

# CAREER OPPORTUNITIES IN HEALTH CARE AT VWCC

## RADIATION ONCOLOGY

Associate in Applied Science

Joint Venture with Northern Virginia Community College

**2022**

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Fralin Center for Science and Health Professions at VWCC

Deadline March 15 for Fall Program

(Notes below)

Virginia Western Community College has an Associate in Applied Science Degree in Radiation Oncology.

Pam Woody processes academic files for students applying to Dental Hygiene, Nursing, Radiography and Radiation Oncology, Practical Nursing, Medical Lab Technician, Physical Therapist Assistant, Surgical Technology (fall 2022) and Phlebotomy. All academic files to one of these Health Professions programs will be processed in the Health Professions Information Office at Virginia Western Community College. Our office is located in the Fralin Center for Science and Health Professions which is on the Virginia Western Community College campus in Roanoke, Virginia. The room number is 339 and Pam Woody is typically in the office from Monday through Friday from 8:00-4:00..

The Radiation Oncology Program is a five-semester program and we accept one time a year and classes will begin in the Fall of each year which is usually in the mid to later part of August.

Let me begin by saying we do not have a waiting list for this program. We go through an acceptance process each year to consider all applicants that have made application---in this instance from May after March deadline through the application deadline of March 15 the following year.

This presentation will discuss the Admissions Criteria and Process, the prerequisites for the program, the Radiation Oncology Curriculum, a typical schedule for the first semester, if accepted, estimated cost of the program and some Admissions Statistics.

Let me mention the Joint Venture Site of Northern Virginia at the Medical Education Campus. We accept at NVCC and VWCC each Fall and the application process is the same for each site. All application materials come to the Health Profession Information Office at VWCC.

If you are inquiring about the profession or classes (not the application process) you may contact the Program Director, Ms. Conner at 540-857-6104.

For information regarding the application process and verification of complete academic file, prior to receiving the advising letter, you may contact Ms. Yolanda Brown and for assistance with career choices and course selections, you may contact Ms. Rhonda Perdue.

# PROFESSIONAL EDUCATION

- Academically Challenging
- Science and Math orientation
- Classroom and Clinical components
- Skills application
- Clients as partners in health/wellness

The Radiation Oncology program is academically challenging in regards to it is a very intense program.

It does have a strong math and science orientation as studies have shown if students are successful in Math and Science they should be successful in a Health Technology program. That is one reason we have the math and science prerequisites for our program and that science and math is the basis for our courses.

The program does consist of classroom and clinical components. At VWCC, we have an on-campus lab with a linear accelerator to help facilitate learning and students also go into the clinical sites. Some of the clinical sites we use include the Carilion Cancer Center, Lewis-Gale, Pulaski, Allan B. Pearson in Lynchburg, and Hospital in Martinsville. Some of the local sites are used for the Joint Venture Site at NOVA which can include Fairfax, Gainesville, Winchester, Loudoun, Reston, Potomac, and Alexandria and the new clinical site for either program is Harrisonburg.

# RADIATION ONCOLOGY ADMISSION CRITERIA

Required:

- High School Diploma/GED
- One unit of Algebra I, Algebra II, and Geometry at “C” level or above- completed by end of **Spring prior to fall admission**
- One lab science (Biology, Chemistry, Physics-recommended) at “C” level or above-completed by end the end of **Spring prior to fall admission** (Lab science courses must contain lab component as part of course) - completed by end of **Spring prior to fall admission**

For high school grades for prerequisites—if grades are on semester and one semester you make a “B” and the second semester you make a “D”—you will need to repeat this course at VWCC or another Community College. Both semester grades need to be a “C” or above unless number averages are included.

One lab science—HS Biology and College Biology is acceptable---Chemistry can help with the Radiography Physics you encounter in second year of program. Please note that at VWCC, a recent Biology (within the last three years) is required prior to enrolling in BIO 141. (A challenge exam is available and more details are on the next slide.)

## RADIATION ONCOLOGY ADMISSION CRITERIA

- College level **BIO 141** (Anatomy and Physiology I, **MTH 161-Pre-Calculus**, **HLT141**-Introduction to Medical Terminology, and two credit **SDV 101-Orientation** to Health Professions-completed by end of **Spring prior to fall admission**
- High School/College GPA 2.5 or above by end of **Fall prior to spring deadline**. (If using college GPA must have at least 12 credit hours of college credit in 12 month time-frame to use GPA.)

