

HEALTH SCIENCES

**GUIDED PATHWAY: MAGNETIC RESONANCE IMAGING**

For more information, visit [www.dcccd.edu/MRI](http://www.dcccd.edu/MRI) and your academic advisor at El Centro College.

This is an example course sequence for students interested in pursuing an associate's degree in Magnetic Resonance Imaging (MRI). It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn an Associate of Applied Science (AAS) degree in Magnetic Resonance Imaging<sup>ii</sup>. For official degree requirements, [click here](#).

The Magnetic Resonance Imaging (MRI) program is a two-year AAS degree program with a [competitive admissions process](#). The MRI program is a two-year program that prepares students to function as a MRI Technologist. The first year of the program consists of general education and health occupations core courses. The second year of the program provides intensive didactic and clinical training in the medical specialty of Magnetic Resonance Imaging. A minimum grade requirement of "C" or better is required in all MRIT courses. The MRI technologist performs examinations using magnetism and radio frequency to visualize internal organs such as the heart, abdominal organs and brain. It may also be used to visualize bony structures such as the spine, skull, and extremities. Graduates will be eligible to take the MRI Registry Exam offered by the American Registry of Radiologic Technologists. Gainful employment information for this degree can be found at [www.dcccd.edu/gainfulemp](http://www.dcccd.edu/gainfulemp). Courses that complete the Degree (D) are noted below.

Visit [www.ntxccc.org/pathways](http://www.ntxccc.org/pathways) to view guided pathways created for students who complete an AAS degree and the options for transfer to complete a Bachelor of Applied Arts and Science. Speak with an academic advisor at your college to choose courses that will help you to transfer to a specific university.



ONLY Offered at ECC

**COLLEGE READINESS REQUIREMENTS (only for the AAS)**

Enrolling in one or more courses may be necessary if assessment activities and previous academic experiences indicate a need for additional knowledge and skills:

**READING & WRITING PLACEMENT**

**MATH PLACEMENT**

**ENGLISH LANGUAGE PROFICIENCY**

TSI READING MET:  YES  NO  
TSI WRITING MET:  YES  NO

TSI MATH MET:  YES  NO

ENGLISH PROFICIENCY:  YES  NO

IF TSI OR ENGLISH LANGUAGE PROFICIENCY NOT MET, INSERT COURSE(S) NEEDED

DREA/DWRI/DIRW (Circle One)

DMAT \_\_\_\_\_

ESOL \_\_\_\_\_

OTHER: \_\_\_\_\_

OTHER: \_\_\_\_\_

OTHER: \_\_\_\_\_

Exemptions/waivers may exist. Speak with an academic advisor regarding placement in college readiness courses and your ability to enroll in core academic coursework.

**PROGRAM SPECIFIC REQUIREMENTS<sup>iii</sup>**

Completion of one of the following:

- 1  Completion of six Health Professions Readiness courses that satisfy the Health Professions Readiness I & II Skills Achievement Awards.
- 2  Two years' employment as a healthcare worker within a medical related laboratory **AND** Direct patient care experience within the last 5 years
- 3  Current credential in a healthcare profession (e.g., RN, Medical Assisting, Radiography, Paramedic, LVN, etc.)

**SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS<sup>iv</sup>**

Prerequisite Semesters 1 and 2 can be modified for part-time enrollment.

Once you are admitted to the program, you must enroll as outlined in Program Semesters 1-4

D	PREREQUISITE SEMESTER 1 (FALL)	ACTION ITEMS
♦	ENGL 1301 – Composition I (core course)	<input type="checkbox"/> Meet with your advisor to confirm academic and career goals before the end of the semester. <input type="checkbox"/> Meet with a career advisor or coach to research your career options.
♦	MATH 1314 – College Algebra (core course)	
♦	BIOL 2401 – Anatomy and Physiology I <sup>v</sup> (core course)	
♦	COSC 1301 – Introduction to Computing	
♦	HUMA 1315 – Fine Arts Appreciation <sup>vi</sup> (core course)	
<b>TOTAL SEMESTER CREDIT HOURS: 16</b>		
D	PREREQUISITE SEMESTER 2 (SPRING)	ACTION ITEMS
♦	BIOL 2402 – Anatomy and Physiology II (core course)	<input type="checkbox"/> Meet with your advisor to file an official degree plan, confirm or update your academic/career path and program of study.
♦	SCIT 1420 – Physics for Allied Health	
♦	SPCH 1311 – Introduction to Speech Communication <sup>vi</sup> (core course)	
♦	PSYC 2301 – General Psychology (core course)	
<b>TOTAL SEMESTER CREDIT HOURS: 14</b>		
D	PROGRAM SEMESTER (SUMMER I)	ACTION ITEMS
♦	RADR 2340 – Sectional Anatomy for Medical Imaging	<input type="checkbox"/> Meet with the clinical coordinator regarding placement for the Clinical course.
<b>TOTAL SEMESTER CREDIT HOURS: 3</b>		
D	PROGRAM SEMESTER 2 (FALL)	ACTION ITEMS
♦	MRIT 2334 – Magnetic Resonance Equipment and Methodology	<input type="checkbox"/> Meet with the clinical coordinator regarding placement for the Clinical course.
♦	MRIT 2660 – Clinical - Radiologic Technology/Science - Radiographer	
♦	MRIT 2330 – Principles of Magnetic Resonance Imaging	
<b>TOTAL SEMESTER CREDIT HOURS: 12</b>		
D	PROGRAM SEMESTER 3 (SPRING)	ACTION ITEMS
♦	MRIT 2374 – Advanced Principles of Magnetic Resonance Imaging	<input type="checkbox"/> Meet with the clinical coordinator regarding placement for the Clinical course. <input type="checkbox"/> Meet with a career advisor or coach for assistance in preparing for job search, if needed.
♦	MRIT 2661 – Clinical - Radiologic Technology/Science - Radiographer	
♦	MRIT 1191 – Special Topics in Magnetic Resonance Imaging Technology/Technician	
<b>TOTAL SEMESTER CREDIT HOURS: 10</b>		
D	PROGRAM SEMESTER 4 (SUMMER)	ACTION ITEMS
♦	MRIT 2563 – Clinical - Radiologic Technology/Science - Radiographer	<input type="checkbox"/> After reviewing your degree plan and program of study, apply for Graduation. <input type="checkbox"/> Meet with Health Occupations Admissions Office to apply for the Magnetic Resonance Imaging AAS. <input type="checkbox"/> Sign up for commencement. <input type="checkbox"/> Join the <a href="#">Alumni Network!</a>
<b>TOTAL SEMESTER CREDIT HOURS: 5</b>		
<b>AAS DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS   PATHWAY TOTAL: 60 SEMESTER CREDIT HOURS</b>		

A minimum grade requirement of "C" or better is required in all courses.

<sup>i</sup> Degree plans may change in later catalogs. You may use this pathway if you entered one of the seven colleges on or before this date.

<sup>ii</sup> Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by the DCCCD college awarding the degree.

<sup>iii</sup> To apply to the Magnetic Resonance Imaging program, an applicant must meet the conditions of one of the listed Application Eligibility categories. Detailed information is in the [application packet](#).

<sup>iv</sup> This is not an official degree plan. For official degree requirements, [click here](#).

<sup>v</sup> To register for BIOL 2401 you must complete the prerequisite: A grade of "C" or better in BIOL 1406.

<sup>vi</sup> There are several options to fulfill this requirement. See Health Occupations Admissions Office for a specific list.