

Edgewood College Curriculum for the Medical Science Major with a Radiography Concentration

Fall Semester – Freshman Year		Credits	Spring Semester – Freshman Year		Credits
MATH 114A	Precalculus A: College Algebra (M)	3	¹ CHEM 120	General Chemistry (S)	4
MATH 114B	Precalculus B: Trigonometry Or B or better in high school Trig.	2	COMM 100	Oral Communication (O)	4
PHILOS 101	Logic: Critical Thinking (T)	3	ENG 110	College Writing (W)	4
<i>COR I</i>		3	<i>Gen Ed</i>	<i>(Select: A, B, C, H, or R with D, E, G, Q)</i>	3-4
<i>Gen Ed</i>	<i>(Select: A, B, C, H, or R with D, E, G, Q)</i>	3-4			
Total Credits		14-15	Total Credits		15-16

Fall Semester – Sophomore Year		Credits	Spring Semester – Sophomore Year		Credits
BIO 155	Human Cell Biology & Genetics (S,U)	4	BIO 210	Anatomy & Physiology I	4
CHEM 121	General Chemistry II (S)	4	PHYSICS 130	General Physics (S)	4
<i>COR II</i>		3-4	² PHIL 442	Health Care Ethics (P)	4
<i>Gen Ed</i>	<i>(Select: A, B, C, H, or R with D, E, G, Q)</i>	3-4	BIO 251	Intro to Biology Research I (I)	3
Total Credits		14-16	Total Credits		15

Fall Semester – Junior Year		Credits	Spring Semester – Junior Year		Credits
BIO 211	Anatomy & Physiology II	4	BIO 410	Pathology (K)	3
PHYSICS 131	General Physics II (S)	4	BIO 202	Medical Terminology	2
PSYCH 101	Intro to Psychology (J)	4	PSYCH 345	Life Span Development	4
<i>Gen Ed</i>	<i>(Select: A, B, C, H, or R with D, E, G, Q)</i>	3-4	<i>COR III CHEM 400: Ethics & Resp. in Sci. Research</i>		1
			<i>Gen Ed</i>	<i>(Select: A, B, C, H, or R with D, E, G, Q)</i>	3-4
<i>*Apply for internship by December 1</i>					
Total Credits		16-17	Total Credits		13-14

¹ Chemistry 120 or 121 sequence can be started at any time depending on math placement.

² Medical Law requirement for UWHC fulfilled by PHIL 442 or RS 442. Only post baccalaureate students should take RS 442 (R).

The courses listed above in italics are part of Edgewood College general education requirements. The students apply to the School of Radiologic Technology School in the Fall semester of their junior year at the University of Wisconsin's Hospitals and Clinics (UWHC). The UWHC is a very competitive program with excellent certification and employment success and this curriculum has been designed to specifically improve Edgewood College students' likelihood of acceptance. Interested students should seek advice from their major advisor as to how to improve their chances of admission to the UWHC program. The students will interview around the time of spring break in their junior year, and if accepted, they will continue their education at UWHC in their final 2 years. If the students are not accepted into the program, the students can wait until the following December to reapply or work toward graduating with a biology major. The students who become Biology majors will have enough time to complete the remaining required research requirement and courses for the Biology major (BIO 151, 353, 401, 402, 480) and 1 of the following courses (BIO 206, 275, 333, 430, or 450) in their fourth year at Edgewood College.

Additional Requirements:

- Students are required to have obtained their Health-Care Provider CPR certification prior to application to UWHC.
- Students are required to shadow a radiographer for a minimum of 4-8 hours prior to application to UWHC. Please talk to your major advisor to request a shadowing experience through UWHC. Students are encouraged to shadow general sonography, echocardiography, and radiography to make an informed decision and to help understand of the differences between fields.
- To improve a student's chance of acceptance into UWHC, it is strongly encouraged but not required to have Certified Nursing Assistant certification (CNA) before applying and patient care experience. Experience caring for the sick is beneficial in that it prepares you for clinical practice and such experience can be obtained through employment (such as CNA certification) or volunteer activities in nursing homes, hospitals, clinics including urgent care, trauma centers, and imaging centers.
- Students are required to have an overall GPA of 2.5 on a 4-point scale for all pre-professional coursework. In addition, a minimum of "C" grade must be earned in each prerequisite courses, which includes several courses listed above except for courses listed as "COR or Gen Ed".
- *To maximize your acceptance into the clinical internship, students should have their CNA and CPR certification, minimum 100 hours of patient care experience, and shadowing hours completed prior to your application to UWHC. All pre-internship classes need to be completed prior to beginning your clinical internship at UWHC.*