BIO 141-completed within five years of beginning the program. Pre-requisites at VWCC include a recent Biology, BIO 101 within the last three years with a final grade of “C” or higher or completion of NAS 2 within the last three years (this is a course that helps prepare you for BIO 141) or you may complete the challenge exam to try and place into BIO 141. The challenge exam scores are good for three years as well. The test is completed at the Testing Center and the score is delivered to your school email account within a week. Must complete the challenge at 75% or higher to be allowed to enroll in BIO 141. You must also be ready for ENG 111.

MTH 161-pre-requisites include math units 1-9. and MTH 161 must be completed within the last five years of beginning of the program.

HLT 141-one credit.

SDV 101-two credits—Orientation to Health Professions, which is designated with a “P” on the course listing. Please note that if you have obtained a Bachelor’s Degree (in the United States or provided documentation from an organization that indicates the equivalent of such in your country), we can waive the two credits of SDV 101 and award the two credits of SDV based on completion of the Bachelor’s Degree (or Associate Degree).

GPA is calculated at end of Fall because the Admissions Committee meets prior to the end of Spring semester. College GPA must be based on at least 12 credit hours of college credit in 12 month timeframe.

We look at academic history from HS to most recent---emphasis is placed on the most recent academic accomplishments.

## RADIATION ONCOLOGY ADMISSION PROCEDURE-con't

- Apply to VWCC by completing VWCC application on-line and submit to VWCC and indicate your program of study as Career Studies Certificate (CSC): Introduction to Radiation Oncology on the Admission Application.
- Apply to Joint Venture site (NVCC) by completing their Admission application and submitting to their Admissions Office. Joint Venture applicants must also complete application for VWCC.
- Apply to Radiation Oncology Program-complete the one page (front and back) program application

Complete the VWCC application and indicate you are interested in CSC: Introduction to Radiation Oncology. This helps us “track” the students. This also allows for the Admissions Office to “match” transcripts that may arrive at the Admissions Office with your academic file. Joint Venture applicants also must apply to VWCC and this needs to be the first step in the application process.

Complete the Radiation Oncology application and return to Pam Woody at VWCC.

# RADIATION ONCOLOGY ADMISSION PROCEDURE

- Submit official transcripts from HS/GED and **all** colleges attempted- to Health Professions Information Office—needs to arrive in one envelope. (Exception: VCCS transcripts are not required, we can access information on system.) Mail official transcripts to VWCC, Attn: Pam Woody, 3091 Colonial Ave. SW, Roanoke, VA 24015.
- Advising letter mailed or scanned to student email usually within three-five weeks of completed academic file (except during registration periods and time frame preceding a HP program deadlines)
- Meet with Information Specialist to discuss concerns or questions after receipt of advising letter, if questions

It is YOUR responsibility to request and determine if your file is complete by the deadline—We need OFFICIAL transcripts from ALL colleges attended/attempted (except other Virginia Community Colleges)—we also need HS—even if have advanced degree and we'll need HS if attended thru 9<sup>th</sup> grade and completed GED— all items must arrive by the application deadline of **March 15**.

It is important that the information is addressed to the Health Professions Information Office (not the Admissions Office as this delays the process) ACADEMIC-transcripts only—You may use the address of VWCC, Attn. Pam Woody, 3091 Colonial Ave SW, Roanoke, VA 24015

Once evaluated, applicants are sent an “advising letter” informing you about prerequisites and career support classes. **VERY IMPORTANT—IF YOU HAVE NOT RECEIVED THIS LETTER-YOU WILL NOT BE CONSIDERED**—usually there is a three-six week turn around time from receipt of complete academic file to process your file and complete the Advising letter. Please be aware that during high volume times such as registration and deadlines will delay the processing of your file as well as during May to July when new student orientations are occurring during that time period. Deadlines range from Feb-April for all HT programs and you can expect delays then as well.

Deadline is March 15—no exceptions!

It is in your best interest to **apply early** so we can advise course selection for Spring semester and etc. Even if you lack some of the prerequisites, we update your record in January to reflect courses completed in Fall and your cumulative GPA at the end of Fall and which courses you are enrolled in for Spring ---If you apply from May after March 1 deadline through December prior to spring deadline and you are currently enrolled in a non-Virginia Community College—you will need to provide us updated transcripts reflecting your final grades in the Fall semester—this updated transcript must arrive by March 15.

