www.gatewayct.edu

DIAGNOSTIC IMAGING & THERAPY PROGRAMS INFORMATION PACKET

2019-2020 Academic Year

Diagnostic Medical Sonography

Nuclear Medicine Technology

Radiation Therapy

Radiography

Rev. 7/18

Please disregard all previous versions of the Diagnostic Imaging & Therapy Information Packet

Please note: Information in this packet is subject to change. If you do not intend to apply to one of the Diagnostic Imaging & Therapy Programs for the 2019-2020 academic year, please obtain an updated packet for future years.

Introduction

Diagnostic Imaging & Therapy refers to four disciplines:

Diagnostic Medical Sonography (Associate Degree)
Nuclear Medicine Technology (Associate Degree and Certificate)
Radiation Therapy (Associate Degree)
Radiography (Associate Degree)

Diagnostic Medical Sonography

The Associate in Science degree program in Diagnostic Medical Sonography (DMS) offers the student an outstanding opportunity to acquire both the academic and technical skills necessary to perform abdominal, obstetrical, superficial, vascular and gynecological sonography procedures. Students will train with highly skilled Sonographers at leading healthcare facilities. Graduates are encouraged to apply for National Qualifying Examination for certification in Sonography with the American Registry of Radiologic Technologists (ARRT (S)) (www.arrt.org) and/or as a Registered Diagnostic Medical Sonographer (ARDMS) (www.ardms.org). The DMS program is accredited in General and Vascular concentrations by the Commission on Education of Allied Health Education Programs, 25400 US Highway 19 North, Suite 158, Clearwater, FL 33763, P:727-210-2350 F:727-210-2354, E: mail@caahep.org

A Diagnostic Medical Sonographer:

- Uses safe, painless and cost-effective techniques to image the body.
- Works with physicians to obtain optimal images that are interpreted by physicians for medical diagnosis.
- Provides information about the internal structure of organs without the use of radiation.
- Examines the architecture and blood flow within vessels.
- Maintains quality assurance on ultrasound, camera and imaging devices and other related equipment.

Nuclear Medicine Technology

The Associate in Science degree and certificate programs in Nuclear Medicine Technology offer you an outstanding education and the unique opportunity to train at some of the region's leading health care facilities. At these institutions, you will learn from skilled certified technologists on state-of-the-art equipment. The Nuclear Medicine Technology Associate in Science degree and certificate programs prepare you for employment as a Nuclear Medicine Technologist. After completing the program, graduates can apply for the certifying examination in Nuclear Medicine Technology with the American Registry of Radiologic Technologists (www.arrt.org) and/or Nuclear Medicine Technology Certification Board (www.nmtcb.org).

A Nuclear Medicine Technologist:

- Uses safe, non-invasive, and cost-effective techniques to image the body and treat disease.
- Assists physicians in the diagnosis, management, treatment and prevention of disease by administering very small amounts of radioactive materials, or radiopharmaceuticals.
- Provides information about the function and the structure of virtually every major organ system in the human body.

The Joint Review Committee on Educational Programs in Nuclear Medicine Technology accredits the program (www.jrcnmt.org).

Radiation Therapy

In the Associate in Science degree program in Radiation Therapy, students take courses from the College's general education core as well as specialized classroom, laboratory and clinical education courses taught by radiation therapists, radiation physicists, physicians, dosimetrists, and other highly qualified professionals. The Program is accredited by The Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-3182, Tel: (312) 704-5300, www.jrcert.org, mail@jcert.org

A Radiation Therapist:

- Delivers radiation treatment as prescribed by a physician for the treatment of disease, primarily cancer.
- Monitors a patient's physical condition and response to treatment.
- Designs, verifies and implements computer generated treatment plans.
- Creates opportunities for advancement into education, dosimetry, management, and sales.

Radiography

Gateway Community College's Associate in Science degree in Radiography offers you an outstanding education and the opportunity to train at Yale-New Haven Hospital, Bridgeport Hospital, and other area facilities. You will learn from skilled, registered technologists at these institutions on state-of-the-art imaging equipment. This program is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-3182, Tel: (312) 704-5300, www.jrcert.org, mail@jrcert.org

A Radiographer:

- Assists the physician in diagnostic studies by administering ionizing radiation to patients.
- Produces images necessary to visualize internal structures of the body.
- Gains opportunities for advancement to other areas including Computed Tomography (CT Scan), Magnetic Resonance Imaging (MRI), Interventional Radiology, Bone Densitometry and Mammography.

