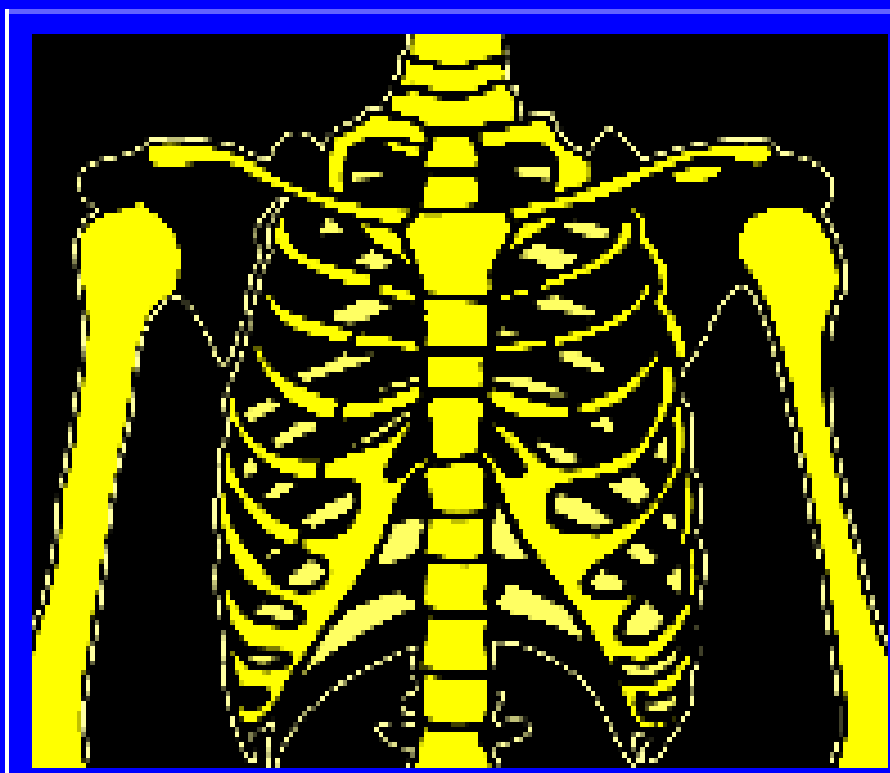


Radiography 2012*



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*Subject to change; for additional information, see www.cvcc.edu/health_services

A word about criminal background checks for health programs...

SOME FACILITIES WILL REQUIRE STUDENTS TO UNDERGO CRIMINAL BACKGROUND CHECKS AND/OR DRUG TESTING; STUDENTS MAY BE REQUIRED TO PAY THE FEES ASSOCIATED WITH THESE SCREENINGS.

CLINICAL FACILITIES MAY REFUSE ACCESS TO CLINICAL EXPERIENCES BASED ON THE CRIMINAL BACKGROUND CHECKS AND/OR DRUG TESTING, WHICH WOULD RESULT IN THE STUDENT BEING UNABLE TO CONTINUE IN THE PROGRAM.

Catawba Valley Community College
Radiography Program – Fall Semester 2012
(Admission criteria outlined in this packet are subject to change.)

We are glad you have chosen CVCC to further your educational goals. This packet provides you with information to assist you with the admissions process for the Radiography program. **Please review all information in the packet.** If you have questions regarding any of the information provided, please contact Bruce James, Radiography Program Director at 828-327-7000, ext. 4132 or at bjames@cvcc.edu, or Caroline Farmer, Director of Health Services Admissions, at 828/327-7000, ext. 4218, or cfarmer@cvcc.edu.

MISSION STATEMENT

The mission of the Radiography Program is to prepare individuals to function in the professional medical community as entry-level radiographers certified by the American Registry of Radiologic Technologists. This five semester, Associate in Applied Science program will offer opportunities for students to acquire the necessary knowledge, skills and attitudes required to use radiation to produce images of the various organs and systems and to provide safe, effective patient care.

VISION STATEMENT

The vision of the Radiography Program is to strive for excellence through continuous improvement providing students with marketable skills and learning opportunities that promote critical thinking and problem-solving.

PROGRAM GOALS

Goal 1: Students will be clinically competent.

Learning Outcomes: Students will apply positioning skills.
Students will select technical factors.
Students will provide basic patient care and comfort.
Students will utilize radiation protection.

Goal 2: Students will demonstrate communication skills.