For those ineligible to continue in the process you will receive a letter in late March that will indicate why you are ineligible. Reasons may include missing items like updated college transcripts, or missing pre-requisites, or cumulative GPA is below the 2.5 or missing letters of recommendation.



## ROC ADMISSION PROCEDURES (con't)

- Submit two professional letters of recommendation from employers or professors
- Submit copy of professional licensure or certification, if applicable

The next step in the process will be for you to include two letters of recommendation. These can be from employers or professors and they can come directly to the Health Professions Information Office. If you would like, you may have the letters mailed to you and do not open them and forward them to the HPIO. Then you will know that you have submitted both of them to the application deadline.

Part of the application process also includes for you to submit a copy of your health care license or certification. Applicants who are RTs must be certified by a nationally recognized Radiologic Science credentialing agency. Other health care providers who are graduates of programs recognized by national accrediting agencies and other individuals meeting admissions criteria will also be considered for admissions.

## ROC ADMISSION PROCEDURES (con't)

- DEADLINE FOR SUBMISSION OF MATERIAL IS **MARCH 15**

In Spring:

- Interview with Program Director or Faculty Members

The application deadline of all applicant materials is **March 15** prior to fall admission.

During the Spring semester, we will also begin to schedule interviews with the Program Director or faculty members. This typically occurs in April and applicants are notified in May of their status regarding their fall program.

During the interview, the faculty are trying to determine if you have the people skills and temperament that is required to work with oncology patients. They also want to make sure that you understand what your duties will involve and if you have a good understanding of the profession.

## RADIATION ONCOLOGY STUDENT RESPONSIBILITIES DURING APPLICATION PROCESS

- Notify Health Careers Advisor for Health Professions any changes in addresses, names, and phone number after application. This must be done in writing in a note that includes Student ID if known (healthprofessions@virginiawestern.edu).
- Review the Essential Functions of the Radiation Oncology available from the Radiation Oncology Faculty and on the Radiation Oncology website
- Contact the ARRT American Registry of Radiologic Technologist if you have a felony or misdemeanor conviction as you may be ineligible to take the licensing examination.

Anytime you move or change your name during the application process, you need to inform the Health Professions Information Office. We use a separate database than the college and if you inform Admissions, we will not know of the changes and we need to maintain contact with you in regards to the next step in the application process. /We will need changes in writing with an identification number such as your student id and if your name changes, we will also need a copy of your marriage license or your driver's license that reflects the name change.

You need to review the Essential Functions which are available from the Program Director or located on the Radiation Oncology website to make sure that you are able to perform these functions or if we can make reasonable accommodations for any disability.

If you have been convicted of a Felony or misdemeanor, you need to contact the number for the American Registry of Radiologic Technologist as you may be ineligible to set for the registry. In addition, you may not pass the background & urine drug screening that is required of all HP students in relation to our contract with our clinical sites. If you do not receive a clear criminal background check or negative drug screening the clinical sites may not allow you to go for clinical and therefore, you will be unable to fulfill your clinical requirements

## RADIATION ONCOLOGY STUDENT RESPONSIBILITIES-if accepted

- Attend Radiation Oncology Orientation which could be first day of Fall semester
- Admission contingent upon receipt of satisfactory medical examination, CPR certification, clear criminal background check and negative drug screening
- Maintain a “C” average in “ROC” courses and support (non ROC prefix) courses
- Computer access to Internet service for classes.

Your Admission is contingent upon satisfactory receipt of medical examination, the required CPR certification, clear criminal background check and negative urine drug screening. The forms and the amounts of the above and other cost associated with the beginning of the program will be mailed in the orientation packet that is mailed once we have selected our class and they have accepted their positions, which is usually in late May or June. CPR is generally provided by VWCC—need to wait to obtain CPR as a specific type is required—you will be notified in your orientation packet the type that is required and the offerings that VWCC will be having during the summer prior to the beginning of the Fall semester. In addition, information will be given with the orientation package on steps to complete the necessary medical information and background information and etc.

In addition, your responsibilities include maintaining at least a “C” average in all of your Oncology courses as well as support classes such as PHI 220, ENG 111 etc.

Students must also have access to the Internet to be able to have classes delivered to their home computer.

## RADIATION ONCOLOGY STUDENT RESPONSIBILITIES-if accepted

- Be prepared to attend classes/clinical on day or evening
- Purchase lab supplies, uniforms, and accessories as directed
- Provide transportation to and from agencies
- Access computer internet service

Clinical times are usually 8:00-4:30 on Tuesday and Thursday during the second semester.