Approval and Accreditation

Diagnostic Medical Sonography
Graduates are encouraged to apply for candidacy to a National Qualifying Examination for certification in Sonography with the American Registry of Radiologic Technologists (ARRT (S)) and/or as a Registered Diagnostic Medical Sonographer (ARDMS). Commission on Education of Allied Health Education Programs, 25400 US Highway 19 North, Suite 158, Clearwater, FL 33763, P:727-210-2350 F:727-210-2354, E: mail@caahep.org

Nuclear Medicine Technology
The Joint Review Committee on Educational Programs in Nuclear Medicine Technology, 820 W. Danforth Road, #B1, Edmond, OK 73003, www.jrcnmt.org.

Radiation Therapy
The Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-3182,
Tel: (312) 704-5300, www.jrcert.org, mail@jrcert.org

Radiography
The Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-3182,
Tel: (312) 704-5300, www.jrcert.org, mail@jrcert.org

Contacts

Program	Contact Person	Contact Information
Diagnostic Medical Sonography	Cara Case Program Coordinator	(203) 285-2383 ccase@gatewayct.edu
Nuclear Medicine Technology	Ann Marie Jones Program Coordinator	(203) 285-2381 ajones@gatewayct.edu
Radiation Therapy	Gina Finn Program Coordinator	(203) 285-2392 gfinn@gatewayct.edu
Radiography	Julie Austin Program Coordinator	(203) 285-2382 jaustin@gatewayct.edu

Application Process

The application period for the Diagnostic Imaging & Therapy Programs is November 1 - February 1 of each year. The application for the Diagnostic Imaging & Therapy Programs (Diagnostic Medical Sonography, Nuclear Medicine Technology, Radiation Therapy and Radiography) is available on the College web site; www.gatewayct.edu and can only be submitted on-line.

Applicants must select a "**Program of Choice**" which is the program that the applicant would most like to attend. Applicants may only submit one application to Diagnostic Imaging and Therapy Programs. *Late applications and transcripts will not be accepted.*

All applications that are completed by the February 1, 2019 deadline will be reviewed. Applications will be reviewed AFTER the application deadline regardless of date of submission. Applicants will be notified by mail prior to May 1st as to their admission status.

All initial communication with students is to the student's community college email address. Applicants that have not activated their community college email address should go to http://www.ct.edu/netid.

Checklist for Application Process:

Students are required to submit the following by the February 1, 2019 deadline to the Admissions Office:		
Items to Complete	**How to Complete**	**Date Completed**
Submit a general GCC college application if you are not already a student.	Go to http://my.commnet.edu Click on apply for admission under "Other Resources"	
High school transcripts* or high school diploma indicating date of graduation, General Educational Development (GED) diploma, or State High School Equivalency diploma.	Contact your high school and request. Contact the issuing agency for other proof of graduation options.	
Official College/University transcripts from **ALL** colleges ever attended (*including all CT Community Colleges*), regardless of the age of the transcripts and applicability to the Diagnostic Imaging & Therapy programs.	If a CT Community College - request through Banner Self-Service (Select the College, Student Records, Transcripts, Official Transcripts, select eTranscripts). All other colleges/universities, contact that college/university and send electronically if possible. Must be FINAL transcripts to be considered complete. If transcript is from out of country, it must be evaluated by an approved agency (see p. 19) to be considered complete.	
Proof of immunizations	Consult with the Admissions Office for current immunizations required for general admission to the college.	
Students are required to submit the following on-line by the February 1, 2019 deadline:		
Gateway Community College Diagnostic Imaging & Therapy Program application.	The Diagnostic Imaging and Therapy Program application and instructions will be available on the Gateway Community College website, www.gatewayct.edu from November 1st – February 1st.	

Diagnostic Imaging and Therapy Admission Requirements

Diagnostic Medical Sonography

COURSE	GRADE REQUIREMENT	REQUIRED
ENG*101: English Composition	C or greater	by the application deadline date of February 1, 2019
BIO*211: Anatomy and Physiology I, or equivalent **Prerequisite:** BIO* 105 or BIO* 121 both with a C or better.	C or greater	by the application deadline date of February 1, 2019
BIO*212: Anatomy and Physiology II, or equivalent	C or greater	(must be completed between 12/2013 – 2/1/2019) OR can be IN PROGRESS during spring semester of application year
PHY*111 Physics for the Life Sciences or higher or equivalent	C or greater	by the application deadline date of February 1, 2019
MAT*175: College Algebra and Trigonometry **Prerequisite(s):** A grade of C or better in MAT* 137 A or sufficient score on the mathematics placement test.	C or greater	by the application deadline date of February 1, 2019
Mandatory attendance at a **Diagnostic Medical Sonography Information Session**		February 2, 2018 – February 1, 2019

