

# Radiochemistry, Graduate Certificate

## Requirements

The graduate Certificate in Radiochemistry requires 12 s.h. of credit, including 8 s.h. of online coursework, and 4 s.h. of hands-on, in-person laboratory instruction. The certificate is open to students enrolled in University of Iowa graduate degree programs and to individuals who are enrolled in the Graduate College as nondegree students.

The certificate curriculum addresses fundamental concepts, instrumentation, and techniques utilized in radiochemistry, with an analytical chemistry focus. The certificate is designed to serve both working professionals and University of Iowa students; courses are divided into smaller modules offering flexibility in both instruction and student course load.

The graduate Certificate in Radiochemistry requires the following coursework.

## Required Online Courses

Course #	Title	Hours
All of these:		
CHEM:5121	Nuclear Physics Concepts	1
CHEM:5122	Radiochemistry Separation Concepts I	1
CHEM:5124	Radiochemistry Instrumental Analysis I	1
CHEM:5126	Radiochemistry Data Analysis and Statistics	1
CHEM:5127	Radiochemistry Quality Assurance	1
CHEM:5128	Radiation Safety and Health Physics	1

## Elective Courses

Course #	Title	Hours
2 s.h. from these:		
CHEM:5123	Radiochemistry Separation Concepts II	1
CHEM:5125	Radiochemistry Instrumental Analysis II	1
CHEM:5131	Radiomedicine: Foundations of Radiopharmaceutical Research and Development	1
CHEM:5132	Radiomedicine: Radiopharmaceutical Production and Regulations	1

## Required Laboratory Courses

Course #	Title	Hours
Both of these:		
CHEM:5129	Radiochemistry Separation Laboratory	2
CHEM:5130	Radiochemistry Instrumental Analysis Laboratory	2

For questions about the Certificate in Radiochemistry, please contact the Department of Chemistry.