



Radiation Therapy

Associate in Science | Code: 23058 | 77 credits

CIP (1351090701)

Effective Term: Fall 2024 (2247)

The Radiation Therapy program is a comprehensive educational program designed to prepare students for a career as a skilled and knowledgeable Radiation Therapist. As a key member of the healthcare team, Radiation Therapists use various forms of radiation, such as high-energy X-rays and electron beams, to treat cancer patients. The program provides students with extensive knowledge of radiation therapy procedures, treatment planning, and imaging technologies. In addition, students develop cognitive skills such as critical thinking, problem-solving, and effective communication with patients, their families, and other healthcare professionals.

GENERAL EDUCATION REQUIREMENTS (15.00 Credits)

COMMUNICATIONS (3.00 credits)

ENC 1101	English Composition 1	(3 credits)	Prerequisite: Student must meet the Developmental Education reading and writing requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption).
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HUMANITIES (3.00 credits)

ARH 1000	Art Appreciation	(3 credits)	
HUM 1020	Humanities	(3 credits)	
LIT 2000	Introduction to Literature	(3 credits)	
MUL 1010	Music Appreciation	(3 credits)	
PHI 2010	Introduction to Philosophy	(3 credits)	Prerequisite: ENC 1101
THE 2000	Theatre Appreciation	(3 credits)	

MATHEMATICS (3.00 credits)

MAC*		(3 credits)	
MGF*		(3 credits)	Prerequisite: Student must meet the Developmental Education reading and writing requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption).

NATURAL SCIENCE (3.00 credits)

BSC 2085	Human Anatomy and Physiology 1	(3 credits)	Corequisite: BSC 2085L
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SOCIAL SCIENCE (3.00 credits)

AMH 2010	History of the US to 1877	(3 credits)
AMH 2020	History of the US since 1877	(3 credits)
POS 2041	American Federal Government	(3 credits)

COMPUTER COMPETENCY

Test type(s) needed:

Computer Competency Test (CCT)

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CGS 1060C Introduction to Computer Technology & Applications

SCIENCE REQUIREMENTS (5.00 Credits)

BSC 2085L	Human Anatomy and Physiology 1 Laboratory	(1 credits)	Corequisite: BSC 2085
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BSC 2086	Human Anatomy & Physiology 2	(3 credits)	Prerequisite: BSC 2085; Corequisite: BSC 2086L
BSC 2086L	Human Anatomy & Physiology 2 Laboratory	(1 credits)	Prerequisites: BSC 2085, BSC 2085L; Corequisite: BSC 2086
MAJOR CORE REQUIREMENTS (54.00 credits)			
RAT 1001	Introduction to Radiation Oncology	(2 credits)	Corequisites: RAT 1615, RAT 1804, RAT 2123
RAT 1021C	Principles and Practices of Radiation Therapy I	(2 credits)	Corequisites: RAT 1242, RAT 1614C, RAT 1615, RAT 1814, RAT 1840
RAT 1242	Clinical Oncology and Pathology	(2 credits)	Prerequisites: RAT 1001, RAT 2123
RAT 1614C	Radiation Therapy Physics I	(2 credits)	Corequisites: RAT 1021C, RAT 1242, RAT 1814, RAT 1840
RAT 1615	Radiation Therapy Medical Imaging	(3 credits)	Corequisites: RAT 1001, RAT 1615, RAT 2123
RAT 1619	Elements of Treatment Planning	(2 credits)	Corequisites: RAT 2061, RAT 2241, RAT 2834
RAT 1657	Radiation Protection/ Quality Assurance	(1 credit)	
RAT 1804	Clinical Education I	(5 credits)	Corequisites: RAT 1001, RAT 1615, RAT 2123
RAT 1814	Clinical Education II	(5 credits)	Prerequisite: RAT 1804
RAT 1824	Clinical Education III	(8 credits)	Prerequisite: RAT 2243C; Corequisites: RAT 1657, RAT 2022C, RAT 2243C, RAT 2618C
RAT 2022C	Principles and Practices of Radiation Therapy II	(2 credits)	Prerequisite: RAT 1021C; Corequisites: RAT 1657, RAT 1824, RAT 2243C, RAT 2618C
RAT 2061	Radiation Therapy Seminar	(3 credits)	Corequisites: RAT 1619, RAT 2241, RAT 2834
RAT 2123	Patient Care in Radiation Therapy	(3 credits)	Corequisites: RAT 1001, RAT 1615, RAT 1804
RAT 2240C	Radiation Oncology Sectional Anatomy	(1 credits)	Prerequisites: BSC 2085, RAT 2085L, RAT 2086, RAT 2086L
RAT 2241	Radiobiology	(2 credits)	Prerequisite: RAT 1001
RAT 2243C	Clinical Oncology and Neoplasms	(3 credits)	Prerequisite: RAT 1242; Corequisites: RAT 1657, RAT 1824, RAT 2022C, RAT 2618C
RAT 2618C	Radiation Therapy Physics II	(2 credits)	Prerequisite: RAT 1614C; Corequisites: RAT 1657, RAT 1824, RAT 2022C, RAT 2243C
RAT 2834	Clinical Education IV	(6 credits)	Prerequisite: RAT 1824; Corequisites: RAT 1619, RAT 2061, RAT 2241
ELECTIVE (3.00 Credits)			
HIM 2472	Medical Terminology	(3 credits)	