Diagnostic Imaging and Therapy Admission Requirements

Nuclear Medicine Technology

COURSE	GRADE REQUIREMENT	REQUIRED
BIO*211: Anatomy and Physiology I, or equivalent **Prerequisite:** BIO* 105 or BIO* 121 both with a C or better.	C or greater	by the application deadline date of February 1, 2019
BIO*212: Anatomy and Physiology II, or equivalent	C or greater	(must be completed between 12/2013 – 2/1/2019) OR can be IN PROGRESS during spring semester of application year
ENG*101: English Composition	C or greater	Applicant must be eligible to register for ENG*101 prior to the deadline date of February 1, 2019
MAT*172: College Algebra **Prerequisite:** A grade of C or better in MAT* 137 A or sufficient score on the mathematics placement test	C or greater	Applicant must be eligible to register for MAT*172 prior to the deadline date of February 1, 2019
Mandatory attendance at a **Nuclear Medicine Technology Information Session**		February 2, 2018 – February 1, 2019

Diagnostic Imaging and Therapy Admission Requirements

Radiation Therapy

COURSE	GRADE REQUIREMENT	REQUIRED
ENG*101: English Composition	C or greater	Applicant must be eligible to register for ENG*101 prior to the deadline date of February 1, 2019
MAT*175: College Algebra and Trigonometry **Prerequisite:** A grade of C or better in MAT* 137 A or sufficient score on the mathematics placement test **OR** MAT*186 Precalculus **Prerequisite(s):** A grade of C or better in MAT* 172 or MAT* 175 or permission of instructor.	C or greater	Applicant must be eligible to register for MAT*175 prior to the deadline date of February 1, 2019
PHY*111 Physics for the Life Sciences or equivalent or higher	C or greater	by the application deadline date of February 1, 2019
BIO*211: Anatomy and Physiology I, or equivalent **Prerequisite:** BIO* 105 or BIO* 121 both with a C or better.	C or greater	by the application deadline date of February 1, 2019
BIO*212: Anatomy and Physiology II, or equivalent	C or greater	(must be completed between 12/2013 – 2/1/2019) OR can be IN PROGRESS during spring semester of application year
Mandatory attendance at a **Radiation Therapy Information Session**		February 2, 2018 – February 1, 2019

Diagnostic Imaging and Therapy Admission Requirements

Radiography

COURSE	GRADE REQUIREMENT	REQUIRED
ENG*101: English Composition	C or greater	Applicant must be eligible to register for ENG*101 prior to the deadline date of February 1, 2019
MAT*172: College Algebra **Prerequisite:** A grade of C or better in MAT* 137 A or sufficient score on the mathematics placement test	C or greater	Applicant must be eligible to register for MAT*172 prior to the deadline date of February 1, 2019
BIO*211: Anatomy and Physiology I, or equivalent **Prerequisite:** BIO* 105 or BIO* 121 both with a C or better.	C or greater	Program pre-requisite. Must be completed by the application deadline date of February 1, 2019
BIO*212: Anatomy and Physiology II, or equivalent	C or greater	(must be completed between 12/2013 – 2/1/2019) OR can be IN PROGRESS during spring semester of application year
Mandatory attendance at a **Radiography Information Session** within one year of application deadline.		February 2, 2018 – February 1, 2019

Diagnostic Imaging & Therapy GPA

The Diagnostic Imaging and Therapy GPA is based only on the college courses with grades that meet the Diagnostic Imaging & Therapy admission and Diagnostic Imaging & Therapy program curriculum requirements. The Diagnostic Imaging & Therapy GPA is a calculation specific to Gateway Community College Diagnostic Imaging & Therapy applicants and may differ from your college GPA.

- Diagnostic Imaging and Therapy GPA must be 2.7 or higher to be eligible for admission.
- If an applicant is using a course from a Fresh Start semester to meet a Diagnostic Imaging & Therapy admission or program curriculum requirement, that course will count in the calculation of the applicant's Diagnostic Imaging & Therapy GPA.
- If an applicant repeats a course, the highest eligible grade is used in calculating the Diagnostic Imaging and Therapy GPA.

Formula for Computing Ranking

Eligible applicants who meet all of the application and admission requirements are assigned a rank number. Rank numbers are computed by the following formula:

25% = BIO*211 grade
75% = Diagnostic Imaging & Therapy GPA - based only on the college courses with grades that meet the Diagnostic Imaging & Therapy admission and Diagnostic Imaging & Therapy program curriculum requirements.

Selection Process

All *eligible* applicants will be ranked using the ranking formula after the evaluation of the student file.

Each Diagnostic Imaging & Therapy Program will fill **100%** of their available seats by rank order.

Waitlist: Students who meet the eligibility requirements but are not in the rank order for acceptance will be placed on the program waitlist. Applicants on the waitlist will be ranked using their rank number.

