



EXPLORING HEALTHCARE CAREERS

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3+1 PROGRAMS

College of DuPage has partnered with Benedictine University (Nursing), Governors State University (Nursing-Online) and Concordia University Chicago (Healthcare Management) to offer 3+1 programs allowing students to earn a bachelor's degree at a greatly reduced cost at the College of DuPage campus. **Visit cod.edu/3plus1** for more information.



Why choose College of DuPage **HEALTH SCIENCES PROGRAMS?**

Our Health Sciences programs offer associate degrees, certificates and transfer programs in many areas of health care. Our courses offer hands-on training and academic skills that prepare students for numerous careers in the medical field, including clinical and patient care skills, lab work, research and medical office administration.

College of DuPage is a leader in health care with state-of-the-art facilities that include:

- Two Hospital Simulation Labs—The first lab consists of a nurse's station, four hospital rooms and a medication dispensing device. The second lab mimics the home healthcare environment so that students get a broader range of simulation experiences.
- College of DuPage is the only community college in the country to house a Computed Tomography (CT) Scanner. Students in radiation therapy, radiography and nuclear medicine get hands-on experience using the CT scanner, making them more attractive to employers when they enter the job market.
- The Surgical Technology lab includes two training operating rooms that allow students to perform preoperative, postoperative and intraoperative functions.
- The Sonography lab includes eight private scanning stations with view boxes to review films.
- The Dental Hygiene program utilizes an on-campus dental clinic where the students learn to provide comprehensive oral health care services.
- Our Health Sciences programs provide quality clinical education with a wide range of affiliate hospitals and health care institutions included in their education.
- College of DuPage Health Sciences students obtain employment after graduation in many of the community hospitals and clinics within the Chicago area as well as other states.
- A mobile X-ray unit is bringing wireless technology into radiography labs at College of DuPage. With its mobility, the X-ray unit can move from the Hospital Simulation lab to the mock operating room lab, thereby maximizing its effectiveness as a teaching and learning tool. Wireless technology is what hospitals are using today. New technologies like the mobile X-ray unit provide students with the additional skills necessary for a career in the Health Sciences.

DIAGNOSTICS SERVICES

CLINICAL LAB SCIENCE (CLS)

Program Length: 2-plus years full-time

Class Time: Days and evenings

Degree/Certificate: Associate in Science, 2+2 Transfer Program

Entry Salary: \$21-23 an hour

The Clinical Laboratory Scientist (CLS) performs a variety of laboratory tests that help the physician evaluate, diagnose and monitor medical treatment. Many of the complex laboratory tests uncover diseases such as AIDS, diabetes, leukemia and many others.

COMPUTED TOMOGRAPHY (CT)

Program Length: 2 semesters (9 months)

Class Time: Evening classes; day clinicals

Degree/Certificate: Advanced Certificate ☼

Entry Salary: \$28-36 an hour

Computed Tomography (CT) is one of many health professions that use different types of energy to produce diagnostic images (i.e., Radiography, Nuclear Medicine, Mammography, Magnetic Resonance). Using a narrow beam of x-radiation passing through and rotating around the patient or specific body part, CT uses radiation detectors to produce a series of digital medical images of "slices" through the body in an axial plane of various thicknesses (e.g. 0.5 to 5.0 mm). These images are then displayed in cross sectional method as a computed image in different planes, such as axial or transverse, sagittal or longitudinal, and coronal. The CT procedures may also use contrast media to illustrate anatomy or function.

MAMMOGRAPHY

Program Length: 1 semester

Class Time: Evenings

Degree/Certificate: Advanced Certificate ☼

Entry Salary: \$25-35 an hour

Mammography is a medical imaging modality that uses ionizing radiation to produce images of the breast. Mammographers perform breast imaging procedures, operate equipment, evaluate breast images as well as perform quality control testing on the equipment.

