles patient emergencies. Respiratory therapists function effectively as members of the health care team; think critically; and have excellent communication skills.

Program Admission Criteria - Selective program. Admission to the college doesn't guarantee admission to the clinical component of the program. You will be admitted as a pre-health professions student and work with your advisor to apply to the clinical/core component of the program. Check the [Health Careers website](#) for complete program admission criteria. **All respiratory therapy students are required to meet with the program director, Curtis Aumiller – rcaumill@hacc.edu.** For complete information see this website - <https://www.hacc.edu/ProgramsandCourses/Programs/HealthCareers/Respiratory-Therapist.cfm>

Length of Program and College Degree Conferred - The respiratory therapist program is 68 credits, including 5 clinical semesters, with the awarding of an associate in science degree upon successful completion. Completion time can vary depending on a candidate's background and need for identified preparatory skills and coursework and the student's rate of study. The complete program is offered at the Harrisburg campus. Prerequisites offered at all other campuses and on-line. The respiratory therapist program uses local healthcare facilities in the Dauphin, Cumberland, and Lehigh county areas, however, the student may be required to travel to other areas in order to meet the learning objectives. Questions regarding these rotations should be discussed with the Program Director, Prof. Aumiller (see contact information below). Graduates are eligible to become a registered respiratory therapist (RRT). The program is accredited by the Commission on Accreditation for Respiratory Care (CoARC) (www.coarc.com), 364 Precision Blvd., Telford, TN 37680, (817) 283-2835. The program goal is to prepare graduates with demonstrated competence in the cognitive (knowledge), psychomotor (skills), and affective (behavioral) learning domains of respiratory care practice as performed by registered respiratory therapists (RRTs).

Places of Employment and Outlook – Consistently on Top 25 Fastest-Growing and Top 25 Occupations with the Most Openings lists. Growth in the middle-aged and elderly population will lead to greater demand for respiratory therapy services and treatments, mostly in hospitals and nursing homes.

Salary Range for Geographical Area - \$74,052 median salary for Registered Respiratory Therapists in Harrisburg from salary.com Jan 2024.

Related Websites For Additional Information About The Career

[American Association for Respiratory Care \(AARC\)](http://www.aarc.org) www.aarc.org
[Commission on Accreditation for Respiratory Care \(CoARC\)](http://www.coarc.com) www.coarc.com

General questions? Please contact an [Admissions Counselor](#), by phone at 800-ABC-HACC, or by email at start@hacc.edu
 Program questions? Contact **Curtis Aumiller, Program Director** rcaumill@hacc.edu

RESPIRATORY THERAPIST, Associate in Science Degree (#3920)

PROPOSED PROGRAM REQUIREMENTS (TOTAL CREDITS = 68)

Required General Education

| | |
|--|----|
| ENGL 101 English Composition I | 3 |
| ENGL 102 English Composition II | 3 |
| COMM 101 Effective Speaking | 3 |
| BIOL 111 Introduction to Human Biology | 3 |
| Humanities/Arts elective | 3 |
| Social/Behavioral Science elective | 3 |
| Mathematics elective | 3 |
| PE/Wellness | 3 |
| RESP 100 Introduction to RC* | 1 |
| FYS Course | 2 |
| | 1 |
| * Math 090- prereq | |
| Total Credits for General Education | 25 |

| | |
|--------------------------------|---|
| RESP 120 Cardiopulmonary A & P | |
| RESP 130 Hospital Orientation | |
| RESP 140 Oxygen Administration | |
| RESP 150 Pharmacology | 4 |
| RESP 160 Patient Assessment | 2 |
| RESP 170 Therapeutics | 4 |
| RESP 175 Clinical Practice I | 3 |
| | 3 |
| | 4 |
| | 2 |

Major

| | |
|--|---|
| RESP 200 Cardiopulmonary Diseases | 3 |
| RESP 205 Clinical Practice II | 2 |
| RESP 210 Critical Care | 6 |
| RESP 230 Cardiopulmonary Lab Procedures | 2 |
| RESP 235 Clinical Practice III | 2 |
| RESP 245 Clinical Practice IV | 2 |
| RESP 270 Neonatal & Pediatric Respiratory Care | 4 |

Total Credits for Major 43

Courses required prior to clinical admission (Refer to Admission Criteria on the HACC website for a complete listing of requirements.)

- BIOL 111
- CHEM 100 (Math 091 is a prerequisite) ENGL 101
- RESP 100 (MATH 091 is a prerequisite) (Must be taken within 24 months of clinical start.)