When openings occur, applicants will be selected (in rank order) from the waitlist and offered a seat in the program. Applicants will be selected from the waitlist until the program reaches its maximum acceptance number.

The waitlist will not carry over from year to year. Applicants who are not selected from the waitlist will need to submit a new application if they want to be considered for admission to the Diagnostic Imaging & Therapy program the following year.

Programs of Study

For each Diagnostic Imaging & Therapy program, the program of study reflects a full-time curriculum plan that students enrolled in the Diagnostic Imaging & Therapy programs are required to complete for graduation. Non-Diagnostic Imaging & Therapy courses must be taken in the semester indicated in the plan of study or may be taken earlier; Diagnostic Imaging & Therapy courses must be taken in the stated sequence.

A grade of **C** is required for all co-requisite courses in the Diagnostic Imaging & Therapy plans of study for each program unless a higher grade is required for admission to the program. Co-requisite courses must be satisfactorily completed before or during the semester in which they are scheduled in the curriculum. Students who fail to complete required co-requisite courses in the published sequence, or does not achieve the grade requirement may be dismissed from the program.

The following are programs of study for the Diagnostic Medical Sonography, Nuclear Medicine Technology, Radiation Therapy and Radiography programs at Gateway Community College.

The programs of study for Nuclear Medicine Technology, Radiation Therapy and Radiography are pending approval from the Joint Review Committee on Education in Radiologic Technology.

Diagnostic Medical Sonography (Associate in Science)

Freshman Year – Summer Session

Course #	Title	Credits
DMS*100	Principles of Sonography	4
	Total Semester Credit Hours	4

Fall Semester – (Practicum at affiliates Tuesday and Thursday. On campus Lab Friday)

Course #	Title	Credits
DMS*120	Abdomen/Small Parts Sonography I	3
DMS*121	OB/GYN Sonography I	3
DMS*122	Clinical Practicum I	2
ENG*102 or ENG*200	Literature & Composition or Advanced Composition	3
	Total Semester Credit Hours	11

Freshman Year – Spring Semester – (Practicum at affiliates Tuesday and Thursday. On campus Lab Friday)

Course #	Title	Credits
DMS*123	Vascular Sonography I	3
DMS*124	Sonographic Physics & Instrumentation	4
DMS*125	Clinical Practicum II	2
PSY*111	General Psychology	3
	Total Semester Credit Hours	12

Summer Session – Clinical Internship I – (40 hrs. /week at affiliates)

Course #	Title	Credits
DMS*220	Clinical Internship I	4
	Total Semester Credit Hours	4

Sophomore Year – Fall Semester – (Practicum at affiliates Monday, Wednesday, Friday)

Course #	Title	Credits
DMS*221	Abdomen/Small Parts Sonography II	3
DMS*222	Vascular Sonography II	3
DMS*223	Clinical Practicum III	3
	Total Semester Credit Hours	9

Winter Session (Practicum at affiliates Monday through Friday 40hrs/week)

Course #	Title	Credits
DMS* 224	Clinical Internship II	1
	Total Semester Credit Hours	1

Spring Semester – (Practicum at affiliates Monday, Wednesday, Friday)

Course #	Title	Credits
DMS*225	OB/GYN Sonography II	3
DMS*226	Advanced Sonography Seminar	3
DMS*227	Clinical Practicum IV	3
	Total Semester Credit Hours	9
	Total Credit Hours	68

Nuclear Medicine Technology (Associate in Science)

Freshman Year
Fall Semester – (Practicum at affiliates Tuesday and Thursday)

Course #	Title	Credits
ENG*101	Composition	3
MAT*172	College Algebra	3
NMT*101	Introduction to Nuclear Medicine	3
NMT*102	Nuclear Medicine Procedures I	3
NMT*111	Clinical Practicum I	1
PHY*111	Physics for the Life Sciences	4
	Total Semester Credit Hours	17

Winter Intersession – (Practicum at affiliates Monday through Friday, 40 hrs. /week)

Course #	Title	Credits
NMT*113	Clinical Internship I	.5
	Total Semester Credit Hours	.5

Freshman Year – Spring Semester – (Practicum at affiliates Tuesday and Thursday)

Course #	Title	Credits
CHE*111	Concepts of Chemistry	4
NMT*112	Clinical Practicum II	1
NMT*121	Physics in Nuclear Medicine	3
NMT*201	Nuclear Medicine Procedures II	3
ENG* 102 or 200	Literature and Composition or Advanced Composition	3
	Total Semester Credit Hours	14

Summer Session – Practicum at affiliates Monday through Friday, May through August) (40 hrs. / week at affiliates)