Learning Outcomes: Students will demonstrate written communication skills.
Students will demonstrate oral communication skills.

Goal 3: Students will develop critical thinking skills.

Learning Outcomes: Students will adapt standard procedures for non-routine patients.
Students will critique images to determine diagnostic quality.

Goal 4: Students will model professionalism.

Learning Outcomes: Students will demonstrate work ethics.
Students will summarize the value of life-long learning.

Catawba Valley Community College
Radiography Program – Fall Semester 2012
General Information

What is a radiographer? Radiographers use radiation to produce images of the human body.

What employment opportunities are available? Radiographers work in hospitals, clinics, physicians' offices, medical laboratories, government agencies and industry. Starting salaries range from \$34,000 to \$38,000 per year. For general information related to the profession of radiography, refer to the Bureau of Labor Statistics provided by the U.S. Bureau of Labor at <http://www.bls.gov/oco/ocos105.htm>.

What is the class schedule/length for the Radiography program? Radiography classes are held during the day with two second shift clinical rotations during the second year. Students will begin their studies in the classroom and the laboratory and will participate in clinical experiences in hospitals and/or other medical facilities. * The Radiography program consists of five semesters, which take two years to complete. Graduates of the program are eligible to apply to take the American Registry of Radiologic Technologists' national examination for certification and registration as medical radiographers. **Applicants must complete the general education/related coursework for the Radiography program prior to the application deadline.** Please note that completion of these courses does not shorten your program length as the actual Radiography courses take two years (five semesters) to complete.

***Criminal background Check:** Please note that many clinical facilities now require students to undergo criminal background checks and drug testing. Students will be responsible for the cost of these checks and tests (\$85.00). Anyone excluded from clinical facilities as a result of positive background checks or drug testing will not be re-assigned to another facility, whether or not that facility requires a background check or drug test. A student excluded from clinical facilities will not be able to complete all clinical requirements of the program and must withdraw from the program. In addition, the American Registry of Radiologic Technologists requires disclosure of any conviction, felony or misdemeanor, on the registry application. At the sole discretion of the Registry, convictions may disqualify the student from the registry examination. Applicants with a felony or misdemeanor conviction should file a pre-application with the American Registry of Radiologic Technologists to determine registry eligibility prior to enrolling in the program.

Clinical Rotations: Radiography students will be required to complete clinical rotations which may require them to travel as much as one hour from campus. All students will also be required to complete a two (2) week rotation during the late afternoon/early evening hours (3:30 - 10 p.m.) during their clinical education in the fourth and fifth semesters of the program.

Admission: The Radiography program begins in the Fall Semester. Admission to the program is based upon completion of all minimum requirements as listed on the attached "Minimum Requirements" sheet by the specified deadline date, the number of vacancies in the program, and the competitive selection process. To begin the admissions process, complete the CVCC Application for Admission and visit with a counselor in Student Services by the specified deadline date.

Costs: College tuition is set by the North Carolina State Legislature and is subject to change. Radiography students are required to purchase a variety of books, class uniforms, malpractice insurance, accident insurance, and other fees as set by the College. The approximate cost for the program is \$4,000 - \$5,000. (This figure is based upon in-state tuition rates and reflects an approximate cost only.) Other costs: physical exam, vaccines, and updated CPR certification.

Financial Aid: All applicants are encouraged to apply for financial aid by completing the Free Application for Federal Student Aid (FAFSA). For information about financial aid, contact the Financial Aid Office at 828-327-7000, extension 4860, or view the CVCC Financial Aid web page at <http://www.cvcc.edu/Admissions/Financial Aid/>.

Computer Access: Coursework requires ready access to a reliable computer with Word, PowerPoint and Excel. Upon application to CVCC, students are assigned a CVCC email address. It is the responsibility of the student to open his/her email account and read it frequently as the College provides crucial program information through this email account. **You may be notified via your CVCC email account concerning your status in the program.**

RADIOGRAPHY

Fall Semester 2012 -- Minimum Requirements

These minimum requirements must be met prior to being considered for competitive selection for Radiography.

Applicants must complete ALL the following requirements by January 31, 2012 to be considered for admission for Fall Semester 2012.
(Admission criteria outlined in this packet are subject to change.)