Recommended course sequence

| <u>Fall I</u> | <u>Spring I</u> | <u>Summer I</u> | <u>Fall II</u> | <u>Spring II</u> | <u>Summer II</u> |
|---------------|-----------------|-----------------|----------------|----------------------------|------------------|
| BIOL 111 | RESP 120 | RESP 140 | RESP 170 | RESP 210 | RESP 245 |
| COMM 101 | RESP 130 | RESP 150 | RESP 205 | RESP 235 | RESP 270 |
| RESP 100 | RESP 160 | RESP 175 | RESP 230 | HUM/ARTS ELECTIVE | |
| ENGL 101 | RESP 200 | | ENGL 102 | SOC/BEHAV SCIENCE ELECTIVE | |

Note: A grade of C or higher is required for ENGL 101; COMM/SPCH 101; BIOL, and RESP courses. Graduation requirements include satisfactory performance on comprehensive written, laboratory, simulation and oral examinations administered within five weeks prior to graduation.

REVISED 12/23
RCA

The complete program is available only at the Harrisburg Campus. Prerequisites offered at all other campuses and on-line.

SURGICAL TECHNOLOGIST

Associate Degree - Harrisburg

Description of Occupation - Surgical technologists are allied health professionals who are an integral part of the team of medical practitioners providing surgical care to patients in a variety of settings. The surgical technologist works under medical supervision to facilitate the safe and effective conduct of invasive surgical procedures. A surgical technologist possesses expertise in the theory and application of sterile and aseptic technique and combines the knowledge of human anatomy, surgical procedures, and implementation tools and technologies to facilitate a physician's performance of invasive therapeutic and diagnostic procedures. Surgical technologists may be exposed to bloodborne pathogens and potentially hazardous materials.

The ability to perform under pressure in stressful and emergency situations is a quality essential to surgical technologists. A stable temperament, a strong sense of responsibility, considerable patience, and concern for order are required. Manual dexterity and physical stamina are vital. They must be oriented to detail, yet able to integrate a number of activities according to priority. They must be keenly sensitive to the needs of the patient as well as to the needs of other members of the surgical team.

Surgical technologists need manual dexterity to handle instruments quickly. They also must be conscientious, orderly, and emotionally stable to handle the demands of the operating room environment. Technologists must respond quickly and know procedures well to have instruments ready for surgeons without having to be told. They are expected to keep abreast of new developments in the field. Recommended high school courses include health, biology, chemistry, and mathematics.

Program Admission Criteria - *Selective program.* Admission to the college doesn't guarantee admission to the clinical component of the program. You will be admitted as a pre-health professions student and work with your advisor to apply to the clinical/core component of the program. Check the [Health Careers website](#) for complete program admission criteria. **All Surg Tech students are required to meet with the program director, Emily Simms – emsimms@hacc.edu or Dr. Michelle Bucks mabucks@hacc.edu and attend a mandatory information session** before applying. For complete information see this website - <https://www.hacc.edu/ProgramsandCourses/Programs/HealthCareers/Surgical-Technologist.cfm>

Length of Program and College Degree Conferred - The surgical technology program is offered as a 63-credit program, with the awarding of an associate in applied science degree upon successful completion. Completion time can vary depending on a candidate's background and need for identified preparatory skills and coursework and the student's rate of study. The complete program is offered at the Harrisburg campus. All required prerequisite courses offered at other campuses and sites and/or online. Students are required to take the National Board of Surgical Technology and Surgical Assisting (NBSTSA) examination prior to graduation. Graduation is not dependent upon passing the NBSTSA exam. Certification provides evidence to employers, colleagues in the field and the general public that certified surgical technologists and first assistants meet national standards. Certification is often a condition of employment, a route to higher pay and a source of nationwide recognition. The program goal is to prepare competent entry-level surgical technologists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. The program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP).

Places of Employment and Outlook – Consistently on Top 25 Fastest-Growing and Top 25 Occupations with the Most Openings lists. Many surgical technologists are employed in hospital operating rooms, delivery rooms, ambulatory care areas, and central supply departments. Job opportunities will be best for technologists who are certified.

