Proton Therapy Specialist Certificate Application Packet

Application Deadlines:

Spring semester applications are due by January 6, 2014
First day of online classes begin January 13, 2014
PROGRAM DESCRIPTION

The Proton Therapy Specialist Certificate program provides a post graduate educational opportunity to registered Radiation Therapists through a variety of instructional methods including online and traditional instruction, simulated practical experience as well as clinical experience. Graduates receive a Certificate of Completion. The Proton Therapy Specialist Certificate is a college based program that provides graduates with 16 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. Demonstrate clinical competency in a variety of treatment procedures.

6. Describe and discuss quality management procedures standard in a proton therapy facility.

7. 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.

CLINICAL PARTNERS

- ProCure Treatment Centers, Inc.
- Indiana University (IU) Health Proton Therapy Center

CURRICULUM

The Proton Therapy Specialist Certificate is considered nontraditional program consisting of an online didactic component followed by onsite lecture and lab practicum. Clinical experience is the final component of the program. This final component 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). Participants can elect to complete the program in approximately one semester or as many as three. Certificate-seeking students must complete all 16 credit hours.

Program Courses

RDTH 260 Principles and Practice of Proton Therapy (8 credit hrs)
RDTH 261 Proton Therapy Lab Practicum (5 credit hrs)
RDTH 265 Clinical Experience (3 credit hrs)

*RDTH 260 and 261 must be completed prior to enrolling in 265, unless PLA (see below) credits are awarded for students documenting at least one year proton clinical experience.

*Course offerings are dependent on enrollment (each course will be offered at least once a year but may not be offered every semester).
Prior Learning Assessment (PLA)
Ivy Tech Community College acknowledges prior learning experiences. To acquire credits students must submit a portfolio to the program chair at time of application.

Portfolios must include a letter from you stating your education and experience, an up to date resume, current ARRT card, and two letters of references verifying employment and documenting experience in proton therapy. See application for details.

*Cost of Assessment – A $50 fee for each course evaluation to be processed will be assessed at the time of application with the Bursar. (if accepted this cost would be in lieu of standard tuition rates)

Completion of RDTH 261 and RDTH 265 may be satisfied by submitting separate PLA portfolios for each course. PLA credit is reviewed on a case-by-case basis and subject to approval by the Radiation Therapy Program Director and the PLA Evaluator.

REQUIRED TEXTS & CURRICULUM MATERIALS:

*Available at www.amazon.com


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
ELIGIBILITY REQUIREMENTS

- Must submit a completed Ivy Tech Community College application.
- Must submit a completed Proton Therapy Specialist Program application and required documents.
- 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

- Program costs vary depending on applicant’s experience level, and whether they are an Ivy Tech direct admit.
- Below is the link for current tuition rates:
  - http://www.ivytech.edu/why-ivy-tech/

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)

ACCREDITATION

Ivy Tech Community College is accredited by the Higher Learning Commission – North Central Association of Colleges and Schools. This program is approved by the College and State of Indiana for 16 credit hours. The College intends to seek specialized accreditation for the program when available.
The program abides by all Ivy Tech Community College admission policies. If an applicant is not accepted into the program and wishes to remain in consideration, he/she may request to be placed on the program waiting list. Admission to the program will be in order of the request.

CONTACT INFORMATION

Karlee Wyatt, MS, CMD, R.T. (R)(T)
Ivy Tech Community College
200 Daniels Way
Bloomington, IN 47404
Email: kwyatt13@ivytech.edu
Phone: 812-330-6288
Program Admission Requirements:
1. Completed Ivy Tech College Application (non-Ivy Tech Applicants only)
   Link: http://www.ivytech.edu/ApplicationAdmissionForm.pdf
2. Completed Proton Therapy Specialist Application
3. Completed PLA Portfolios

Contact Information
Name: Last ______________________  First ___________________  Middle Initial ______  DOB ______________
Street Address_______________________________________  Apt. #_________
City________________________ State ________  ZIP ________
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) _______________________ Certification # _____________
Proton 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 __________________________

Verification of Employment and Experience

• Submit two letters verifying at least one year of employment/experience from the center/s identified above. Letters must be written by the following personnel.

   1. Human Resources Representative
   2. Administrator or Medical Director of Proton Center

Mail Application and Supporting Documents To:
Proton Therapy Specialist Program
Ivy Tech Community College
200 Daniels Way
Bloomington, IN 47404
Attn: Karlee Wyatt, CMD