

Radiation Therapy Technology

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 82

LIMITED ENTRY

DEGREE CODE: RADTHR-AAS

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

DESCRIPTION

The Radiation Therapy Associate of Applied Science degree program prepares graduates to work with the Radiation Oncologist in delivering daily doses of ionizing radiation for cancer treatment. Graduates are eligible to sit for the National examination for the American Registry of Radiologic Technologist Certification in Radiation Therapy. A limited entry program; students must attend a health programs orientation and meet with the Health Programs Advisor for additional counseling.

STUDENT LEARNING OUTCOMES

- Demonstrate the ability to pass the ARRT national accreditation examination.
- Demonstrate basic knowledge of what cancer is and how cancer is treated.
- Demonstrate competency in the operation of linear accelerator and performance of emergency procedures.
- Demonstrate the ability to pursue opportunities in management after sufficient clinical experience has been earned.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (31 CREDITS)**MATHEMATICS (3 credits)**

MATH 116 or above (except MATH 122, 123)

ENGLISH COMPOSITION (3-5 credits)

See AAS policy p. 46 for courses

COMMUNICATIONS (3 credits)

BUS 108; COM 101, 102, 115, 215; ENG 102, 114, 205; JOUR 102; THTR 105

HUMAN RELATIONS (3 credits)

ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130, 135B, 265B; MGT 100B, 283; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above

NATURAL SCIENCE (12 credits)

BIOL 223 and 224; and either EGG 131 and EGG 131L; or PHYS 110 or above

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

Recommended: PSY 101 General Psychology

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (51 CREDITS)

RDTP 101B	Introduction to Radiation Therapy	2
RDTP 102B	Methodologies I	2
RDTP 103B	Introduction to Oncology	1
RDTP 105B	Principles and Practice of Radiation Therapy	2
RDTP 115B	Caring for the Patient at the End of Life	1
RDTP 125B	Radiographic Process	2
RDTP 150B	Introduction to Radiation Physics	2
RDTP 180B	Radiobiology	3
RDTP 202B	Radiotherapy Physics	3
RDTP 210B	Treatment Planning I	3
RDTP 211B	Radiographic Analysis	2
RDTP 212B	Cross Sectional, Topographic and Radiological Anatomy	2
RDTP 213B	Radiation Oncology	3
RDTP 214B	Methodologies II	2
RDTP 215B	Treatment Planning II	3
RDTP 216B	Methodologies III	2
RDTP 219B	Advanced Radiation Therapy Techniques	2
RDTP 220B	Treatment Planning Lab	1
RDTP 221B	Ethics/Law/Professionalism	2
RDTP 229B	Radiation Therapy Board Review	1
RDTP 230B	Clinical Applications I	1
RDTP 231B	Clinical Applications II	1
RDTP 232B	Clinical Practicum III	3
RDTP 233B	Clinical Practicum IV	1
RDTP 234B	Clinical Practicum V	4

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



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FULL-TIME STUDENT DEGREE PLAN

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 46	3-5
BIOL 223 Human Anatomy and Physiology I	4
EGG 131 and EGG 131L; or PHYS 110 or above	4
TOTAL CREDITS	14-16
SECOND SEMESTER	Credits
Complete Communications (see courses previous page)	3
Complete Human Relations (see courses previous page)	3
RDTP 101B Introduction to Radiation Therapy	2
RDTP 103B Introduction to Oncology	1
RDTP 105B Principles and Practice of Radiation Therapy	2
RDTP 125B Radiographic Process	2
RDTP 150B Introduction to Radiation Physics	2
RDTP 230B Clinical Applications I	1
TOTAL CREDITS	16
THIRD SEMESTER	Credits
BIOL 224 Human Anatomy and Physiology II	4
RDTP 102B Methodologies I	2
RDTP 115B Caring for the Patient at the End of Life	1
RDTP 210B Treatment Planning I	3
RDTP 211B Radiographic Analysis	2
RDTP 220B Treatment Planning Lab	1
RDTP 221B Ethics/Law/Professionalism	2
RDTP 231B Clinical Applications II	1
TOTAL CREDITS	16
FOURTH SEMESTER	Credits
RDTP 232 Clinical Practicum III	3
TOTAL CREDITS	3
FIFTH SEMESTER	Credits
PSY 101 General Psychology	3
RDTP 202B Radiotherapy Physics	3
RDTP 213B Radiation Oncology	3
RDTP 214B Methodologies II	2
RDTP 215B Treatment Planning II	3
RDTP 219B Advanced Radiation Therapy Techniques	2
RDTP 233B Clinical Practicum IV	1
TOTAL CREDITS	17
SIXTH SEMESTER	Credits
PSC 101 Introduction to American Politics	4
RDTP 180B Radiobiology	3
RDTP 212B Cross Sectional, Topographic and Radiological Anatomy	2
RDTP 216B Methodologies III	2
RDTP 229B Radiation Therapy Board Review	1
RDTP 234B Clinical Practicum V	4
TOTAL CREDITS	16
DEGREE PLAN TOTAL CREDITS	82-84

