



2019

Proton Therapy Specialist Certificate Application Packet



2018 Application Deadline:
The Proton Therapy Specialist Certificate is only offered once a year during the summer semester. Applications are due by May 1st.

ITCC
1/1/2019

Ivy Tech Community College - Bloomington
Proton Therapy Specialist Certificate

PROGRAM DESCRIPTION

The Proton Therapy Specialist Certificate program provides a post graduate educational opportunity to registered Radiation Therapists through instructional methods including online instruction and a clinical observation or applications training. Graduates receive a Certificate of Completion. The Proton Therapy Specialist Certificate is a college based program that provides graduates with 5 undergraduate college credit hours.

MISSION AND GOALS

The mission of the Proton Therapy Specialist Certificate program is to provide the student with a comprehensive education in proton therapy. Participants will complete the program with the knowledge and skills necessary to function as a competent and compassionate proton therapy professional.

PROGRAM OBJECTIVES

Graduates of the Ivy Tech Proton Therapy Specialist Certificate are expected to meet the following objectives.

1. Demonstrate knowledge of anatomical structures of the body in radiographic and cross-sectional images.
2. Describe the concepts of basic patient care specific to radiation therapy/ proton therapy with an emphasis on physical and emotional conditions.
3. Discuss the physical properties of protons and describe how they influence the principles of treatment and simulation.
4. Discuss specific pathologic conditions and describe the standard treatment and simulation regimens for each anatomical structure.
5. Describe and discuss quality management procedures standard in a proton therapy facility.
6. Practice radiation safety precautions specific to the delivery of proton therapy treatments.

IVY TECH COMMUNITY COLLEGE

Ivy Tech Community College - Bloomington is a comprehensive community college, offering transfer degrees, online course options, and workforce training. Please visit www.ivytech.edu/Bloomington for more information.

Ivy Tech Community College is one of the nation's largest statewide community college systems with single accreditation. It is the state's largest public post-secondary institution serving more than 120,000 students a year. While students enjoy the benefits of a large institution, with 23 campuses throughout the state and an average class size of 22, students find personal attention close to home at Ivy Tech Community College.

Ivy Tech Community College's Bloomington campus opened in 2002, and includes a six county service area: Greene, Lawrence, Martin, Monroe, Morgan and Owen counties. The Bloomington campus has an enrollment of 6,500 students. Though Bloomington has a six county service area, we serve students from nearly all Indiana counties

CURRENT AFFILIATED CLINICAL PARTNERS

- Northwestern Medicine Proton Center, Chicago IL
- Provision Proton Therapy Center, Knoxville TN
- New Jersey ProCure Proton Therapy Center, Somerset NJ

PROTON CERTIFICATE OVERVIEW

The Proton Therapy Specialist Certificate is considered a nontraditional program consisting of an online didactic component and 40 hour clinical observation. The clinical observation may be completed at one of the program's affiliated clinics or at another proton therapy center with proper approval and permission (i.e. a current employer). The training may also be completed via vendor applications training on employer purchased equipment. The program is offered once a year during the summer semester and last for eight weeks. Certificate-seeking students must complete both the 5 credit hour online course and the clinical observation component.

- RDTH 260 Principles and Practice of Proton Therapy (5 credit hrs)
Course offerings are dependent on enrollment and only available during the summer semester
- And a 40 hour clinical observation component or completed applications training from one of the following vendors:
 - o IBA
 - o Varian
 - o Elekta
 - o Mevion
 - o Or other approved manufacturer

****See application for more details****

INSURANCE STATEMENT

We strongly encourage the student to have their own personal insurance while completing the certificate. Any cost associated with accidents that may happen while in the clinical setting will be the student's responsibility. Neither the college nor clinical facility will be held accountable for these cost.

