



COURSE SEQUENCE GUIDE | FULL-TIME ENROLLMENT

Radiation Therapy
Associate in Science | Code: 23058 | 77 credits
Effective Term: Fall 2024 (2247)

Semester 1

Course ID	Course Title	Credits	Pre/Co-requisites
ENC 1101	English Composition I	3	Prerequisite: Student must meet the Developmental Education reading and writing requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption).
Humanities	ARH 1000, HUM 1020, LIT 2000, MUL 1010, PHI 2010, THE 2000	3	Note: ENC 1101 is a prerequisite to LIT 2000.
BSC 2085	Human Anatomy and Physiology 1	3	Corequisite: BSC 2085L
BSC 2085L	Human Anatomy and Physiology 1 Laboratory	1	Corequisite: BSC 2085
Semester Credits		10	

Semester 2

Course ID	Course Title	Credits	Pre/Co-requisites
BSC 2086	Human Anatomy & Physiology 2	3	Prerequisite: BSC 2085; Corequisite: BSC 2086L
BSC 2086L	Human Anatomy & Physiology 2 Laboratory	1	Prerequisite: BSC 2085, 2085L; Corequisite: BSC 2086
MAC* MGF*	Mathematics	3	Prerequisite for MAC*: MAT 1033 Prerequisite for MGF*: Student must meet the Developmental Education reading and writing requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption).
Social Science	AMH 2010, AMH 2020, POS 2041	3	
HIM 2472	Medical Terminology	3	
Semester Credits		13	

Semester 3 (In-Milestone)

Course ID	Course Title	Credits	Pre/Co-requisites
RAT 1001	Introduction to Radiation Oncology	2	Corequisites: RAT 1615, RAT 1804, RAT 2123
RAT 1615	Radiation Therapy Medical Imaging	3	Corequisites: RAT 1001, RAT 1615, RAT 2123
RAT 1804	Clinical Education 1	5	Corequisites: RAT 1001, RAT 1615, RAT 2123
RAT 2123	Patient Care in Radiation Therapy	3	Corequisites: RAT 1001, RAT 1615, RAT 1804
Semester Credits		13	

Semester 4 (In-Milestone)

Course ID	Course Title	Credits	Pre/Co-requisites
RAT 1021C	Principles and Practices of Radiation Therapy I	2	Corequisites: RAT 1242, RAT 1614C, RAT 1615, RAT 1814, RAT 1840
RAT 1242	Clinical Oncology and Pathology	2	Prerequisites: RAT 1001, RAT 2123
RAT 1614C	Radiation Therapy Physics I	2	Corequisites: RAT 1021C, RAT 1242, RAT 1814, RAT 1840
RAT 1814	Clinical Education 2	5	Prerequisite: RAT 1804
RAT 2240C	Radiation Oncology sectional Anatomy	1	Prerequisites: BSC 2085, BSC 2085L, BSC 2086, BSC 2086L
Semester Credits		12	

Semester 5 (In-Milestone)

Course ID	Course Title	Credits	Pre/Co-requisites
RAT 1657	Radiation Protection/Quality Assurance	1	
RAT 1824	Radiographic Clinical 3	8	Prerequisite: RAT 2243C; Corequisites: RAT 1657, RAT 2022C, RAT 2243C, RAT 2618C
RAT 2022C	Principles & Practices of Radiation Therapy II	2	Prerequisite: RAT 1021C; Corequisites: RAT 1657, RAT 1824, RAT 2243C, RAT 2618C
RAT 2243C	Clinical Oncology and Neoplasms	3	Prerequisite: RAT 1242; Corequisites: RAT 1657, RAT 1824, RAT 2022C, RAT 2618C
RAT 2618C	Radiation Therapy Physics II	2	Prerequisite: RAT 1614C; Corequisites: RAT 1657, RAT 1824, RAT 2022C, RAT 2243C
Semester Credits		16	

Semester 6 (In-Milestone)

Course ID	Course Title	Credits	Pre/Co-requisites
RAT 1619	Elements of Treatment Planning	2	Corequisites: RAT 2061, RAT 2241, RAT 2834
RAT 2061	Radiation Therapy Seminar	3	Corequisites: RAT 1619, RAT 2241, RAT 2834
RAT 2241	Radiobiology	2	Prerequisite: RAT 1001
RAT 2834	Clinical Education 4	6	Prerequisite: RAT 1824; Corequisites: RAT 1619, RAT 2061, RAT 2241
Semester Credits		13	
Program Total		77	

Academic Pathway at MDC: The AS in Radiation Therapy is a pathway to the [BAS in Supervision and Management](#). CGS 1060C must be satisfied for completion of the Associate in Science Degree. Course satisfaction can be accomplished through examination or by successful class attendance in the course. Student must have successfully completed HSC 0003 – Introduction to Health Care (2.5 credits) and HSC 0003L – Introduction to Health Care Lab (.5 credits) prior to applying to the program. To learn more about the courses listed see [College Catalog](#).