Notice: Each applicant's eligibility is evaluated according to strict standards of educational preparedness, professional competency and high ethical standards of behavior as contained in the [ARRT Rules of Ethics](#). Ethics violations can have a negative impact on an applicant's eligibility to obtain certification in the radiologic sciences even though all educational and competency requirements have been met. Applicants to professional training in the radiologic sciences are advised of the following:

- Issues addressed by the ARRT Rules of Ethics include convictions of any and all crimes; including misdemeanors, gross misdemeanors, felonies or alcohol and drug violations.
- All convictions must be reported to the ARRT and an ethics review will be conducted to determine if the individual is eligible for certification.
- Any conviction can negatively impact a candidate's eligibility for certification, therefore all convictions (except parking and speeding violations) must be reported to the ARRT regardless of whether they occur before, during or after professional training has been completed.
- Offenses committed as a juvenile that were adjudicated through the juvenile court system are not required to be reported.
- The ARRT will conduct a pre-application review of any violation before or during an applicant's education upon request by the applicant. A pre-application review packet can be obtained from the [ARRT website](#) or by contacting the ARRT at (651) 687-0048, ext. 8580.

UWHC Curriculum for Radiography Internship
UWHC Program Year 1

FALL – Year 1	Credits	SPRING – Year 1	Credits
Clin Lab Sci 350 Intro Radiologic Sci & Hlth Care	2	Clin Lab Sci 360 Radiation Biology	2
Clin Lab Sci 351 Radiation Protection	2	Clin Lab Sci 361 Human Structure & Function II	2
Clin Lab Sci 352 Human Structure & Function I	2	Clin Lab Sci 362 Principles of Imaging II	3
Clin Lab Sci 353 Principles of Imaging I	2	Clin Lab Sci 363 Radiographic Procedures II	3
Clin Lab Sci 354 Radiographic Procedures I	3	Clin Lab Sci 364 Radiography Clinical Education	3
Clin Lab Sci 355 Radiography Clinical Education I	3		
Total Credits	14	Total Credits	13

Summer – Year 1	Credits
Clin Lab Sci 370 Human Structure & Function III	1
Clin Lab Sci 371 Radiographic Procedures III	2
Clin Lab Sci 372 Radiography Clinical Education III	4
Total Credits	7

UWHC Program Year 2

FALL – Year 2	Credits	SPRING – Year 2	Credits
Clin Lab Sci 470 Radiographic Physics I	2	Clin Lab Sci 475 Radiographic Physics II	2
Clin Lab Sci 471 Digital Imaging	3	Clin Lab Sci 476 Seminar in Radiography II	2
Clin Lab Sci 307 Seminar in Radiography I	3	Clin Lab Sci 477 Cross Sectional Anatomy	3
Clin Lab Sci 473 Imaging Procedures IV	2	Clin Lab Sci 478 Radiographic Pathology	3
Clin Lab Sci 474 Radiography Clinical Education IV	3	Clin Lab Sci 479 Radiography Clinical Education V	3
Total Credits	13	Total Credits	13

Summer – Year 2	Credits
C L SCI 485 Professional Development in Radiography	2
C L SCI 486 Radiography Clinical Education VI	4
Total Credits	6

For more information about this major and the School of Radiologic Technology at the University of Wisconsin Hospitals and Clinics, please visit <http://biology.edgewood.edu/Academics/Pre-Health-Pathways/Pre-Radiologic-Technologist>

Questions about the Medical Science Major? Please contact Dr. Brenda del Moral, Biological Sciences Department, School of Arts and Sciences, BdelMoral@edgewood.edu, (608) 663-4283, Office in Sonderegger Science Center, room 327.