

# Dosimetry for Radiation Therapist (Track A) - Master of Science

**Track A (full-time) includes a 12 month clinical internship program that takes place from January through December. For Track A (part-time) the clinical internship program starts in May and ends in December of the following year.** This Master of Science program not only delivers the core medical dosimetry curriculum, it also offers advanced professional and research coursework that prepares graduates for future advancement in the profession. Upon graduation, the student is considered a Route 1 exam applicant by the MDCB (<http://www.mdcb.org>). This program adheres to all JRCERT accreditation standards.

## Program requirements

### Program admission requirements for track A

- Applicants must have earned a baccalaureate degree. (A degree in biology, chemistry, computer science, mathematics, physics, radiation therapy, radiologic sciences, or other areas approved by the program.)
- Minimum cumulative GPA of 3.00 in all college level coursework attempted.
- Minimum GPA of 3.00 in all science and math coursework attempted.
- The following prerequisite coursework completed by the application deadline:

Code	Title	Credits
<b>Prerequisite coursework</b>		
	Human Anatomy and Physiology two-semester sequence with labs; or equivalent	6-8
	Physics two-semester sequence; or equivalent	6-8
	Pre-Calculus; or College Algebra + Trigonometry; or equivalent	3-4
	Biology; or equivalent	3-4
	Medical Terminology; or equivalent	1-3

- Universities of Wisconsin application and official transcripts.
- Written responses to required essay prompts, submitted online.
- Direct patient healthcare experience, submitted online and evaluated for the quality and extent of the experience.
- Four recommendations, two of which must come from individuals who have worked with or supervised the applicant in a clinical setting.
- Minimum of 40 hours of observation in medical dosimetry. The individual providing the observation may not also submit a recommendation.
- Evidence of current ARRT certification.
- Interviews with adjunct faculty at affiliated clinical internship sites.

International applicants must also submit the following items:

- Foreign credential evaluation with course-by-course review.
- Proof of English language proficiency for non-native speakers via an acceptable TOEFL or IELTS or DET exam score.

Additional details on admissions requirements and where to submit materials can be found on the Medical Dosimetry application process website (<https://www.uwlax.edu/grad/medical-dosimetry/application-process/>).

## Curriculum - Track A (for radiation therapists)

Students enrolled in the Medical Dosimetry Master of Science Program must take all courses in sequence per semester as a cohort (see sample degree plan tab). Courses are listed in order of enrollment.

46 credits

Code	Title	Credits
DOS 511	Imaging and Localization Concepts	2
DOS 513	Anatomy for Medical Dosimetrists	2
DOS 514	Physics Fundamentals for Medical Dosimetrists	3
DOS 516	Fundamentals of Radiation Safety	1
DOS 750	Professional e-Portfolio	1
DOS 523	Treatment Planning and Calculations	4
DOS 525	Brachytherapy for Medical Dosimetrists	2
DOS 711	Research Methods I	3
DOS 771	Clinical Internship I	5
DOS 518	Professional Issues in Medical Dosimetry	1
DOS 531	Clinical Oncology for Medical Dosimetrists	2
DOS 731	Research Methods II	2
DOS 741	Protocols and Studies in Radiation Oncology	1
DOS 772	Clinical Internship II	5
DOS 541	Radiobiology for Medical Dosimetrists	1
DOS 542	Quality Assurance	2
DOS 543	Seminar in Medical Dosimetry	2
DOS 773	Clinical Internship III	5
DOS 751	Research Methods III	2
<b>Total Credits</b>		<b>46</b>

## University requirements

### University graduate degree requirements

After being admitted to the program of one's choice, candidates for a graduate degree must:

1. Complete any preliminary course work and deficiencies.
2. Complete all courses and other program requirements, including residence requirements prescribed for the degree desired in the respective school or college within a seven-year period from the date of initial enrollment, with the exception of students enrolled in the Student Affairs Administration and Leadership Ed.D. (SAA Ed.D.) graduate program. SAA Ed.D. students must complete all degree requirements within ten years from the time of initial enrollment in the graduate program.
3. Earn a minimum of 30 credits for a master's degree; 54 credits for a doctorate or post-master's degree. Earn at least one-half of the minimum number of credits required in the program in graduate-only level courses (700, 800, 900, and non-slash 600 level courses). Some UWL graduate programs require more than 30 graduate credits. Please review the individual program requirements (<http://catalog.uwlax.edu/graduate/programrequirements/>) listed in the catalog for the exact number of credits required.
4. Earn a cumulative grade point average of at least 3.00.

5. Satisfy dissertation, thesis, seminar paper, terminal/graduate projects and internships, or comprehensive examination, where applicable. A dissertation or thesis approved by the committee must be submitted to Graduate & Extended Learning for editorial review and approval by the Dean of Graduate & Extended Learning. The recommended initial submission date for review is two weeks before commencement. Ordinarily, a seminar paper or project report does not have to be approved by the Dean of Graduate & Extended Learning. However, if the seminar paper or project report is to be archived in Murphy Library, the student must follow the same rules as they apply to the dissertation/thesis requiring approval from the Dean of Graduate & Extended Learning. For further research/dissertation/thesis guidelines (<https://www.uwlax.edu/gel/graduate-education/thesis-and-dissertation/>), see Graduate & Extended Learning.
6. File a completed "Intent to Graduate" form online via the WINGS Student Center immediately following registration for the final semester or summer term in residence. December graduates and winter intersession should file by May 1. May and summer graduates should file by December 1.
7. Pay the graduation fee and remove all other indebtedness to the university. Payment of graduation fees does not imply readiness for graduation and does not take the place of applying for graduation.
8. Complete all requirements within 30 days after the official ending date of a term in order for a degree to be awarded for that term. (See #5 above for separate deadline for written capstone experience.)

DOS 772	1		
	<b>6</b>	<b>7</b>	<b>6</b>
<b>Year 3</b>			
<b>Fall</b>	<b>Credits</b>		
DOS 751	2		
DOS 543	2		
DOS 773	2		
	<b>6</b>		
<b>Total Credits: 46</b>			

## Sample degree plan - full time

Year 1			
Fall	Credits Spring	Credits Summer	Credits
DOS 511	2 DOS 523	4 DOS 541	1
DOS 513	2 DOS 711	3 DOS 525	2
DOS 514	3 DOS 531	2 DOS 731	2
DOS 516	1 DOS 771	5 DOS 741	1
DOS 750	1	DOS 772	5
	<b>9</b>	<b>14</b>	<b>11</b>

Year 2	
Fall	Credits
DOS 542	2
DOS 543	2
DOS 751	2
DOS 518	1
DOS 773	5
	<b>12</b>

Total Credits: 46

## Sample degree plan - part time

Year 1			
Fall	Credits Spring	Credits Summer	Credits
DOS 511	2 DOS 523	4 DOS 525	2
DOS 513	2 DOS 531	2 DOS 541	1
DOS 514	3	DOS 771	3
DOS 516	1		
DOS 750	1		
	<b>9</b>	<b>6</b>	<b>6</b>

Year 2			
Fall	Credits Spring	Credits Summer	Credits
DOS 542	2 DOS 711	3 DOS 731	2
DOS 518	1 DOS 772	4 DOS 741	1
DOS 771	2	DOS 773	3