DIAGNOSTIC MEDICAL IMAGING RADIOGRAPHY (DMIR)

Program Length: 2 years full-time

Class Time: Year 1: Class and Lab: M, W, F; Clinicals: T, R; **Year 2:** Class and Lab: T, R; Clinicals: M, W, F

Degree/Certificate: Associate in Applied Science

Entry Salary: \$24-34 an hour

Radiographers take X-rays and are involved with short-term patient care, positioning the body, setting equipment to deliver the proper amount of radiation, checking image quality and practicing radiation protection.

DIAGNOSTIC MEDICAL IMAGING SONOGRAPHY (DMIS)

Program Length: Associate in Applied Science: 24 months full-time; Advanced Certificate: 6 months full-time

Class Time: Days, evenings and/or weekends

Degree/Certificate: Associate in Applied Science, Advanced Certificate ☼

Entry Salary: AAS: \$30-35 an hour; Advanced Certificate: \$33-38 an hour
The use of ultrasound equipment is utilized to create images for medical interpretation and diagnosis in abdomen and superficial structures, obstetrics and gynecology. The AAS includes vascular sonography.

DIAGNOSTIC MEDICAL IMAGING VASCULAR SONOGRAPHY

Program Length: 6 months

Class Time: Days, evenings and weekends

Degree/Certificate: Advanced Certificate ☼

Entry Salary: \$33-38 an hour

The use of ultrasound equipment to create images for medical interpretation and diagnosis in arterial and venous structures.

MAGNETIC RESONANCE IMAGING (MRI)

Program Length: One year; full-time

Class Time: Days and evenings

Degree/Certificate: Advanced Certificate ☼

Entry Salary: \$26.64 an hour

A Magnetic Resonance Imaging (MRI) technologist administers image scans on patients to produce quality images of designated areas of the body. They operate an MRI scanner, which takes several cross-sectional scans and combines them into one to form a 3-dimensional image that assists doctors in diagnosis and treatment of patients. This position involves direct contact with patients, including interviewing them, explaining the scanning process and positioning them on the examining table. Some MRI technologists give patients intravenous injections of gadolinium, a contrast agent that increases visibility of internal body areas.

NON-INVASIVE ELECTROCARDIOGRAPHY

Program Length: 3 semesters

Class Time: Day and evening classes and clinicals

Degree/Certificate: Certificate

Entry Salary: \$16-18 an hour

Electrocardiography (EKG) is a procedure that records the electrical activity of the heart muscle providing valuable information about heart function. The Non-Invasive Electrocardiography program educates the student with the didactic, laboratory and clinical experience in preparation for a health career as a certified non-invasive electrocardiographic technician.

☼ Two year associate degrees are required for most advanced certificates.



NUCLEAR MEDICINE

Program Length: 12 months full-time

Class Time: 40 hours per week

Degree/Certificate: Advanced Certificate 🌐

Entry Salary: \$31-39 an hour

Nuclear Medicine is the scientific and clinical discipline involving the diagnostic, therapeutic and investigative use of radionuclides. The skills of the nuclear medicine technologist are important to the nuclear medicine physician, other health professionals, and especially the patient.

Nuclear Medicine technologists attend to patient needs, abstract data from patient records, calculate doses for In Vivo and In Vitro studies, prepare and administer radiopharmaceuticals, operate scanning equipment, perform computer acquisition and analysis of patient studies, and assist the physician when using radiopharmaceuticals.

PHLEBOTOMY

Program Length: 2 to 3 semesters

Class Time: Day and evening classes, clinicals days only

Degree/Certificate: Certificate

Entry Salary: \$12-15 an hour

Phlebotomy is the procedure to withdraw blood for the purpose of laboratory testing to evaluate, diagnose and monitor treatment of patients. The Phlebotomy program educates students with didactic, laboratory and clinical experience in preparation for a health career as a certified phlebotomist.