Monday and Friday 8:00-4:30 during the third semester, M,W and F 8:00-4:30 for the 4<sup>th</sup> and 5<sup>th</sup> semesters. Classes meet on non-clinical days. Some classes are delivered to your computer at home. These times are tentative and could change every fall.

Your orientation packet will include information in regards to the supplies, uniforms, and monies that are required to begin the program.

Of course providing transportation to and from the college or our clinical sites are your responsibility.

Clinical locations rotate every month.

## CREDENTIALS FOR PRACTICE AS A REGISTERED RADIATION THERAPIST (RT-T)

- Graduate of an accredited program (VWCC's Radiation Oncology program is accredited by Joint Review Committee on Education in Radiologic Technology.)
- Successful completion of the National Registry Examination
- Many states require separate state licensure
- Completion of 24 hours of continuing education over a two year period.

## PRE-PREREQUISITE COURSES-ROC

ENF 1 or ENF 2 or ENF 3- English testing may be required for all new students unless waived by High School GPA within the last five years. A New Student Advisor can assist in determination of needed placement. Please check with Advising Specialist at other colleges to determine the testing required and classes that can be completed to fulfill any deficiencies. Upon completion of the examination, we can determine course sequence.

Depending on your academic history it may be necessary for you to take a placement evaluation at the campus you are planning on completing courses. When we review your academic file, we can determine if you need to take the Placement Evaluations. The internal placement evaluation,, will determine your writing and mathematical abilities. This evaluation and the required courses must be completed prior to registering for a college level English class or any class that requires reading or an upper level of math. VWCC applicants will need to work with New Student Advisor for determination of results. Sometimes it is necessary to complete the English sequence of a non-credit English to assist you with some skills needed for success in higher level courses.

Readiness for ENG 111 is required before BIO 101/NAS 2, PSY 200 and other courses requiring writing and reading skills. For instance, if you need to register for ENF 3 and ENG 111 and plan to complete BIO 101, you will need to either be enrolled in the ENF 3 and ENG 111 as well as BIO 101 or complete the sequence of ENF 3 and ENG 111 prior to enrolling.

## PREREQUISITE COURSES-ROC

- Algebra I & Algebra II (units 1-9 at a Virginia Community College). Successful testing or completion of units 1-5 is required prior to registering for either BIO 101/NAS 2 or CHM 5 at VWCC.
- ONE LAB SCIENCE courses-Must contain lab component to meet pre-requisite for example:

### BIO 101-(4 credits)-Biology-(must have lab component).

Must be eligible for ENG 111/ENF 3 and be co-enrolled or previously completed prior to enrolling in BIO 101/NAS 2. Must complete or test out of math units 1-5 for Biology/NAS 2 enrollment. (ENF 1 or 2 enrollment will prevent enrollment in BIO 101/NAS 2).

**CHM 5-(4 credits)-Chemistry-(must have lab component—will need to complete math VPT prior to registering for CHM 5 at VWCC if have not completed Algebra I (math units 1-5) with grade of C or higher or grade of “S” within the last three years). Must abide by placement results regarding math prior to registering for CHM 5. Units 1-5 are required to register for CHM 5 at VWCC.**

### Physics-college requires Pre-Calculus as pre-requisite

Note-above courses can be completed in High School with a grade of “C” or better. Must be completed by end of **Spring Semester prior to fall admission.**

For the math requirement at VWCC, if you need Algebra I, Algebra II or Chemistry and you have not completed the required courses within the last three years, you will need to be tested to evaluate where your math skills are at this point in time. The equivalent of Algebra I and II is successful completion of math units 1-9. Units 1-5 are required prior to completing BIO 101 or CHM 5.

These prerequisite courses can be fulfilled in High School with a final grade of “C” or higher or completed at a community college or another college or universities with a grade of S or C or higher.

Some prerequisite courses can be fulfilled in High School with a final grade of “C” or higher or taken at a community college or another college or universities with a final grade of C or higher.

Algebra I & Algebra II are units 1-9 and units 1-5 are required before registering for Biology 101 or Chemistry 5 and units 1-5 are required prior to enrolling in Biology 101. You may need to complete the internal placement and place out of math units 1-9 if it has been several years since you have completed a math course. (The internal placement may also be required prior to registration for MTH 161).



