

Course Sequencing		
Year	Quarter	Subject
First Year	Fall	NT 111 (Basic Nuclear Math & Physics) NT 131 (Nuclear Physics Components) NT 121 (Reactor Plant Operations) ELT 124 (Direct Current Circuits)
	Winter	NT 141 (Basic Reactor Safety, Theory & Operations) OR NT 142 (Basic Nuclear Safety & Environmental Compliance) <i>Prerequisite: NT 121 or NT 122</i> RPT 111 (Radiation Fundamentals) MATH 141 (Pre-calculus 1) OR ENGL& 101 (Composition 1)
	Spring	PHYS& 110 (Physics for Non-Science Majors w/ Lab) CHEM& 140 (General Chemistry Pre w/ Lab) MATH 141 (Pre-calculus 1) OR ENGL& 101 (Composition 1)
	Summer	CMST& 101 (Intro to Communication Studies) OR &210 (Interpersonal Communication) OR &220 (Public Speaking) OR 260 (Multicultural Communication) *** Nuclear Technology Radiation Protection Technician One-Year Certificate will be earned upon successful completion of the courses above PSYC& 100 (General Psychology) OR SOC& 101 (Intro to Sociology)
Second Year	Fall	RPT 121 (Radiation Monitoring) RPT 131 (Radiation Effects) NT 150 (Internship Seminar) NT 170 (Mechanical & Fluid Power Transmission)
	Winter	RPT 141 (Radioactive Materials Handling) RPT 222 (Radiation Protection) BIOL& 175 (Human Biology w/ Lab)
	Spring	RPT 211 (Radiation Safety & Response) NT 152 (Internship) OR NT 154 NT 160 (Nuclear Chemistry) ***AAS degree will be earned upon successful completion of this quarter.

Updated 9/5/23

The plan above is only a sample. If you want to see all of the courses we offer, please visit our online catalog [here!](#)

BEFORE YOU START

Ready to get started? To begin working towards the certificate or the AAS degree, you need to apply and be accepted to CBC. You can apply online at www.columbiabasin.edu.

You also need to apply directly to the program [here!](#)

GPA POLICY & PREREQUISITES

There is no room for error in the nuclear industry. These exacting standards are transferred to the education and training programs by requiring high-level competencies in math, reading and English. To be considered for CBC's Nuclear Technology program, the following placement testing results are recommended:

- College-level reading
- ENGL&101: English Composition
- MATH&141: Pre-Calculus

Qualified applications will be evaluated for acceptance each fall. Final selection of students is made after all transcript screenings and evaluations are complete.

OUT OF CLASS TO DO'S

- Contact your instructors and/or the CBC Career Services Center to find an internship, observation/shadowing experience, or a job in the nuclear technology field.
- Visit the Academic Success Center for quiet study space, small group study, supplemental instruction and tutoring assistance.

ABOUT THE PROGRAM

The Nuclear Technology program at CBC will help you build the STEM knowledge and related workplace skills for a career in the nuclear industry. During your studies in the Nuclear Technology program, you will learn about nuclear power plant operating and processing facilities, nuclear waste disposal, laboratories, radiation protection and electrical operations. Students working toward the AAS degree earn a one-year certificate in Nuclear Technology upon successful completion of their first-year requirements. In addition to the degree, graduates who qualify may also earn the industry recognized National Academy for Nuclear Training (NANT) Certificate.

CBC works closely with the nuclear industry, both locally and nationally. As one of 25 Nuclear Uniform Curriculum Programs (NUCP) in the U.S., CBC and Energy Northwest partner to ensure that the CBC Nuclear Technology program is aligned with the needs of the nuclear power industry. This includes ensuring the program offerings are consistent with the established standards for accredited utility training programs so that all graduates have the same basic knowledge necessary to be successful power plant workers.

CAREER OPPORTUNITIES

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FAQs

Class Times/Delivery Format

Nuclear Technology classes are offered in person and with some web enhancement.

General education courses may be offered online.

Length of Program

Full-time students can earn a certificate in one year and the AAS degree in two years.

Which Quarter Can I Begin?

The program accepts new students every fall.

APPLY FOR FINANCIAL AID OR OTHER FUNDING

Please complete:

The FAFSA application: The Free Application for Federal Student Aid (FAFSA) provides financial aid for U.S. citizens and eligible non-citizens, such as permanent residents. Visit the [FAFSA website](#) to create your FSA ID and to complete your application. **OR**

The WASFA application: The Washington Application for State Financial Aid (WASFA) is for DACA or HB 1079 undocumented students. Visit the [Washington Student Achievement Council website](#) to complete your WASFA application.

Did you know??? You can apply for CBC scholarships two times every year! Click [here](#) for more information.

PLEASE NOTE: This document represents a sample plan for degree completion with this program of study. Actual course selection and sequence may vary and should be discussed individually with your Completion Coach. Completion Coaches can also help you plan other experiences to enrich your education such as internships, research, learning communities, and campus involvement and community-based learning.

Office Hours: Monday to Thursday 7 am to 4:30 pm; Friday 7 am to noon

LEARN MORE |



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