POLYSOMNOGRAPHY

Program Length: 2 semesters

Class Time: Monday-Friday

Degree/Certificate: Certificate

Entry Salary: \$18-25 an hour

The Polysomnography certificate program prepares students for careers as a polysomnographic technologist. Polysomnographers assist sleep specialists in the assessment, testing, monitoring and care of patients with sleep disorders, including sleep apnea, restless legs syndrome, periodic limb movement disorder, REM behavior disorder, narcolepsy and insomnia. Most polysomnographers work 10- to 12-hour night shifts. This career choice should be made after careful consideration of the nature of the job and the desire and ability to work the overnight shift. Polysomnographers work in hospitals, research and sleep laboratories.





HEALTH INFORMATICS

HEALTH INFORMATION TECHNOLOGY (HIT)

Program Length: 2 years

Class Time: 100-level: afternoon and evening; 200-level: all day

Degree/Certificate: Associate in Applied Science

Entry Salary: \$17-19 an hour

Perform health record functions such as collection, analysis, coding, reporting and release of information from patient visits, encounters and admissions. This detailed work is done in accordance with state, federal and accreditation requirements while protecting patient privacy. Students who successfully complete this program will be eligible to sit for the Registered Health Information Technician (RHIT) examination given by the American Health Information Management Association.

LONG-TERM CARE ADMINISTRATION

Program Length: 1 year part-time

Class Time: As arranged

Degree/Certificate: Certificate

Entry Salary: \$43 an hour

Prepares students for administrative responsibilities in a variety of long-term care settings.

PHYSICIAN OFFICE BILLING AND CODING

Program Length: 1 year part-time

Class Time: Evenings

Degree/Certificate: Certificate

Entry Salary: \$12-15 an hour

Duties include selection of ICD-10-CM diagnosis and CPT visit/procedure codes in order to create insurance claims for physician services rendered.

THERAPEUTIC

ASSOCIATE DEGREE IN NURSING (ADN)

Program Length: 2 years

Class Time: Morning and afternoons, days and evening clinicals

Degree/Certificate: Associate in Applied Science/State Licensure

Entry Salary: \$23-34 an hour

Prepares graduates for the art and science of nursing, which is concerned with human responses to health needs or problems. Students who complete the ADN program and earn an Associate in Applied Science degree in Nursing are eligible to take the National Council Licensure Examination for Registered Nurse (NCLEX-RN). Once students pass the exam and criminal background check they are licensed to practice as a professional nurse (RN).

✪ Two year associate degrees are required for most advanced certificates.



BASIC NURSING ASSISTANT (BNA)

Program Length: 8 and 16 weeks

Class Time: Days or evenings

Degree/Certificate: Certificate plus State Certification

Entry Salary: \$10-15 an hour

Routine care, transport and treatment of sick, disabled and terminally ill patients under the direct supervision of nurses. It is a prerequisite for the nursing programs.

DENTAL HYGIENE

Program Length: 2 years full-time

Class Time: All day, 5 days a week; some evenings

Degree/Certificate: Associate in Applied Science/State Licensure

Entry Salary: \$35-40 an hour

A licensed dental hygiene professional provides preventative, therapeutic oral hygiene treatment to patients in a variety of dental settings.

EMERGENCY MEDICAL TECHNICIAN (EMT)

Program Length: 11 week summer; 16 week fall and spring full-time

Class Time: Morning, afternoon and evening

Degree/Certificate: EMT credits are electives towards Fire Science degree. EMT Certificate, NREMT certification and IDPH licensure upon successful completion of training program and certification exam.

Entry Salary: \$14 an hour

Emergency Medical Technicians (EMTs) are the backbone of Emergency Medical Services (EMS) systems in the United States. EMTs provide emergency care to the sick and injured. Some of the patients that you will encounter are in life-threatening situations, whereas others only require supportive care. Emphasis is on the development of skills and knowledge in scene size up, patient assessment, treatment and transportation.