One lab sciences can be Biology from High School and college level BIO 101. Can also be fulfilled by completing Biology 101 from college. The sciences must be from Biology, Chemistry or Physics and contain lab components. Ecology and consumer Chemistry are two courses that can NOT be used to fulfill the requirement

Biology must have a lab component and can be completed in HS with grade of “C” or higher or can be completed at college by completing BIO 101 at a college. Remember it must have a lab component.

Chemistry 5 is required to fulfill the prerequisite—the chemistry must have a lab—some of the other colleges may offer another chemistry that can be used to fulfill the requirements and you will need to check with the Counseling office at that institution to make sure that you meet the prerequisites for the class. For VWCC, you will need to place out of math units 1-5 to take CHM 5 because of the math skills needed to successfully pass this course.

If you take math units 1-9 , and/or Chemistry 5 you will receive a grade of “S” for satisfaction, or “U” for unsatisfactory or “R” for repeat. Your grade must be an “S” in order to fulfill these requirements.

You are encouraged to complete a General Physics course as the background in this course can assist with understanding in the program.

Most lab science courses will take two nights a week to complete because of the lecture and the lab components.

Must have lab components for the two lab science courses.

## PREREQUISITE COURSES- ROC

- College level:
    - BIO 141 (Anatomy and Physiology I)
    - MTH 161-Pre-Calculus
    - HLT141-Introduction to Medical Terminology
    - SDV 101-Orientation to Health Professions-  
(two credits)
- All pre-requisite courses completed by end of  
**Spring prior to fall admission**

BIO 141-completed within five years of beginning the program. Pre-requisites at VWCC include a recent Biology, BIO 101 within the last three years with a final grade of “C” or higher or completion of NAS 2 within the last three years (this is a course that helps prepare you for BIO 141) or you may complete the challenge exam to try and place into BIO 141. The challenge exam scores are good for three years as well. The test is completed at the Testing Center and the score is delivered to your school email account within a week. Must complete the challenge at 75% or higher to be allowed to enroll in BIO 141. You must also be ready for ENG 111.

MTH 161-pre-requisites include math units 1-9. and MTH 161 must be completed within the last five years of beginning of the program.

HLT 141-one credit.

SDV 101-two credits—Orientation to Health Professions, which is designated with a “P” on the course listing. Please note that if you have obtained a Bachelor’s Degree (in the United States or provided documentation from an organization that indicates the equivalent of such in your country), we can waive the two credits of SDV 101 and award the two credits of SDV based on completion of the Bachelor’s Degree (or Associate Degree).

## PREREQUISITE COURSES-ROC

- Prerequisite courses need to be completed by the end of Spring prior to fall admission to qualify for fall Radiation Oncology Program
- GPA must also be equal to or above a 2.5 by end of Fall prior to spring deadline (if using college GPA, must be based on at least 12 credit hours of college credit within 12 month time-frame.)
- Courses listed on previous slide (with exception of BIO 101 or Physics) will NOT count towards your GPA

Prerequisite courses (Algebra I, Algebra II, Geometry,--math units 1-9-- one lab science course like Biology and Chemistry, college level BIO 141, MTh 161, HLT 141, SDV 101) must be completed by the end of spring prior to fall admission to qualify for the fall program. It is best to complete your prerequisites as early as possible---but the latest you have to complete them is Spring prior to fall admission. If you are accepted into the program lacking one of the prerequisites, your acceptance is contingent upon successful completion of the missing prerequisite by the end of spring semester.

Your cumulative GPA must be equal to or above a 2.5 by the end of Fall prior to spring deadline—if you have completed at least 12 credit hours of college credit. We will use the last place that you have attended and completed at least 12 credit hours of college credit and we will proceed in reverse chronological order. Don't forget that we will use the cumulative GPA from one Institution

## CAREER SUPPORT CLASS INFORMATION-ROC

- Career support classes may be completed prior to entering the Radiation Oncology Program.
- Career support classes are classes in the curriculum without the “ROC” prefix in the class.
- Completion of classes does not guarantee a position in the program.

In addition to the pre-requisites there are career support classes that can be completed prior to entering the Radiography program.

Career support classes are classes within the curriculum that do not have the “ROC” prefix. This would include courses for instance like, ENG composition, PHI 220-Ethics, PSY 200/230 or SOC 200/215, . The support classes are listed on a later slide.