Salary Range for Geographical Area –\$52,833 median salary for surgical technologist certified in Harrisburg from Salary.com Jan 2024

Related Websites For Additional Information About The Career

www.ast.org/ www.nbstsa.org

General questions? Please contact an [Admissions Counselor](#), by phone at 800-ABC-HACC, or by email at start@hacc.edu
 Program questions? Contact Emily Simms - to set up an Appt visit: <https://hacc.campus.eab.com/pal/juHYs3gXR6>
emsimms@hacc.edu 717-221-1321 or (800) 222-4222 ext 211321

**SURGICAL TECHNOLOGY, Associate in Applied Science Degree
PROGRAM REQUIREMENTS (TOTAL CREDITS = 63)**

| General Education | 3 | Major | 3 | Other Required Courses | 3 |
|----------------------------------|----|----------------------------------|---|-----------------------------------|----|
| ENGL 101 English Comp I | 3 | SURG 101 Concepts in Surg Tech | 3 | AH 105 Medical Terminology | 3 |
| COMM 101 or 203 Communications | 3 | SURG 105 Pharmacology | 1 | BIOL 121 Anatomy and Physiology I | 4 |
| Core A Global Awareness elective | 3 | SURG 110 Intro to Surgical Tech | 5 | BIOL 122 Anatomy and Phys II | 4 |
| PSYC 101 Gen Psych (Core B) | 3 | SURG 111 Surgical Procedures I | 5 | BIOL 221 Microbiology | 4 |
| AH 140 Intro to Allied Health | 3 | SURG 112 Surgical Procedures II | 5 | BIOL 230 Physiological Pathology | 3 |
| PE/Wellness | 1 | SURG 210 Surg Clinical Extern I | 3 | | 18 |
| | 16 | SURG 220 Surg Clinical Extern II | 4 | | |

Note: A grade of C or higher is required for all BIOL and SURG courses, ENGL 101 and COMM 101/203.

The hospital externship begins in the second clinical semester. There are three externship semesters in the clinical program.

Fall Semester I

AH 105
AH 140
BIOL 121 (Core C)
ENGL 101
PSYC 101 (Core B)

Spring Semester I

BIOL 122
BIOL 221
SURG 101 (Classroom)
Wellness

Summer I

SURG 105 (Classroom)
SURG 110 (Classroom)

Fall Semester II

BIOL 230
COMM 101 or 203
SURG 111 (Classroom)
SURG 210 (Clinical)

Spring Semester II

Core A Global Awareness
SURG 112 (Classroom)
SURG 220 (Clinical)

Summer II

SURG 230 (Clinical/Class)

| Clinical Course Sequencing | | |
|--|---|---|
| Spring I SURG 101-3 credits Thursday 9-12:30 | Summer I SURG 105-1 Credit Tuesday 1:30 – 2:30 SURG 110-5 Credits Tuesday lecture 8-1. Thursday Lab 9-12 or 1-4 | |
| Fall SURG 111- 5 Credits Monday lecture 8:30 -12 Tuesday Lab 9-12 or 1-4 SURG 210-3 Credits Clinical Wed., Thurs., Friday 7-3 | Spring SURG 112-5 Credits Monday 8-4 SURG 220-4 Credits clinical Tues., Wed., Thurs., and Friday-7-3 | Summer II SURG 230-3 Credits (8 weeks) Clinical- Monday and Tuesday 7-3 Lecture class Wednesday 9-11:30 |

Complete program offered at Harrisburg campus. Prerequisites offered at all other campuses and on-line. Clinical externships can be completed in health care facilities throughout our service area, including Lancaster, York, Lebanon and Gettysburg.
EMS 7/19/23

WELLNESS & HEALTH PROMOTION (WHP)

Associate in Applied Science Degree - Gettysburg/Harrisburg/Lancaster/Lebanon/York/Virtual
WHP courses are offered only online.

The Wellness and Health Promotion Associate in Applied Science degree program prepares students for a rewarding career helping individuals, employers, communities, healthcare systems, and government agencies realize the power and potential of promoting healthy lifestyles, preventing disease, and supporting wellness for all individuals. This program allows students to select from two tracks: Workplace Wellness or Community Health. Students in both tracks gain a foundation of the various dimensions of wellness, health promotion, and health coaching. The curriculum provides students with the skills for promoting healthy choices, facilitating behavior change, assessing individuals, groups, and programs, and for designing and evaluating wellness-based programs. Students prepare for employment in the field by participating in a field and capstone experience, completing an electronic portfolio for professional use, and submitting a post-graduation plan.

The Workplace Wellness track prepares graduates to design and implement wellness programs for both employers and employees using effective communication and program marketing skills.

The Community Health option prepares graduates to be health advocates within health agencies and healthcare systems, as they connect individuals to available services and resources within their respective communities.

Program graduates are prepared for and are highly encouraged to complete the *Health Coach Certification* from the *American Council on Exercise (ACE)* or a similar professional certification. Although this is not specifically designed as a transfer program, opportunities do exist for students to apply for admission to certain on-campus or online Bachelor's Programs once they have completed this degree, or more, along with specific prerequisites.

The complete program is available through Virtual Learning.