HEARING INSTRUMENT DISPENSARY (HIDP)

Program Length: 4 semesters

Class time: Days or evenings

Degree/Certificate: Advanced certificate

Entry Salary: \$24 an hour plus bonuses

The Hearing Instrument Dispensary Program (HIDP) certificate will prepare students for a career as a hearing healthcare provider and hearing instrument specialist. This program will prepare hearing healthcare providers to administer and interpret hearing tests, select and fit hearing aids, adjust physical and electroacoustic parameters of hearing instruments and recommend assistive listening devices. Hearing instrument specialists work together with Audiologists in medical settings, private practice, clinics and retail venue in order to meet the needs of the hard of hearing community. The HIDP program certificate is designed to provide students with the didactic instruction and clinical practice in anatomy and physiology of the auditory mechanism, acoustics and hearing sciences, clinical audiometry, aural rehabilitation, professional ethics and hearing instrumentation. This program will help prepare students for the Illinois Department of Public Health Hearing Instrument Dispenser Licensing Written and Practical Exams.



PHYSICAL THERAPIST ASSISTANT (PTA)

Program Length: 2 years

Class Time: Evenings

Degree/Certificate: Associate in Applied Science

Entry Salary: \$23-30 an hour

Physical therapist assistants are licensed to practice under the supervision of licensed physical therapists. Movement is key to the quality of life for all persons. Movement affects each person's ability to participate in activities of daily living along with achieving optimal health. The physical therapy profession strives to reduce preventable health care costs and to improve the human experience through movement. Treatments include therapeutic exercise and therapeutic modalities along with gait training, bed mobility training and transfer training. Strong critical-thinking skills are required for continued assessments of patients. Strong communication skills are required for effective PT/PTA communication along with patient/caregiver communication/education. Diverse environments are available for job prospects along with potential for career advancement opportunities as a clinical instructor or as a manager/director of rehab.

PROTON THERAPY

Program Length: 1 to 3 semesters

Class Time: Online, Clinical during the day or evening

Degree/Certificate: Advanced Certificate 🌟

Entry Salary: \$35-45 an hour

The Proton Therapy Advanced Certificate program provides advancement opportunities to registered radiation therapists through a variety of instructional methods, including online instruction, simulated practical experience, as well as clinical experience. The Proton Therapy Advanced Certificate provides graduates with 16 undergraduate college credit hours.

RADIATION THERAPY

Program Length: 1 year (3 terms full-time)

Class Time: Evenings; Clinical during the day, MWF

Degree/Certificate: Advanced Certificate 🌟

Entry Salary: \$31-39 an hour

Duties of the radiation therapist may include reviewing prescription and diagnosis; acting as a liaison with the physician and supportive care personnel; preparing equipment, such as immobilization, treatment and protection devices; and maintaining records, reports and files. They may also assist in dosimetry procedures and tumor localization. Radiation therapists administer targeted doses of radiation to the patient's body to treat cancer and other diseases.

RESPIRATORY CARE

Program Length: 2 years full-time

Class Time: Days and evenings

Degree/Certificate: Associate in Applied Science

Entry Salary: \$22-27 an hour

Respiratory therapists perform evaluation and treatment for patients who have been diagnosed with cardiopulmonary disease. In addition, therapists support and manage patients who have suffered a breathing impairment resulting from stroke, heart attack and traumatic events. Therapists assist all age ranges of patients and are found in all areas of patient care. Because the critical role of maintaining a patient's airway is the RT's expertise, therapists are staffed in emergency departments, ICUs and accompany mechanically ventilated patients during transports. The program prepares you for both entry-level (CRT) and the advanced (RRT) credential. Opportunities to secure more specialized credentials in pulmonary diagnostics, neonatal and pediatrics, adult critical care and asthma education can be realized without further formal education.

