

Technology Delivered Degrees/Weber State University BS Completion, Advanced Radiography

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Program Description: This program is designed to fulfill the continuing education needs of the registered technologist. To obtain a certificate of completion for additional skills in a specialized area, complete the requirements for any of the listed emphases.

Admission Requirements: An associate's degree in an appropriate discipline. Students may need to take pre-specialization Radiography classes. Transfer credit or previous coursework must be evaluated before admission is approved. Students wishing to transfer less than 30 credits must submit high school transcripts, ACT/SAT scores, and an admissions application. Student must be a Registered Radiologic Technologist (RT) or equivalent as determined by the Departments of Radiologic Sciences or Health Administrative Services. Students can contact their academic advisors in Radiologic Sciences to identify acceptable equivalents for some courses in this degree program.

Graduation Requirements: A minimum of 120 semester credit hours with a minimum cumulative GPA of 2.0. Must fulfill WSU's general education requirements.

Real Time Requirements: None.

Delivery Formats Used/Semesters Delivered: WSU offers classes online. See grid below for details or visit <http://wsuonline.weber.edu>

Required Courses						
Course Number	Course Title	Cr Hr	GenEd Status	Delivery Format	Semesters Offered	Prerequisites
Advanced Radiography Emphasis						
<i>Required Courses (17 Credit Hours)</i>						
RAD TEC DV3003	Psych-Social Medicine	3	IR	IS	O	
RAD TEC 3043	Medical Ethics & Law	3		IS	O	
RAD TEC 3423	Federal Regulations	3		IS	O	
RAD TEC 4203	Patient Education in Radiology	3		IS	O	
RAD TEC 4933	Research Methods	2		IS	O	
RAD TEC SI4943	Baccalaureate Thesis	3	IR	IS	ARR	
<i>Elective Courses (22-30 Credit Hours) *Elective courses must have approval of a faculty advisor</i>						
RAD TEC 3123	Sectional Anatomy	3		IS	O	
RAD TEC 3143	Imaging Pathophysiology	3		IS	O	
RAD TEC 3243	Patient Care & Assessment II	3		IS	O	
RAD TEC 3253	Patient Care & Assessment III	3		IS	O	
RAD TEC 3263	Diagnostic Services Pharmacology II	3		IS	O	
RAD TEC 3403	Radiobiology & Health Physics	3		IS	O	
RAD TEC SI3443	Quality Assurance in Radiology	3		IS	O	
RAD TEC 3463	Computerized Imaging	3		IS	O	
RAD TEC 4213	Supervision & Staff Development	3		IS	O	
RAD TEC 4223	Promotional Strategies	3		IS	O	
RAD TEC 4233	Fiscal Analysis in Radiology	3		IS	O	
RAD TEC 4243	Quality Management in Radiology	3		IS	O	
RADTEC 4253	Risk Management	3		IS	O	
RAD TEC 4303	Cardiology	3		IS	O	
RAD TEC 4403	Imaging Pathology	3		IS	O	
RAD TEC 4803	Individual Research	3		IS	O	
RAD TEC 4833	Directed Readings & Research	3		IS	O	
RAD TEC 4942	Current Trends & Issues	2		IS	O	
RAD TEC 4992	Seminars	2		IS	ARR	
Cardiovascular-Interventional Technology (CIT) Emphasis						