1. Applicants must complete the CVCC application for admission; the application must be processed in Student Services at CVCC. **Applications completed on-line only will NOT be processed until the applicant comes in and meets with a Student Services counselor prior to the requirements deadline stated above.**
2. Applicants must be a high school graduate or have received a GED. An official high school transcript showing graduation date or an official copy of the GED scores **must be received by CVCC. To be considered official, transcript/GED score reports must be received by the College in a sealed envelope or they will not be accepted.** The high school transcript requirement is waived if the applicant has graduated from a regionally accredited two-year or four-year college.
3. Applicants must provide official transcripts from all previously attended colleges. **To be considered official, transcripts must be received by the College in a sealed envelope or they will not be accepted.** Grades less than C are not transferable. Transcripts will not be evaluated for transfer credit until **all** transcripts are received in Student Records.
4. **Applicants who do not meet testing exemptions must take the required Reading, Writing, and Math placement tests.** Applicants who are required to test must either place out of or complete the following courses with a grade of "C" or better to be considered for the Radiography program: RED 070, 080, 090 – ENG 070, 080, 090/090A – MAT 050, 060, 070.
5. Applicants must complete a college level math course equivalent to MAT 140 or higher at CVCC or another college with a minimum grade of C (**An official transcript must be provided to verify course**).
6. **Applicants must complete the general education/related coursework for the Radiography program prior to the application deadline.** These courses include: ENG 111; ENG 112/113/or 114 ;BIO 168; BIO 169; PSY 150; and a Humanities/Fine Arts Elective
There can be no course grade lower than a "C" for these courses. **Please visit the Advising Center at CVCC for course planning.**
7. Applicants who have taken coursework at CVCC or are currently enrolled in coursework at CVCC must have a minimum cumulative (overall) grade point average of 2.00 on all CVCC coursework.
8. Applicants must take the PSB Examination for Health Occupations and must achieve a **minimum 30th %ile score** on each of the following areas on the exam: Academic Aptitude, Reading Comprehension and Information in the Natural Sciences. The **non-refundable** fee for this exam is \$20. (Fee is subject to change.)
Please see the attached PSB Exam information sheet for directions on scheduling this exam. Scores must be received by CVCC no later than the specified deadline date listed above. Scores prior to January 2009 will not be considered.
9. All applicants must attend a Radiography Information Session. *Attendance at an information session is mandatory to meet minimum requirements to be considered for admission to the Radiography Program.* The 2012 information sessions will be held in December 2011, and January 2012. Please check the School of Health Services/Radiography web page for exact dates and locations.

All test scores, transcripts, Radiography Information Session, etc. must be received by CVCC no later than the specified deadline date. Completion of the admission requirements is not a guarantee of acceptance. Admission is based on completion of all minimum requirements by the deadline date, the number of vacancies in the program, and the competitive selection process. **Applicants will be notified of acceptance by May 2012. Applicants not admitted for Fall 2012 must see a counselor in Student Services to re-apply if they wish to be considered for a future year. CVCC does NOT use waiting lists for any health program. Health program applicants must re-apply for each year they wish to be considered for admission.**

Applicants seeking readmission or transfer/AP credits for Radiography classes should contact Bruce James, Radiography Program Director, at 828-327-7000, Ext. 4132 or bjames@cvcc.edu.

Competitive Selection for Radiography

The following process will be used to select the best qualified applicants out of those who completed all minimum admission requirements by the specified deadline date.

Each applicant will be evaluated using the criteria listed below. The points an applicant receives from each of these criteria will be added together. Those applicants receiving the highest number of points will be admitted to the program until the class is filled. **The Radiography program expects to accept ten (10) students depending on availability of clinical space.**

Criterion 1: Past Academic Performance

- a) Assignment of points for the required general education courses completed from the Radiography curriculum.

Criterion 2: PSB Exam

- a) All students must take the PSB Exam for Health Occupations
- b) An applicant may take the Health Occupations PSB Exam once per **academic** year. (For applicants who have tested more than once, the higher score will be used.) Scores prior to Jan. 2009 will not be considered.
- c) The applicant must achieve a **minimum 30th %ile score** on each of the following areas of the exam: Academic Aptitude, Reading Comprehension, and Information in the Natural Sciences.

Optional Bonus Points: Health Care Experience (Applicants may use **ONE** of these for extra points)

- 1) Proof of current certification or licensure in another health care profession
- 2) Documented volunteer activities in an in-patient health care facility (Min. 6 mos. FT/equiv. Since 1/1/09.)
- 3) Documented patient care experience in a health care facility (Min. 6 mos. FT/equiv. Since 1/1/09.)