MEDICAL ASSISTANT

Program Length: 3 semesters and practicum; part-time available

Class Time: Day only practicum

Degree/Certificate: Associate in Applied Science/Certificate

Entry Salary: \$15-17 an hour

Medical assistants are the only allied health professionals specifically trained to work in ambulatory care settings. They perform a wide variety of duties under the direction of a physician such as electronic medical record entry, appointment scheduling, preparing patients for exams, collecting blood specimens and performing EKGs. Employment of medical assistants is projected to grow much faster than the average for all occupations. (Bureau of Labor Statistics, U.S. Dept. of Labor)

PARAMEDIC

Program Length: 1 year full-time

Class Time: Days

Degree/Certificate: Paramedic credits towards EMS degree and Paramedic certificate, IDPH License upon successful completion of training program and licensing exam.

Entry Salary: \$26 an hour

Paramedic training is an extensive 12-month program that significantly increases the knowledge and mastery of skills. Training is completed in the classroom, clinical (hospital) and field settings. Training in advanced life support techniques and skills such as IV's, intubation, administration of pharmaceutical agents and advanced cardiac care. Applicants must be a licensed EMT in Illinois at time of application. Applicant must be accepted into an affiliated program prior to registration.



SPEECH-LANGUAGE PATHOLOGY ASSISTANT (SLPA)

Program Length: 2 years

Class Time: Evenings

Degree/Certificate: Associate in Applied Science

Entry Salary: \$24 an hour; \$35-45 an hour early intervention

Perform speech language therapy tasks related to communication services problems as prescribed, directed and supervised by certified speech language pathologists. The ultimate goals are to maximize the client's ability to (1) communicate his/her wants, needs, thoughts and feelings and (2) understand what is being said by others.

SURGICAL ASSISTANT

Program Length: 1 year

Class Time: Online program with clinical component

Degree/Certificate: Advanced Certificate

Entry Salary: \$26.44 an hour

The Surgical Assistant Certificate program will train graduates for the emerging occupation of surgical assistant. This program will properly train graduates to function as a surgical assistant, which will greatly improve operating room efficiency, physician satisfaction and most importantly, patient outcomes and care. The Surgical Assistant program provides advancement opportunities for Certified Surgical Technologist and Registered Nurses through a variety of instructional methods including online, laboratory and clinical experience.

SURGICAL TECHNOLOGY

Program Length: 1 year full-time

Class Time: Monday-Friday, days

Degree/Certificate: Associate in Applied Science (2 years); Certificate (1 year)

Entry Salary: \$17-21 an hour

Deliver patient care and perform tasks that help ensure a safe surgical environment, contributing to and supporting the operating team's efficiency, before, during and after surgery.

SUPPORT SERVICES

ANESTHESIA TECHNOLOGY

Program Length: 2 years

Class Time: Online program with clinical component

Degree/Certificate: Associate in Applied Science; Certificate

Entry Salary: \$20-24 an hour

Anesthesia technicians are integral members of the anesthesia patient care team. Their role is to assist licensed anesthesia providers in the acquisition, preparation and application of various equipment and supplies required for the delivery of anesthesia care. This may be performed in a variety of clinical settings including the operating room, interventional and diagnostic radiology, post anesthesia care unit, intensive care unit, cardiac catheterization lab, emergency department, endoscopic and dental suites, and ambulatory surgery centers.

CENTRAL PROCESSING DISTRIBUTION TECHNICIAN (CPD)

Program Length: 1 semester

Class Time: Monday-Friday, days

Degree/Certificate: Certificate option with prerequisites

Entry Salary: \$15 an hour

The Central Processing Distribution Technician (CPD) program is designed to provide the content and clinical collaboration for students to be successful and meet the standards of the Sterile Processing Distribution Technician profession. This is a one-semester certificate program that provides the student with the basic fundamentals of central processing, supplies, services and distribution of hospital instrumentation, supplies and equipment. Students who successfully complete the program will be eligible to sit for the International Association of Healthcare Central Service Material Management (IAHCSSM) National Certifying Examination.