You are encouraged to complete some of the support classes prior to entering the program but it is not mandatory that you do so. Most of the applicants have completed some, if not all of the support classes. However, keep in mind that completion of the support classes do not guarantee you Admission into the program. If you will be Spring **High School graduate** or someone that has not completed any of the support classes, if accepted, you will take the courses as the curriculum is designed. The curriculum will be shown in a few slides

## ROC CURRICULUM

Fall-1 <sup>st</sup> year	Spring	Summer
BIO 142	ENG 111	ROC 132
HLT 105	PSY 230 or (PSY 200 or SOC 200)	
<b>ROC 110</b>	<b>ROC 120</b>	
<b>ROC 115</b>	<b>ROC 131</b>	
<b>ROC 125</b>	<b>ROC 145</b>	
<b>ROC 142</b>	<b>ROC 151</b>	
Fall 2 <sup>nd</sup> year		Spring
<b>ROC 121</b>	<b>ROC 231</b>	<b>ROC 232</b> <b>ROC 243</b>
<b>ROC 141</b>	<b>ROC 242</b>	<b>ROC 241</b> <b>ROC 244</b>
<b>PHI 220</b>		

BIO 142- (4 credits)

HLT105-one credit

ROC 110-INTRO TO RADIATION ONCOLOGY (2 credits)

ROC 115-Therapeutic Radiation Safety 2 credit

ROC 125-Pre-Clinical Techniques (2 credits)

ROC 142-Patient Care in Oncology (2 credit)

### **Spring-**

ENG 111-English Composition (3 credits)

PSY 230 or PSY 200 or SOC 200

ROC 120 RADIATION ONCOLOGY/PATHOLOGY I (3 credits)

ROC 131-CLINICAL CLERKSHIP I (4 credits)

ROC 145-QUALITY ASSURANCE (2 credits)

ROC 151-Cross-sectional Anatomy (2 credits)

### **SUMMER**

ROC 132-CLINICAL CLERKSHIP II- 5 cr

**FALL**

ROC 121-RADIATION ONCOLOGY/PATHOLOGY II (3 credits)

ROC 141 THERAPY PHYSICS I (2 credits)

ROC 231- CLINICAL CLERKSHIP III (5 credits)

ROC 242-CLINICAL RADIOBIOLOGY (2 credits)

PHI 220-(3 credits)

**SPRING**

ROC 232-CLINICAL CLERKSHIP IV (5 credits)

ROC 241-THERAPY PHYSICS II (2 credits)

ROC 243-DOSIMETRY-(2 credits)

ROC 244-PROFESSIONAL SEMINAR (3 credits)

In addition to the pre-requisites there are career support classes that can be completed prior to entering the Radiography program.

Career support classes are classes within the curriculum that do not have the “ROC” prefix. This would include courses for instance ENG composition, PHI 220, PSY 200/230 or SOC 200, HLT 105 and –provided you have complete the pre-req. for this course. The support classes are listed on a later slide.

You are encouraged to complete some of the support classes prior to entering the program but it is not mandatory that you do so. Most of the applicants have completed some, if not all of the support classes. However, keep in mind that completion of the support classes do not guarantee you Admission into the program. If you will be 2020 High School graduate or someone that has not completed any of the support classes, if accepted, you will take the coursed as the curriculum is designed. The curriculum will be shown in a few slides

# ROC CLASSES

## FALL

- **ROC 110-INTRO TO RADIATION ONCOLOGY**
- **ROC 115-THERAPEUTIC RADIATION SAFETY**
- **ROC 125 - PRECLINICAL TECHNIQUES**
- **ROC 142-PATIENT CARE IN ONCOLOGY**

## SPRING

- **ROC 120 RADIATION ONCOLOGY/PATHOLOGY I**
- **ROC 131-CLINICAL CLERKSHIP I**
- **ROC 145-QUALITY ASSURANCE**
- **ROC 151-CROSS SECTIONAL ANATOMY**

Courses are delivered through a variety of methods:

Canvas-distance learning

Collaborate-web based lecture where the student signs on at home and experiences the class “real-time”

Compressed video-VWCC transmits several courses to NoVA via compressed video

Classroom-student is in face to face environment

For information regarding course content, please contact Ms. Conner, Program Director for ROC at 540-857-6104

The clinic components are in each of the locations such as the oncology sites in and around Roanoke and in Northern Virginia, the clinical sites would be located in and around NOVA. Please see earlier slide in regards to clinical locations.