Course #	Title	Credits
NMT*126	Clinical Internship II	3
	Total Semester Credit Hours	3

Sophomore Year – Fall Semester (Practicum at affiliates Monday, Wednesday and Friday)

Course #	Title	Credits
NMT*211	Clinical Practicum III	2
NMT*202	Nuclear Medicine Instrumentation	3
NMT*203	Radiopharmacy	3
RST*200	Cross Sectional Anatomy	3
PSY*111	General Psychology	3
	Total Semester Credit Hours	14

Winter Intersession – (Practicum at affiliates Monday through Friday 40hrs. /week)

Course #	Title	Credits
NMT*216	Clinical Internship III	.5
	Total Semester Credit Hours	.5

Sophomore Year – Spring Semester (Practicum at affiliates Monday, Wednesday and Friday)

Course #	Title	Credits
NMT*212	Clinical Practicum IV	2
NMT*221	Nuclear Medicine Procedures III	3
NMT*222	Introduction to Computers and Nuclear Medicine Appls.	3
NMT*223	Nuclear Medicine Seminar	3
	Total Semester Credit Hours	11
	Total Credit Hours	60

Total Clinical Practicum at the affiliates, (includes Clinical Internships I, II, and III), is approximately 1,800 hours.

Nuclear Medicine Technology (Certificate)

Certificate program applicants must possess all of the following prerequisites as well as the Admission Requirements listed on pages 5 and 6 of this packet.

- An associate degree in one of the following modalities:
  - Radiography
  - Radiation Therapy
  - Diagnostic Medical Sonography

The following policy may apply to applicants who do not possess an associate degree:

Gateway Community College will grant credit to those applicants who are graduates of a two-year accredited hospital (certificate) based program and hold certification by the American Registry of Radiologic Technologists. Certification areas include: Radiography, Nuclear Medicine and Radiation Therapy. (Please refer to the GCC catalog and the ARRTS Program)

- Current and active credentials by one of the following certifying boards:
  - American Registry of Radiologic Technologists – Radiography (RTR)
  - American Registry of Radiologic Technologists – Radiation Therapy (RTT)
  - American Registry of Diagnostic Medical Sonographers (RDMS)

- The applicant must have completed the following courses with a "C" or better in their A.S. Degree program to be eligible for the NMT Certificate Program:
  - Concepts of Chemistry (CHE *111)
  - College Algebra (MAT*172)
  - Physics for the Life Sciences (PHY*111)
  - Two courses in Human Anatomy and Physiology with lab
  - Medical Terminology content
  - Two courses in Written Communications
  - Social Science elective

Nuclear Medicine Technology (Certificate)

Freshman Year - Fall Semester – (Practicum at affiliates Tuesday and Thursday)

Course #	Title	Credits
NMT*102	Nuclear Medicine Procedures I	3
NMT*111	Clinical Practicum I	1
	Total Semester Credit Hours	4

Freshman Year – Spring Semester – (Practicum at affiliates Tuesday and Thursday)

Course #	Title	Credits
NMT*112	Clinical Practicum II	1
NMT*121	Physics in Nuclear Medicine	3
NMT*201	Nuclear Medicine Procedures II	3
	Total Semester Credit Hours	7

Summer Session – Practicum at affiliates Monday through Friday, May through August) (40 hrs. / week at affiliates)

Course #	Title	Credits
NMT*126	Clinical Internship II	3
	Total Semester Credit Hours	3

Sophomore Year – Fall Semester (Practicum at affiliates Monday, Wednesday and Friday)

Course #	Title	Credits
NMT*202	Nuclear Medicine Instrumentation	3
NMT*203	Radiopharmacy	3
NMT*211	Clinical Practicum III	2
RST*200	Cross Sectional Anatomy	3
	Total Semester Credit Hours	11

Winter Intersession – (Practicum at affiliates Monday through Friday 40hrs. /week)

Course #	Title	Credits
NMT*216	Clinical Internship III	.5
	Total Semester Credit Hours	.5

Sophomore Year – Spring Semester (Practicum at affiliates Monday, Wednesday and Friday)

Course #	Title	Credits
NMT*212	Clinical Practicum IV	2
NMT*221	Nuclear Medicine Procedures III	3
NMT*222	Introduction to Computers and Nuclear Medicine Appls.	3
NMT*223	Nuclear Medicine Seminar	3
	Total Semester Credit Hours	11
	Total Credit Hours	36.5

Radiation Therapy (Associate in Science)

Freshman Year
Fall Semester (Practicum at affiliates Tuesday and Thursday)

