

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	^b CHEM 120/110	General Chemistry (S)	4
^a MATH 114B	Precalculus B: Trigonometry Or B or better in high school Trig.	2	BIO 155	Human Cell Biology & Genetics (S)	4
ENG 110	College Writing (W)	4	PHILOS 101	Logic: Critical Thinking (T)	3
<i>COR I</i>	<i>(Select: D, E, G, Q)</i>	3-4	PSYCH 101	Intro to Psychology (J)	4
<i>Gen Ed</i>	<i>(Select: H or R with D,E,G,Q)</i>	4	<i>Gen Ed</i>	<i>(Select: A, C, H, or R with D,E,G,Q)</i>	3-4
Total Credits		16-17	Total Credits		17-18

Fall Semester – Sophomore Year		Credits	Spring Semester – Sophomore Year		Credits
BIO 210	Anatomy & Physiology I	4	BIO 211	Anatomy & Physiology II	4
PSYCH 345	Life Span Development	4	PHYSICS 130	General Physics (S)	4
^c PHIL 442	Health Care Ethics (P)	4	BIO 251	Intro to Biology Research I (I)	3
<i>COR II</i>	<i>(Select: D, E, G, Q)</i>	3-4	COMMS 100	Oral Communication (O)	3
<i>Gen Ed</i>	<i>Select B tag</i>	2	<i>Gen Ed</i>	<i>(Select: A, C, H, or R with D,E,G,Q)</i>	3-4
Total Credits		17-18	Total Credits		17-18

Fall Semester – Junior Year		Credits	Spring Semester – Junior Year		Credits
BIO 412	Pathophysiology	3	<i>*Take any remaining courses to complete general education or minor requirements</i>		
PHYSICS 131	General Physics II (S)	4			
BIO 202	Medical Terminology	2			
<i>COR III</i>	<i>BIO 480 (3)</i>	1	<i>*If completing minor, talk to your advisor about how best to exchange courses throughout semesters</i>		
<i>Gen Ed</i>	<i>(Select: A, C, H, or R with D,E,G,Q)</i>	3			
<i>Gen Ed</i>	<i>(Select: C, H, or R with D,E,G,Q)</i>	4			
<i>*Apply for internship by December 1</i>					
Total Credits		17			

^a MATH 114B is NOT required for the major nor for the physics prerequisites. Physics (PHYS 130 and 131) requires MATH 114A or math placement level 3. However, if a student has learned trigonometry previously (typically high school), then MATH 114B is recommended to increase a student's success in physics. For students who have had trigonometry, then a focus on a general education class is encouraged.

^b Chemistry 120 or 110 can be started at any time depending on math placement.

^c Medical law requirement for UW HEALTH 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 (UW) Health. The UW Health internship 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 UW Health program. The students will interview around the time of spring break in their junior year, and if accepted, they will continue their education at UW Health 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 UW Health.
- Students are required to shadow a radiographer for a minimum of 4 hours prior to application to UW Health. Please talk to your major advisor to request a shadowing experience through UW Health. 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 clinical internship, it is strongly encouraged but not required to be registered Nurse Aide (formerly CNA) before applying and patient care experience. Experience caring for the sick is beneficial in that it prepares you for clinical practice. Patient care experience can be obtained through work in nursing homes, hospitals, clinics including urgent care, and trauma and rehabilitation 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 CPR certification and shadowing hours completed prior to your application to UW Health (plus Nurse Aide registry and 100 hours of patient care experience, if relevant). All pre-internship classes need to be completed prior to beginning your clinical internship at UW Health.

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.

UW Health Curriculum for Radiography Internship
UW Health Program Year 1

FALL – Year 1	Credits	SPRING – Year 1	Credits
DMI306 Imaging Procedures I	5	DMI307 Seminar in Radiation Biology	3
DMI350 Introduction to Rad. Science	2	DMI308 Imaging Procedures II	5
DMI351 Radiation Protection	2	DMI362 Principles of Imaging II	3
DMI353 Principles of Imaging I	3	DMI364 Radiography Clinical Education II	3
DMI355 Radiography Clinical Education I	3		
Total Credits	15	Total Credits	14

Summer – Year 1	Credits
DMI309 Imaging Procedures III	3
DMI371 Radiographic Procedures III	4
Total Credits	7

UW Health Program Year 2

FALL – Year 2	Credits	SPRING – Year 2	Credits
DMI401 Seminar in Radiation Biology II	2	DMI360 Radiation Biology	2
DMI470 Radiographic Physics	2	DMI475 Seminar in Radiography IV	2
DMI473 Imaging Procedures IV	2	DMI478 Radiographic Pathology	3
DMI474 Radiography Clinical Education IV	3	DMI479 Radiography Clinical Education V	3
DMI477 Cross-sectional Anatomy	3	DMI480 Seminar in Radiography IV	2
Total Credits	12	Total Credits	12

Summer – Year 2	Credits
DMI485 Professional Development in Radiography	2
DMI486 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 Health, please visit <http://biology.edgewood.edu/Academics/Pre-Health-Pathways/Pre-Radiologic-Technologist>

Questions about the Medical Science Major? Please contact Drs. Brenda del Moral or Peter Kuhn, Biological Sciences Department, School of Arts and Sciences, BdelMoral@edgewood.edu (608-663-4283) or PKuhn@edgewood.edu (608-663-6998).