# ROC CLASSES

## SUMMER:

- **ROC 132-CLINICAL CLERKSHIP II**

## FALL:

- **ROC 121-RADIATION ONCOLOGY/PATHOLOGY II**
- **ROC 141-THERAPY PHYSICS I**
- **ROC 231-CLINICAL CLERKSHIP III**
- **ROC 242-CLINICAL RADIOBIOLOGY**

## SPRING:

- **ROC 232-CLINICAL CLERKSHIP IV**
- **ROC 241-THERAPY PHYSICS II**
- **ROC 243-DOSIMETRY Planning**
- **ROC 244-PROFESSIONAL SEMINAR**



## SUPPORT CLASSES

- BIO 142 ANATOMY AND PHYSIOLOGY II
- ENG 111-English Composition
- HLT 105-CPR-one credit
- PHI 220-Ethics
- PSY 200/230 or SOC 200

Above support classes need to be completed with a grade of “C” or higher

BIO 142-Anatomy and Physiology II—must be completed with in the last five years of beginning the program

ENG 111—sometimes listed at ENG 101/102 at other institutions—will transfer in as 111 and 112---provided the course covered composition ---is offered on campus and Distance Learning.

HLT 105-CPR-1 credit can be obtain by completing HLT 105 and this will allow you to be certified in Health Care Provider CPR. If you are certified in the required CPR, we will be able to use a copy of your CPR card to equate to this one credit course.

PHI 220-Ethics

PSY 200/230 or SOC 200

Support classes must be completed with a final grade of “C” or higher to fulfill the course requirement.

## TYPICAL SCHEDULE First Semester

- Tuesday classes and no clinical-
- Outside work hours may need to be limited due to the program demands

This is a typical schedule of the first semester of the Radiation Oncology program. You will have classes on Tuesday and you will typically not have a clinical component the first semester. Once again classes and clinical times can vary, but this will give you some idea of when the classes are typically offered.

If you are accepted in the Fall program, you will receive your fall schedule at orientation which is held at the beginning of the Fall semester.

It is recommended that if you are accepted into the program, that you do plan to limit your work hours because of the demands of the curriculum.

The clinical component for the Spring semester will potentially be Tuesday and Thursday during the semester

## PROCESS TIME-LINE OF APPLICATION

- Apply by March 15 with complete file {VWCC application, ROC program application, GED/HS official transcripts, official college transcripts (except VCCS transcripts)} including two letters of recommendation
- **Once academic file is complete** -should receive an ADVISING letter from Health Careers Advisor
- Will be contacted in April for interview
- Wait for acceptance/alternate/denial status in program-usually in mid to late May

The process of application---once again the deadline is March 15 and all items must be at VWCC on or before that date.

The process includes completing a VWCC application—this includes the NOVA applicants as well, and indicating pre-ROC on your program of interest. Joint Venture site application at NOVA is required. Also, need to complete the program application, official High School transcripts, a copy of your GED scores, if applicable. Remember if you obtained a GED and completed at least through 9<sup>th</sup> grade of High School, we will need both the GED scores and an official HS transcript. We also need official HS transcripts if you have obtained advanced degrees. We need official transcripts from all colleges attempted, except VWCC and other Va Community Colleges. It is best for the above to arrive in one envelope to the HTIO. The two letters of recommendation may be sent separately but must arrive by the application deadline of March 15.

We do encourage you to **apply early** to the program, not because priority is given—because none is given for early application—but it allows us a chance to review your academic file and offer course suggestions.

Once your academic file is complete, you'll receive the Advising letter that I have previously mentioned. The Advising Letter will verify your pre-requisites, your

cumulative GPA at point of application, and college courses, if applicable, that can be utilized in the ROC curriculum. If you've applied from May after March 15 deadline-December prior to spring deadline---we will update your records in February in regards to courses completed in the Fall semester and what your cumulative GPA is after the Fall semester and what courses you are currently enrolled in for the Spring semester. If your GPA is above a 2.5 and you have completed or are currently enrolled in any missing prerequisites for Spring, we'll send you a letter regarding the next step in the process. If your GPA is below 2.5 or you are missing prerequisites for Spring, or we are missing your letters of recommendation, we'll send you a letter in January informing you of your ineligibility to be considered for the program and indicate the reasons why.

If you applied between May (year before consideration) and January prior to fall admission, we will need updated your college transcripts if you have been attending a non-VCCS. Once your academic file is updated, you should receive a letter usually in April, regarding the next step in the process. This would be the interview with the Program Director or faculty members, on the VWCC campus—the NOVA applicants are generally interviewed at the NOVA site. These interviews usually take place in late April and May. The interview letter will be mailed after completion of the VPT math evaluation or equivalent.