Course #	Title	Credits
ENG*101	Composition	3
MAT*175 or 186	College Algebra and Trigonometry OR Pre-calculus	3 or 4
RDT*101	Introduction to Radiation Therapy	3
RDT*111	Clinical Practicum I	1
RST*200	Cross Sectional Anatomy	3
	Total Semester Credit Hours	13 or 14

Winter Intersession – (40 hrs. /week at clinical affiliates)

Course #	Title	Credits
RDT*113	Clinical Internship I	1
	Total Semester Credit Hours	1

Freshman Year – Spring Semester – (Practicum at affiliates Tuesday and Thursday)

Course #	Title	Credits
PSY*111	General Psychology I	3
ENG*200	Advanced Composition	3
RDT*102	Radiation Therapy II	3
RDT*112	Clinical Practicum II	1
RST*213	Radiation Physics	3
	Total Semester Credit Hours	13

Summer Session – Practicum at affiliates Monday through Friday, May through August) (40 hrs. / week at affiliates)

Course #	Title	Credits
RDT*126	Clinical Internship II	3
	Total Semester Credit Hours	3

Sophomore Year – Fall Semester (Practicum at affiliates Monday, Wednesday and Friday)

Course #	Title	Credits
RDT*201	Radiation Oncology	3
RDT*202	Radiation Therapy III	3
RDT*205	Dosimetry and Computer Asst. Treatment Planning	3
RDT*211	Clinical Practicum III	2
	Total Semester Credit Hours	11

Winter Intersession – (40 hrs. /week at clinical affiliates Monday through Friday)

Course #	Title	Credits
RDT*218	Clinical Internship III	1
	Total Semester Credit Hours	1

Sophomore Year – Spring Semester (Practicum at affiliates Monday, Wednesday and Friday)

Course #	Title	Credits
RDT*203	Radiation Oncology II	3
RDT*204	Radiation Therapy IV	3
RDT*212	Clinical Practicum IV	2
RDT*222	Radiobiology and Protection	3
RDT*223	Radiation Physics	3
RDT*224	Radiation Therapy Senior Seminar	2
	Total Semester Credit Hours	16
	Total Credit Hours	58/59

Total Clinical Practicum at the affiliates, (includes Clinical Internships I, II, and III), is approximately 2,000 hours.

Radiography (Associate in Science)

Freshman Year - Fall Semester (Clinical practicum held Tuesdays and Thursdays)

Course #	Title	Credits
ENG*101	Composition	3
MAT*172	College Algebra	3
RAD*104	Introduction to Radiography	3
RAD*105	Radiographic Anatomy and Procedures I	3
RAD*193	Clinical Practicum I	2
	Total Semester Credit Hours	14

Winter Intersession – (Clinical practicum held Monday - Friday)

Course #	Title	Credits
RAD*187	Clinical Internship I	.5
	Total Semester Credit Hours	.5

Freshman Year – Spring Semester – (Clinical Practicum held Tuesdays and Thursdays)

Course #	Title	Credits
ENG*102 or 200	Composition and Literature OR Advanced Comp	3
RAD*194	Clinical Practicum II	2
RAD*204	Radiographic Anatomy and Procedures II	3
RAD*116	Physics in Radiography	3
	Total Semester Credit Hours	11

Summer Session – (Clinical Practicum held Monday – Friday)

Course #	Title	Credits
RAD*188	Clinical Internship II	4
	Total Semester Credit Hours	4

Sophomore Year – Fall Semester (Clinical Practicum held Mondays, Wednesdays and Fridays)

Course #	Title	Credits
PSY*111	General Psychology I	3
RAD*196	Radiographic Anatomy and Procedures III	3
RAD*215	Radiographic Pathology	3
RAD*203	Principles of Radiographic Exposure	3
RAD*222	Radiobiology and Protection	3
RAD*291	Clinical Practicum III	3
	Total Semester Credit Hours	18

Winter Intersession – (Clinical Practicum held Monday - Friday)

Course #	Title	Credits
RAD*286	Clinical Internship III	.5
	Total Semester Credit Hours	.5

Sophomore Year – Spring Semester (Clinical Practicum held Mondays, Wednesdays and Fridays)

Course #	Title	Credits
RAD*205	Computers in Medical Imaging: Adv. Practice	3
RAD*206	Quality Assurance	3
RAD*218	Senior Seminar	3
RAD*292	Clinical Practicum IV	3
	Total Semester Credit Hours	12
	Total Credit Hours	60

Transfer Credits

Twenty-five percent (25%) of the total credits applicable to the Diagnostic Imaging & Therapy degree must be granted by the college awarding the degree. No more than thirty credit hours of non-traditional credit may count towards the Diagnostic Imaging & Therapy degree. Non-traditional credit includes CLEP, DSST, Challenge Exams, Military Service Schools, and Assessment of Prior Learning.