The Wellness and Health Promotion Program prepares students to work in this emerging field within the healthcare system, non-profits organizations, corporations, and government agencies as: Health Educators or Advocates, Wellness or Health Coaches, Work-place Wellness Coordinators. Community Health Workers or Specialists, Behavior Modification Specialists, Community Engagement Specialists, Health Promotion Specialists or Coordinators, or Prevention Specialists

**General questions? Please contact an [Admissions Counselor](#), by phone at 800-ABC-HACC, or by email at start@hacc.edu
Program questions? Contact Sandra Kroft- stkroft@hacc.edu .**

**WELLNESS AND HEALTH PROMOTION, Associate in Applied Science Degree - 3610
PROGRAM REQUIREMENTS (TOTAL CREDITS = 60)**

| General Education | | Major Requirements | | Other Required Courses | |
|---|----------|--|------------|---|----------|
| ENGL 101 English Composition I | 3 | WHP 101 Intro to Wellness & Health Promotion | 3 | BIOL 111 Intro to Human Biol (or) | 3 |
| ENGL 102 English Comp II (or) | 3 | WHP 102 Approaches to Weight Management | 3 | BIOL 121 Anatomy & Physiology | (4) |
| ENGL 104 Technical Writing (or) | (3) | WHP 103 Approaches to Stress Management | 3 | MGMT 227 Project Management | 3 |
| ENGL 106 Business Writing | (3) | WHP 201 Health Behavior Change & Interventions | 3 | PSYC 209 Life Cycle Development | 3 |
| COMM 101 Effective Speaking (or) | 3 | WHP 202 Fnd of Health Coaching | 3 | **Program Specific Electives | <u>3</u> |
| COMM 203 Interpersonal Comm | (3) | WHP 205 Assessment, Programming & Evaluation | 3 | | 12 |
| Humanities & Arts Elective: Core A Elective | 3 | WHP 206 Wellness & Health Promotion Capstone | 3 | <i>** Choose any three of GERT 100, 101, 102, or 103; or PSYC 229</i> | |
| PSYC 101 General Psych (Core B) | 3 | *Workplace Wellness Track (or) | 6 | | |
| MATH 202 Intro to Stats (Core C) | 4 | *Community Health Track | <u>(6)</u> | | |
| Wellness | 1 | | 27 | | |
| First Year Seminar (FYS) | <u>1</u> | | | | |
| | 21 | | | | |

**Choose one of the following tracks:*

Workplace Wellness Track

| | | |
|--|----------|--|
| MKTG 201 Principles of Marketing | 3 | |
| WHP 204 Concepts of Workplace Wellness | <u>3</u> | |
| | 6 | |

Community Health Track

| | |
|---------------------------------------|----------|
| HUMS 108 Drugs & Alcohol: Use & Abuse | 3 |
| WHP 203 Concepts of Community Health | <u>3</u> |
| | 6 |

Note: A grade of C or higher is required for all WHP courses, MATH 202 and BIOL 111 or 121.

HACC's Massage Student Studio

The studio is located on the Harrisburg campus in the Hall Technology Building, Room 203.

\$40 for a one-hour student massage. Tips are welcome and fund the massage therapy student emergency fund. Call 717-221-1317 or click here - <https://noterro.com/clinics/view/92202fd102ca702450f7c2e1e9eebd91> to schedule an appointment.

Student massage appointments are 1-hour massage sessions, based on the students' current skills. Please check with your doctor if you are not sure you are a candidate to receive a massage.

Payment must be paid by credit card.

Each student is required to complete a minimum of 50 supervised massages in the student studio, outside classroom hours. Each class begins studio at the end of Swedish massage and continues until the end of the program.

HACC's Dental Clinic

Can't afford dental visits? Maybe we can help.

What you will receive...

A comprehensive dental exam, a routine cleaning, and thorough home care instructions performed by our dental hygiene students. You will receive individualized treatment based on examination findings. If needed, x-rays, deep (periodontal) cleaning and sealants are also available.*

How much it will cost...

We are now a registered Medical Assistance provider offering a *sliding fee scale* for qualified individuals, as well as *discounts for HACC students!*

How can I find out more?

Call 717-780-2441 or email dhclinic@hacc.edu

because the student dental hygienists are still in the learning stage of providing preventive services, it may take multiple 2.5 hour visits in our clinic to complete your treatment

COVID-19 Immunization Requirements of Clinical Facilities

<http://www.hacc.edu/ProgramsandCourses/Programs/HealthCareers/covid-19-immunization-requirements-of-clinical-facilities.cfm>

Effective May 23, 2022, HACC's campuses AND buildings will be open to all students, employees and the general public. This information is tentative and subject to change. hacc.edu/Coronavirus for more information.