After everyone who is eligible has completed the last two steps, the Admissions Committee will meet to select the students coming into the program. You will receive a letter informing you of our status into the program—typically in May.

## PROCESS TIME-LINE OF APPLICATION

- If accepted, return acceptance form to confirm your class position for fall
- If on alternate list, return alternate acceptance form
- Will receive orientation packet after VWCC receives the acceptance forms-packet will include the following information regarding: medical form to be completed, CPR information, uniform ordering information, how and where to obtain background check/urine drug screening and etc. Sometimes the orientation can be loaded into a Canvas shell for incoming students

If you are accepted into the program, you'll need to return the acceptance forms to HPIO. If you are placed on the alternate list, you'll need to return the alternate acceptance form. If someone we've accepted into the program, declines their position, then we go to the prioritize alternate list and offer the next person a seat in the upcoming class.

If you are accepted into the program, usually at the end of the May, you'll receive the orientation packet. The orientation packet will include your medical form that must be completed, information regarding how to obtain your criminal background check, the appropriate type of CPR required and information regarding fees due at orientation and where to obtain your uniforms and etc.

## ESTIMATED COST OF ROC PROGRAM

Tuition based on 72 credit hours at \$178.49 per credit hour for in-state students (\$12,851.28-you are encouraged to check the VWCC website for updated tuition rates.)

Books (For Radiation Oncology only)-\$700.00

Program Fees-\$240.00

Physical/CPR/Hepatitis B/Background check-\$675.00

Uniforms-\$300.00

## Radiation Oncology Statistics

- We will admit 10 into the program for each Fall at each site (Roanoke and NVCC)
- Based on strength of prerequisite grades, cumulative GPA, Interview with Program Director/Faculty members, and letters of recommendation
- Priority given to those with 3.0 or higher cumulative GPA, strongest academic record, highest results of interview, and those that have healthcare credentials (licensure/certification)
- For 2021: we interviewed 15 for VW and 23 at NoVA
- For 2020 we interviewed 15 at VWCC & 10 at NoVA
- For 2019, we interviewed ~ 24 for VW & 10 at NoVA

We admit ten students into the program for fall at each site. The admittance is based on the strength of your pre-requisite grades which include Algebra I and II, Geometry, math units 1-9, and two lab science and college level BIO 141, HLT 141, MTH 161, SDV 101. It includes your cumulative GPA and the interview with the program director or faculty members and the two letters of recommendation. We also look at your math scores and if you have any previous health care experience. Each of the above items is ranked and the top ten to twelve students are offered a position into our class at each site (VW and NoVA)

## REQUIREMENTS FOR REAPPLICATION

Submit application for next fall program—increase academics/professional knowledge to be more competitive

Go through application process again—interview with Program Director/Faculty members, submit two new letters of recommendation

Submit updated transcripts after each semester (non-VWCC students or VCCS students) and send to my attention at the VWCC address.

Note additional pre-requisite requirements for Fall 2020, if any.

If you have applied to the fall program and you were not accepted, you are encouraged to reapply to the following fall program. To do this you would need to submit a new Oncology program application, we would not need transcripts that you have already submitted, except for updated one if applicable. You would also need to submit a new application for fall program and you could increase your chances by strengthening your academics and knowledge of the profession, if you felt that was an area that was lacking and increasing your math skills if you felt they were lacking as well. You will need to submit two new letters of recommendation—they can be from the same people—but often in one year, duties and responsibilities change and we would like to be aware of this additional information. You will repeat the application process, of going through the interview with the Program Director or faculty members for the following year.



## Informational Material

- You may access the following website for Application materials including the Application, Transcript Request Form and other information regarding the application process including Questions and Answers about the program:

<https://www.viriniawestern.edu/academics/health-professions/radiation-oncology/>

Email questions/concerns/feedback to [healthprofessions@viriniawestern.edu](mailto:healthprofessions@viriniawestern.edu).

Our information packet, includes the information previously mentioned, questions and answers about our program, the transcript request form, and other information can be accessed at this website, if you are unable to access this information or to download this information, you are welcome to contact our office and we will be happy to mail out an informational packet

If you would like to provide feedback regarding this presentation, please contact me using the email address listed here.

We hope this information has been helpful and we are looking forward to working with you soon.