In accordance with transfer of credit guidelines set forth by the Board of Regents, general education courses that are part of the plan of study will be accepted by Gateway Community College. Once an applicant earns credit**,** transfer credit for the same course from another college will not be granted.

Credits Earned Outside the United States – Transcripts need to be evaluated by the "Course By Course" option through the World Education Services Inc, PO Box 745, Old Chelsea Station, New York, New York 10113 or another approved site and submitted to the **Gateway Community College Admissions Office.**

Transfer Grades

Courses from colleges not regionally accredited will not be accepted in transfer.

A minimum grade of C is required unless otherwise noted by the admission requirements.

A grade of C+ will be determined when the college does not use plus (+) and minus (-) by having the student be responsible for providing the proof that the grade is a C+. A numerical grade of 77-79 will be considered a C+.

Miscellaneous Information for Accepted Diagnostic Imaging & Therapy Students

- Accepted Diagnostic Imaging & Therapy Program students are required to participate in a mandatory Patient Care Orientation (PCO), which is scheduled during the summer months before the first semester of the program. In order to continue in their designated Diagnostic Imaging & Therapy Program, each student is required to successfully complete PCO with an overall course average of 75 or higher. *Acceptance will be revoked if a student fails to attend* ***any*** *of the orientation sessions during the summer*

- Students applying for the Nuclear Medicine Technology Certificate Program must submit a copy of current national registration and state license in Radiography, Radiation Therapy or Diagnostic Medical Sonography. Students must also submit an official transcript and diploma from the College that the Associate degree was granted to document successful completion with a grade of C or better the following courses: CHE*111 (Concepts of Chemistry), MAT*172 (College Algebra), PHY*111(Physics for the Life Sciences), two courses in human anatomy and physiology with lab, medical terminology content, two courses in written communications, and social science course or a transferable equivalent for any of the courses.
- Accepted Diagnostic Medical Sonography students are required to complete DMS 101: Principles of Sonography during the summer 2019 session. Acceptance will be revoked if a student fails to successfully complete the course with a grade of C or higher.

- Students who are accepted into one of the Diagnostic Imaging & Therapy Programs will be required to travel to <u>ANY/ALL</u> of the clinical sites that are affiliated with that Program. The rotation assignments are subject to change. GCC reserves the right to affiliate with additional clinical sites at any time.

- Students are responsible for arranging their own transportation to and from assigned clinical sites. Assignment of clinical sites is at the discretion of the program faculty. Clinical sites could be within an hour and a half (1 ½) radius of the College, and may require a mandatory parking fee.

- Accepted students are also required to attend various hospital orientations throughout the months of June, July and August prior to the first semester of the program. Students will be informed of the orientation dates during the General Program Orientation Sessions. *Acceptance will be revoked if a student fails to attend any of the orientation sessions during the summer months.*

TECHNICAL STANDARDS

The Diagnostic Imaging & Therapy student must be able to apply the knowledge and skills necessary to function in a broad variety of clinical situations. Technical standards reflect reasonable performance expectations of the Diagnostic Imaging & Therapy student for the performance of common functions. These requirements address capabilities in the areas of motor, sensory, communication, behavior and critical thinking abilities. The **technical standards** can be found at www.gatewayct.edu.

HEALTH REQUIREMENTS

Immunization Requirements- students will receive a packet of information describing current college policies.

Health Assessment Form - completed forms (which document specific requirements for the Diagnostic Imaging & Therapy programs) must be on file in accordance with college policy.

BASIC LIFE SUPPORT (BLS) CERTIFICATION

Students are required to provide documentation of current professional level certification in Basic Life Support for adult, child, and infant. Certification can only be earned through the American Heart Association or the American Red Cross and must remain current throughout the Program. Courses meeting this requirement are: The American Heart Association Basic Life Support (BLS) for Healthcare Providers **OR** The American Red Cross Basic Life Support for Healthcare Providers. Failure to comply will result in exclusion from the clinical learning experience.

CRIMINAL BACKGROUND CHECKS, TOXICOLOGY SCREENING & HEALTHCARE PROFESSIONAL/PRACTICE/LICENSURE OR REGISTRY RESTRICTIONS

Due to clinical learning affiliate requirements, criminal background checks and toxicology (drug) screening may be required for all Diagnostic Imaging and Therapy students prior to participation in clinical experiences. Students must follow instructions for obtaining a background and/or toxicology screening at college of attendance. Students who are found guilty of having committed a felony/misdemeanor and/or are found to have a positive toxicology screen may be prevented from participating in clinical experiences in accordance with clinical learning facility policy. Results of student background checks and toxicology screening do not become a part of the student's educational record, as defined by the Family Educational Rights and Privacy Act ("FERPA"). If a student cannot participate in a clinical rotation at an assigned facility, the student will not be able to complete the objectives of the course and of the program.