ELIGIBILITY REQUIREMENTS

- Must submit a completed Ivy Tech Community College application.
- Must submit a completed Proton Therapy Specialist Program application.
- Must be a graduate of an American Registry of Radiologic Technologists (ARRT) approved radiation therapy program or its international equivalent;
- Must be a registered Radiation Therapist (ARRT or its equivalent) in good standing and submit proof of current certification

PROGRAM COSTS

- Registered radiation therapists will be charged the current Ivy Tech online credit hour rate to include any student fees.
- Below is the link for current tuition rates:
 - <http://www.ivytech.edu/why-ivy-tech/>
- Selected applicants with no proton experience who require all components of the program (didactic and clinical observation) will be charged the current Ivy Tech online credit hour rates as well as any student fees that apply.
 - ***Students are responsible for setting up the clinical internship arrangements and any accommodations required for the rotation.***
 - ***Students may also be required to complete a background check and drug screen at the students cost as well as provide immunization documentation.***

REQUIRED TEXTS & CURRICULUM MATERIALS:

A Cancer Source Book for Nurses, American Cancer Society, 8th Ed., Jones and Bartlett Publishers, Mississauga, ON, 2004. ISBN: 0763732761

Principles and Practice: Radiation Therapy by Washington and Leaver, Mosby, Inc., 3rd Edition, 2010. ISBN: 978-0-323-05362-4

Materials Provided by Program

- CT Basics: Radiation Therapy Series, American Society of Radiologic Technologists, 2011.
- ***Journal of the ICRU***, Prescribing, Recording and Reporting Proton-Beam Therapy, Volume 7, No. 2, 2007, Oxford University Press (*provided by program*)
- **NetAnatomy**; accessed through Ivy Tech Virtual Library (*provided by program*)

OTHER SUGGESTED TEXTS:

Thomas Delaney and Hanne Kooy, ***Proton and Charged Particle Radiotherapy***, Lippincott Williams and Wilkins Publishers, Philadelphia, 2008

OTHER REQUIRED RESOURCES

- Personal or Notebook Computer with the following specs;
 - 1GHz or faster CPU
 - 256 MB or more of RAM (512 MB is strongly suggested)
 - High-speed internet connection
 - Windows XP (Mac OS X and Linux/Unix OS are suitable for most, but not all, online course applications)
 - CD-ROM drive/USB port
 - Sound card and speakers/headphones may be required for some course content
 - Video card and monitor capable of displaying at least 16 bit color (thousands of colors)
 - Current Web Browser (Internet Explorer or FireFox suggested)
- Able to communicate in English (or provide for translation)

CONTACT INFORMATION

Karlee Wyatt, MS, R.T. (R)(T), CMD
Ivy Tech Community College
200 Daniels Way
Bloomington, IN 47404
Email: kwyatt13@ivytech.edu
Phone: 812-330-6288



Ivy Tech Community College –Bloomington

**PROTON THERAPY SPECIALIST CERTIFICATE
APPLICATION**

Program Admission Requirements:

1. Completed Ivy Tech College Application
(<http://www.ivytech.edu/ApplicationAdmissionForm.pdf>)
2. Completed Proton Therapy Specialist Application (below)
3. Copy of current ARRT registration card or equivalent with certification in radiation therapy

Enclose all required documentation and mail or email to the address listed below:

1. Completed applications for admission to Ivy Tech (can be submitted online) and Proton Specialist Program
2. Copies of current ARRT registration/certification or international equivalent in radiation therapy
3. Documentation of at least **40 hours** of clinical observation in proton therapy or completed applications training. (if applicable)

Email: kwyatt13@ivytech.edu

Mail To:
Proton Therapy Specialist Certificate
Ivy Tech Community College – Bloomington
Attn: Karlee Wyatt, CMD
200 Daniels Way
Bloomington, IN 47404

**PROTON THERAPY SPECIALIST PROGRAM
ADMISSION APPLICATION**

Contact Information

Name: Last _____ First _____ Middle Initial _____

Street Address _____ Apt. # _____

City _____ State _____ ZIP _____ DOB _____

Phone () _____ Cell () _____

Email address _____

Radiation Therapy Education

Name of Program _____

School _____

Street Address _____

City _____ State _____ ZIP _____

Date of Graduation (mm/yyyy) _____ Degree/Certificate _____

Date of ARRT certification (mm/yyyy) _____

Radiation Therapy Work Experience

Name of Employer _____

Street Address _____

City _____ State _____ ZIP _____

Dates of Employment _____

Name of Employer _____

Street Address _____

City _____ State _____ ZIP _____

Dates of Employment _____