AFTER initial acceptance, but prior to the first day of class, applicants must:

- 1) Attend an orientation session as scheduled by the Radiography Program Director
- 2) Submit a completed health examination form certifying that they are able to participate in the activities of a health profession in a clinical setting.

For additional information, contact Bruce James, Radiography Program Director, at 828/327-7000, Ext. 4132, or bjames@cvcc.edu, or Caroline Farmer, Director of Health Services Admissions, at extension 4218.

Applicants are responsible for completing admission requirements, making sure all materials have been received by the College, and for informing the College of any changes in personal information, such as name or mailing address. Personal information changes require photo identification and must be made in person at Student Records.

Mail Applications and Transcripts to:

Catawba Valley Community College
Student Records/Allied Health Admissions
2550 Highway 70 SE
Hickory, NC 28602

Radiography Selection Tally Sheet

*This tally sheet is provided for informational purposes only and is subject to change.
The official tally sheet used for calculation will determine points used in selecting the class.*

Applicant Name _____

Criterion 1: General Education Courses

Total Gen Ed Points Awarded: _____

Required General Education Course/Point Assignment

Gen Ed Points

BIO 168 Anatomy & Physiology I

A = 28 B = 20 C = 16

BIO 169 Anatomy & Physiology II

A = 28 B = 20 C = 16

ENG 111 Expository Writing

A = 18 B = 12 C = 9

ENG 112 or 113 or 114

A = 18 B = 12 C = 9

PSY 150 General Psychology

A = 18 B = 12 C = 9

Humanities/Fine Arts Elective

A = 9 B = 6 C = 3

Criterion 2: Assignment of Points for PSB Exam

Total Points Awarded: _____

PSB Area

PSB Points

Academic Aptitude _____ %ile X 0.4= _____

Reading Compreh. _____ %ile X 0.4= _____

Natural Sciences _____ %ile X 0.4= _____

Optional Bonus Points - Related Exp.

Total Points Awarded: _____

Type of Exp. (May use only ONE)

Bonus Points

Current Certification = 4

Previous Patient Care Exp. = 4 (since 1/1/09)

Volunteer Activities = 2 (since 1/1/09)

Criterion 1 Points:_____ + Criterion 2 Points:_____ + Bonus Points:_____ = Total Points:_____

(Maximum 119 Points) (Maximum 118.8 Points) (Maximum 4 Points) (Maximum 241.8 Points)

RADIOGRAPHY - - PSB Exam Information

The PSB (Psychological Services Bureau) Exam is specifically designed for those students entering education programs for health professions. The PSB Exam is comprised of a series of tests that measure abilities, knowledge, and aptitudes, considered important for successful performance of students in a health program. CVCC offers two forms of the PSB Exam. **Radiography applicants take the PSB for Health Occupations.** Applicants applying for more than one medical program may be required to take another type of exam or have their PSB exam re-normed for that program. The PSB is a timed examination, which carries a ***non-refundable fee of \$20.*** (Fee is subject to change.)

Following is the series of tests which comprise the PSB Exam:

Academic Aptitude – Verbal, Arithmetic, Non-Verbal

Reading Comprehension

Information in the Natural Sciences

• Spelling • Vocational Adjustment Index

• *(scores achieved in these areas are not used in the selective admissions process)*

Scores achieved in the three areas listed above, will be used for consideration for the Radiography program. The Applicant **must achieve a minimum 30th %ile score on each of these areas** (Academic Aptitude, Reading Comprehension and Information in the Natural Sciences). Points assigned based upon PSB results are just one of the criteria used for admission into the program. (Results are not pass/fail.)

- **Students testing at CVCC must take the PSB Exam by Jan. 31, 2012.**
- **Students testing at other schools are responsible for making sure the official PSB score report is received by CVCC no later than the specified deadline date. Those students should schedule their tests early enough to allow for 2-4 weeks processing time by PSB.**
- **Scores prior to January 31, 2009 will not be considered**
- **PSB scores are valid for three (3) years; however, a hard copy of PSB scores can only be reproduced for up to one year. If a hard copy cannot be obtained, you will need to re-take the PSB Test.**

To take the PSB Exam: The PSB test is given **by appointment only** during the month of January. Contact the Testing Center to schedule an appointment.