✪ Two year associate degrees are required for most advanced certificates.



EYE CARE ASSISTANT

Program Length: 3 semesters

Class Time: Days

Degree/Certificate: Certificate

Entry Salary: \$17-18 an hour

The Eye Care Assistant certificate is designed to prepare students for entry-level positions as assistants in optometrist/ophthalmology practices. Under the supervision of a licensed eye care professional, eye care assistants render support services and aid in the treatment of eye conditions and diseases. Graduates will be prepared to sit for the certification examination administered by the Joint Commission on Allied Health Personnel in Ophthalmology (JCAHPO). The Eye Care Assistant certificate requires a minimum of 33 credits in program requirements.

OPERATING ROOM PATIENT CARE TECHNICIAN (ORPCT)

Program Length: 1 semester

Class Time: 8 weeks

Degree/Certificate: Certificate

Entry Salary: \$13-15 an hour

Students will be introduced to the operating room patient care team and discover how to assist in providing quality surgical patient care. Students will focus on the role of the operating room patient care technician team, scope of practice and specific duties of the operating room patient care technician.

✦ Two year associate degrees are required for most advanced certificates.



HEALTH SCIENCES PROGRAM ADMISSION

At College of DuPage, Health Science programs may or may not require a separate admissions process. Many also require the completion of several prerequisite courses before a student is accepted into classroom and clinical education.

BEGIN THE APPLICATION PROCESS BY VISITING:

www.cod.edu/hsadmissions

- Application deadlines
- Program prerequisites outlined for each program
- Dates and times of advising sessions

OFFICE OF ADMISSIONS AND OUTREACH

For specific questions, inquiries, or advising sessions, call (630) 942-2380.

Email: hsadmissions@cod.edu

Debbie Jeffay

Admissions Representative

(630) 942-3898

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AREAS OF STUDY

3+1 Programs: College of DuPage has partnered with prominent universities to offer high-caliber bachelor's degree programs at a greatly reduced cost. The programs are affordable, accessible, high quality, and offered on College of DuPage campus.

Enhanced 2+2: Enhanced 2+2 programs allow College of DuPage students to complete an Associate's degree, with emphasis on General Education courses plus additional credits towards a baccalaureate degree.

2+2 Articulation Agreements: 2+2 articulation agreements are signed between College of DuPage and four-year colleges and universities that allow students

to complete the first two years of a baccalaureate degree at College of DuPage.

Limited Enrollment: Limited enrollment programs require either a separate application and/or the completion of specific prerequisites before acceptance into the program. These programs have limited availability.

IAI Courses: IAI is the acronym for the Illinois Articulation Initiative. The Illinois Articulation Initiative (IAI) works best for students who know they are going to transfer but are undecided on the college or university that will grant their baccalaureate degree. IAI

is a statewide (General Education Course Curriculum (GECC) transfer agreement, which is valid among more than 100 participating colleges or universities in Illinois.

Transfer Coursework: Students can take coursework for college-level credit that may transfer to a four-year college or university (depending on the four-year institution) for courses completed at College of DuPage. Transfer coursework is articulated with at least three Illinois public institutions. Typically, students can transfer up to two years of coursework from COD toward an advanced degree (such as a Bachelor of Arts or Bachelor of Science) at another school.

All salary information is based on state average. For additional information visit the Bureau of Labor Statistics.

The College will not discriminate in its programs and activities on the basis of race, color, religion, creed, ancestry, marital status, sexual orientation, arrest record, military status or unfavorable military discharge, citizenship status, or physical or mental handicap or disability. For Americans with Disabilities Act accommodations, call (630) 942-2141 (voice) or (630) 858-9692 (TDD). For individuals who need language assistance, please contact Campus Central at (630) 942-2380. ADM-17-24265(4/16)

Visit www.cod.edu/hsadmissions or call (630) 942-2380 for current admission packets and advising sessions.



**HEALTH AND
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