Proton Therapy Specialist Certificate
Application Packet

2016 Application Deadlines:
Spring semester applications are due by December 11th
Summer semester applications are due by May 2nd
Fall semester applications are due by July 25th
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 practicum 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

- Cadence Health Proton Center, Chicago IL
- Provision Proton Therapy Center, Knoxville TN
- New Jersey ProCure Proton Therapy Center, Somerset NJ
- Oklahoma ProCure Proton Therapy Center, Oklahoma City OK

PROTON CERTIFICATE OVERVIEW

The Proton Therapy Specialist Certificate is considered a nontraditional program consisting of an online didactic component and hands-on training experience. The hands-on training 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 in eight week semesters. Certificate-seeking students must complete both the 5 credit hour online course and the hands-on component.

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

*See application for more details*
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:
- Selected applicants with no proton experience who require all components of the program (didactic and hands-on training) 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 hands-on training arrangements and any accommodations required for the rotation.

REQUIRED TEXTS & CURRICULUM MATERIALS:


*Materials Provided by Program*

- *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:**


**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: BL-ProtonCert@lists.ivytech.edu
Phone: 812-330-6288
**Program Admission Requirements:**

1. Completed Ivy Tech College Application
   ([http://www.ivytech.edu/ApplicationAdmissionForm.pdf](http://www.ivytech.edu/ApplicationAdmissionForm.pdf))
2. Completed Proton Therapy Specialist Application
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 hands-on experience in proton therapy or completed applications training.

**Email:** BL-ProtonCert@lists.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 __________________________