- Pay the \$20 fee in the CVCC Business Office. (The Business Office will provide a receipt of payment.)
- Take the receipt of payment with you to the CVCC Testing Center when you go to take the test. (You will not be allowed to test without the receipt of payment.)

If you have taken the PSB for Health Occupations, for a different medical program, you may be able to have your scores re-normed for Radiography instead of taking the test again. If your scores are over three (3) months old, you must re-test. The charge for having the score re-normed is \$20.00, which you pay in the Business Office.

Want more information on the PSB?

For additional information and sample questions go to: www.psbtests.com

The Business Office is located directly across from the Administrative Area in the main building. Normal operating hours for the Business Office are 8 a.m. to 5 p.m. Monday through Friday.

The Testing Center is located next door to Student Services.

Normal operating hours for the Testing Center are 8 a.m. to 5 p.m. Monday through Friday.

Radiography Technical Standards

The following activities are examples of the kind of activities which a student in the Radiography program will be required to perform in order to successfully complete the program.

1. **Critical Thinking:** The radiography student should possess critical thinking ability sufficient for clinical judgment. For example: Make judgments concerning modification of radiographic procedures and/or technical factors to accommodate patient age and/or condition.
2. **Interpersonal Skills:** The radiography student shall possess interpersonal abilities sufficient to interact with individuals, families, groups, etc. from a variety of social, emotional, cultural, and intellectual backgrounds. For example: student shall establish rapport with clients/patients and health care team members.
3. **Communication Skills:** The radiography student shall possess communication abilities sufficient for interaction with others in verbal and written form. For example: explain procedures, document and interpret technical actions and patient/client responses.
4. **Mobility:** The radiography student shall possess physical abilities sufficient to move from room to room, maneuver in small spaces, and lift, move, and push heavy patients and equipment.
5. **Motor Skills:** The radiography student shall possess gross and fine motor abilities sufficient to provide safe and effective radiographic practice. For example: calibrate and use equipment, position patients/clients.
6. **Hearing:** The radiography student shall possess auditory ability, sufficient to monitor and assess health needs. For example: hear alarms, emergency signals, auscultatory sounds, and cries for help.
7. **Visual:** The radiography student shall possess visual ability sufficient for observation and assessment necessary for patient care. For example: observe patient/client responses, assess patient.
8. **Tactile:** The radiography student shall possess tactile ability sufficient for physical assessment and the handling of small objects. For example: operate locks and controls on radiographic equipment.
9. **Weight-Bearing:** The radiography student shall possess ability to lift and manipulate/move 45-50 pounds, weekly and sometimes daily. For example: position patients/clients, move equipment.
10. **Cognitive Abilities:** The radiography student shall possess ability to be oriented to time, place and person and organize responsibilities, make decisions. For example: determine sequence of radiographic projections to allow for maximum patient comfort and minimum patient movement when multiple radiographic examinations are ordered on the same patient.
11. **Occupational Exposures:** The radiography student may be exposed to radiation, communicable diseases and/or body fluids, toxic substances, medicinal preparations, and latex. Students shall use appropriate precautions at all times. For example: student may be assigned a client/patient with a communicable disease and shall provide care using universal precautions.

Please note: Examples are not all inclusive.

Radiography Additional Program Costs

General Fees	Estimated Cost
Supplies	\$100.00 - \$125.00
Malpractice Insurance	\$ 27.50 per year – payable each Fall Semester

Required Uniform*	Estimated Cost
White Lab Coat	\$25.00
Shirt	\$23.00
White Uniform Pants	\$15.00
	\$25.00 Men's
White Leather Shoes	\$50.00 - \$60.00

* It is recommended that each student purchase two (2) complete uniforms at the beginning of the program. A new uniform/shoes may also be needed prior to graduation.

Other Costs	Estimated Cost
Hepatitis Vaccine	\$102.00
Physical Exam	\$165.00
Registry Exam	\$200.00*
Graduation Pins	\$50.00
Background Check/Drug Screening	\$85.00

* Registry Exam fee is subject to change without notice.

Please Note: These cost estimates are **in addition to** the costs that any student attending CVCC will incur each semester, such as tuition, activity fees, accident insurance, books and class supplies such as pens, paper, etc. Students applying for graduation will also pay graduation fees. Estimates for these costs may be found in CVCC general catalog.

Reminder: To be considered for Fall 2012, an applicant must apply and submit all admission requirements (see page 5 in this packet) by January 31, 2012.