ELIGIBILITY FOR CERTIFICATION

In accordance with ARRT's "Equation for Excellence," candidates for ARRT certification must meet basic requirements in the three components of the equation:

1. Ethics
2. Education
3. Examination

Ethics

Every candidate for certification and every applicant for renewal of registration must, according to the governing documents, "be a person of good moral character and must not have engaged in conduct that is consistent with the ARRT Rules of Ethics, "and they must agree to comply with the *ARRT Rules and Regulations* and the *ARRT Standards of Ethics*." ARRT investigates all potential violations in order to determine eligibility.

Issues addressed by the Rules of Ethics include convictions, criminal procedures, or military court martials as described below:

- Felony
- Misdemeanor
- Criminal procedure resulting in a plea of guilty or nolo contendere (no contest), a verdict of guilty, withheld or deferred adjudication, suspended or stay of sentence, or pre-trial diversion.

Juvenile convictions processed in juvenile court and minor traffic citations not involving drugs or alcohol DO NOT need to be reported.

Additionally, candidates for certification are required to disclose any honor code violations that may have occurred while attending school.

Further specific information may be found on the ARRT website and in the handbooks for each discipline.

Education

Eligibility for certification also specifies the satisfaction of educational preparation requirements.

For the primary pathway to certification, eligibility requires the successful completion of the respective discipline's formal educational program that is accredited by a mechanism acceptable to ARRT. Candidates must also demonstrate competency in didactic coursework and an ARRT – specified list of clinical procedures.

For post-primary pathway to certification, candidates must hold registration in a supporting category and document ARRT – specified clinical experience. Further details may be found in the handbooks available for each of the post primary certification disciplines.

Examination

Finally, eligibility requires candidates for certification, after having met all other qualifications, to pass an examination developed and administered by the ARRT. The exams assess the knowledge and cognitive skills underlying the intelligent performance of the tasks typically required of staff technologists practicing within the respective disciplines. Exam content is specified on the ARRT website and in the respective handbook for each discipline.

Go to www.arrt.org for detailed information.

For more information on the ARDMS Pre-application Determination of Eligibility for ARDMS Certification: Criminal Matters please visit:
http://www.ardms.org/ARDMS%20Documents/Compliance%20Documents/Pre-application%20Criminal%20ARDMS.pdf#search=criminal%20matters

Nondiscrimination Policy

The Community College system of the state of Connecticut will not discriminate against any person on the grounds of race, color, religious creed, sex, gender identity or expression, age, national origin, ancestry, present or past history of mental disability, genetic information, marital status, mental retardation, sexual orientation, learning disability, or physical disability, including, but not limited to, blindness, or prior conviction of a crime, unless the provisions of sections 46a-60(b), 46a-80(b), or 46a-81(b) of the Connecticut General Statutes are controlling or there is a bona fide occupational qualification excluding persons in one of the above protected groups. With respect to the foregoing, discrimination on the basis of sex shall include sexual harassment as defined in section 46a-60(8) of the Connecticut General Statutes. Although it is recognized that there are bona fide occupational qualifications which provide for exception from employment prohibitions, it is understood these exceptions are to be applied pursuant to section 46a-68-33 of the administrative regulations.

Further, the system will not discriminate against any person on the grounds of political beliefs or veteran status.

The following individuals have been designated to handle inquiries regarding the non-discrimination policies at Gateway Community College as the ***Title IX and Section 504/ADA Coordinator(s)*.**

Jennifer Wenderoth-Holster, Gender Equity Coordinator
(203)285-2412
jwenderoth@gatewayct.edu
The mission of the Gender Equity Center is to coordinate on-campus sexual violence prevention programming, and to provide students with resources and referrals in response to Sexual Violence, including sexual assault, sexual harassment, stalking, and intimate partner violence.

- *Confidential Consultation*
- *Confidential Crisis Response*
- *Prevention Programming*

Ron Chomicz, Student Accessibility Services
Section 504/ADA Coordinator
(203)285-2234
rchomicz@gatewayct.edu
The Americans with Disabilities Act (ADA) prohibits discrimination against qualified individuals with disabilities on the basis of their disability. The ADA provides, in part, that "no qualified individual with a disability shall, by reason of such disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of a public entity, or be subjected to discrimination by any such entity."

Wilson Luna, Dean of Students & Title IX Coordinator
(20)285-2210
wluna@gatewayct.edu
Gateway Community College works to ensure compliance with Title IX, which is a federal law that prohibits discrimination based on the sex (gender) of employees and students of educational institutions that receive federal financial assistance.