<i>Prerequisite Courses (6 Credit Hours)</i>						
RAD TEC 3243	Patient Care & Assessment II	3		IS	0	
RAD TEC 3403	Radiobiology & Health Physics	3		IS	0	
<i>Required Courses (14 Credits Hours)</i>						
RAD TEC 4313	Visceral, Pelvic & Extremity Angiography	3		IS	0	
RAD TEC 4333	Head & Neck Angiography	3		IS	0	
RAD TEC 4343	Thoracic & Venous Procedures	3		IS	0	
RAD TEC 4933	Research Methods	3		IS	0	
RAD TEC SI4943	Baccalaureate Thesis	3	IR	IS	0	
<i>Support Courses for CIT (30 Credit Hours)</i>						
RAD TEC 3043	Medical Ethics & Law	3		IS	0	
RAD TEC 3123	Sectional Anatomy	3		IS	0	
RAD TEC 3143	Imaging Pathophysiology	3		IS	0	
RAD TEC 3253	Patient Care & Assessment III	3		IS	0	
RAD TEC 3263	Diagnostic Services Pharmacology II	3		IS	0	
RAD TEC 3463	Computerized Imaging	3		IS	0	
RAD TEC 4203	Patient Education in Radiology	3		IS	0	
RAD TEC 4303	Cardiology	3		IS	0	
RAD TEC 4913	Comprehensive Review/CIT	2		IS	0	
Magnetic Resonance Imaging (MRI) and/or Computed Tomography (CT)						
<i>Emphasis Prerequisites for both MRI and CT (6 Credit Hours)</i>						
RAD TEC 3243	Patient Care & Assessment II	3		IS	0	
RAD TEC 3403	Radiobiology and Health Physics	3		IS	0	
<i>Support Courses for CT and MRI (24 credit hours)</i>						
RAD TECH 3043	Medical Ethics and Law	3		IS	0	
RAD TECH 3123	Sectional Anatomy	3		IS	0	
RAD TECH 3143	Imagine Pathophysiology	3		IS	0	
RAD TECH 3253	Patient Care & Assessment III	3		IS	0	
RAD TECH 3403	Radiobiology and Health Physics	3		IS	0	
RAD TECH 3463	Computerized Imaging	3		IS	0	
RAD TECH 4203	Patient Education in Radiology	3		IS	0	
RAD TECH 4303	Cardiology	3		IS	0	
Computed Tomography Emphasis						
<i>Required Courses (16 Credit Hours)</i>						
RAD TEC 4613	CT Imaging of the Torso & Limbs	3		IS	0	
RAD TEC 4653	CT Imaging of the CNS	3		IS	0	
RAD TEC 4663	CT Physics & Instrumentation	3		IS	0	
RAD TEC 4911	Comprehensive Review/CT	2		IS	0	
RAD TEC 4933	Research Methods	2		IS	0	
RAD TEC SI4943	Baccalaureate Thesis	3	IR	IS	ARR	
Magnetic Resonance Imaging (MRI) Emphasis						
<i>Required Courses (19 Credit Hours)</i>						
RAD TEC 4603	MRI Physics & instrumentation	3		IS	0	
RAD TEC 4623	Functional Imaging & Spectroscopy	3		IS	0	
RAD TEC 4633	MRI Imaging of the CNS	3		IS	0	
RAD TEC 4643	MRI Imaging of the Torso and Limbs	3		IS	0	
RAD TEC 4912	Comprehensive Review/MRI	2		IS	0	
RAD TEC 4933	Research Methods	2		IS	0	
RAD TEC SI4943	Baccalaureate Thesis	3	IR	IS	ARR	
Mammography Emphasis						
<i>Required Courses (16 Credit Hours)</i>						
RAD TEC 4553	Breast Anatomy, Physiology and Pathology	3		IS	0	
RAD TEC 4563	Mammographic Positioning/Imaging Techniques	3		IS	0	
RADTEC 4572	Patient Education and Clinical Assessment	2		IS	0	
RAD TEC 4583	Mammographic Equipment and Quality Assurance	3		IS	0	

RAD TEC SI4943	Baccalaureate Thesis	3	IR	IS	ARR	
<i>Support Courses (12 Credit Hours)</i>						
RAD TEC DV3003	Psycho-Social Medicine	3	IR	IS	O	
RAD TEC 3043	Medical Ethics and Law	3		IS	O	
RAD TEC 3423	Federal Regulations	3		IS	O	
RAD TEC 4203	Patient Education in Radiology	3		IS	O	
<i>Elective Courses</i>						
RAD TEC 4833	Directed Reading and Research	3		IS	O	
RAD TEC 4914	Comprehensive Review/ Mammography	3		IS	O	
RAD TEC 4992	Seminar	2		IS	ARR	
Quality Management Emphasis						
<i>Support Courses (52 Credit Hours)*Please not that students can contact their academic advisors in radiologic sciences to identify acceptable equivalents for some courses in this degree program.</i>						
RAD TEC 3043	Medical Ethics and Law	3		IS	O	
RAD TEC 3143	Imaging Pathophysiology	3		IS	O	
RAD TEC 3243	Patient Care and Assessment II	3		IS	O	
RAD TEC 3253	Patient Care and Assessment III	3		IS	O	
RAD TEC 3263	Diagnostic Services Pharmacology II	3		IS	O	
RAD TEC 3403	Radiobiology & Health Physics	3		IS	O	
RAD TEC 3423	Federal Regulation	3		IS	O	
RAD TEC SI3443	Quality Assurance in Radiology	3	IR	IS	O	
RAD TEC 3463	Computerized Imaging	3		IS	O	
RAD TEC 4203	Patient Education in Radiology	3		IS	O	
RAD TEC 4213	Supervision and Staff Development	3		IS	O	
RAD TEC 4233	Fiscal Analysis in Radiology	3		IS	O	
RAD TEC 4243	Quality Management in Radiology	3		IS	O	
RAD TEC 4253	Risk Management	3		IS	O	
RAD TEC 4915	Comprehensive Review/QM	3		IS	O	
RAD TEC 4933	Research Methods	2		IS	O	
RAD TEC SI4943	Baccalaureate Thesis	2	IR	IS	ARR	

LEGEND General Education Status: C – Composition AI – American Institutions OR – Quantitative Reasoning FA – Fine Arts SS – Social Science H – Humanities LS & PS – Life and Physical Science IR – Institutional Requirement **Delivery Format:** I – Internet) IS – Independent Study **Semesters:** S – Spring U – Summer F – Fall O – Open Entry/Open Exit – register year-round; students have six months to complete the class. ALL – Generally offered all semesters ARR -- Offered at least once every three years, more frequently depending on demand; see advisor for current annual schedule.