

Curriculum Vitae

Brian Spence, MSRS, RT(R)

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EDUCATION:

M.S. Radiologic Sciences, (December 2016) Midwestern State University, Wichita Falls, TX 76308

Specialization: Radiologic Science Education

Thesis Title: The Use of Learning Stations in Radiologic Science Education

B.S. Radiologic Sciences, (August 2007) Florida Hospital College of Health Sciences, Orlando, FL 32803

A.A.S. Radiologic Technology, (May 2001) Tarrant County College, Hurst, TX, 76054

PROFESSIONAL INTERESTS:

- Active Learning
- Collaborative Learning
- Instructional technology

PROFESSIONAL EXPERIENCE:

Program Director, December 2015 onwards

Division of Health Sciences, Radiologic Technology Program
Tarrant County College, Fort Worth, TX 76102

Courses Taught: RADR 1201 – Introduction to Radiography
RADR 1311 – Basic Radiographic Procedures
RADR 1313 – Principles of Imaging I
RADR 1266/1267/1366/2366/2367 – Clinical Practicum
RADR 2305 – Principles of Imaging II
RADR 2209 – Radiographic Equipment
RADR 2235 – Seminar

Responsibilities: Radiation Safety Officer

Assistant Professor, September 2011 to December 2015

Dept. of Allied Health, Radiologic Technology Program

Tarrant County College, Fort Worth, TX 76102

Courses Taught: RADR 1201 – Introduction to Radiography
RADR 1311 – Basic Radiographic Procedures
RADR 1313 – Principles of Imaging I
RADR 1266/1267/1366/2366/2367 – Clinical Practicum
RADR 2301 – Intermediate Radiographic Procedures
RADR 2305 – Principles of Imaging II
RADR 2331 – Advanced Radiographic Procedures
HPRS 1206 – Essentials of Medical Terminology
HPRS 2201 – Pathophysiology

Responsibilities: Radiation Safety Officer

Adjunct Instructor, August 2009 onwards

Dept. of Health Sciences

Weatherford College, Weatherford, TX 76086

Courses Taught: HPRS 1206 – Medical Terminology

Adjunct Faculty, Spring 2019, Spring 2020, Summer 2022

Dept. of Radiologic Sciences

MSU Texas, Wichita Falls, TX 76008

Courses Taught: RADS 3203 – Pathophysiology

Instructor, March 2010 to September 2011

Radiologic Technology Program

Kaplan College, Grand Prairie, TX 75050

Courses Taught: Radiographic Positioning
Clinical Practicum
Radiation Protection and Biology
Medical Terminology

Instructor, May 2008 to August 2009

Radiologic Technology Program

Career Centers of Texas, Fort Worth, TX 76104

Courses Taught: Radiographic Positioning
Clinical Practicum
Radiation Protection and Biology

Radiologic Technologist, July 2001 to May 2008

Urology Associates of North Texas

1301 W. Terrell Ave., Fort Worth, TX 76104

Responsibilities: - Performed radiographic and CT examinations
- Educated patients and staff regarding radiology protocols

PUBLICATIONS:

Authored “Using Manipulatives to Help Students Learn the Effects of kVp and mAs” (accepted for publication by the American Society of Radiologic Technologists)

Authored “Using the Anatomage Table in Radiography Education” (accepted for publication by the American Society of Radiologic Technologists)

Authored “Using a Repeat Analysis Project in Radiography Education” (published by the American Society of Radiologic Technology)

Co-authored “Using a Mock Interview Project to Improve Radiologic Students’ Interviewing and Resume Skills” (published by the American Society of Radiologic Technology)

Authored “A Hands On Activity to Enhance Student Learning of Grid Characteristics” (published by the American Society of Radiologic Technology)

Authored “Using Modeling Compounds to Help Radiologic Science Students Learn Anatomy” in *Radiologic Technology* (published by the American Society of Radiologic Technologists)

Authored “Using a Virtual Scavenger Hunt to Engage Radiologic Science Students in an Online Course” in *Radiologic Technology* (published by the American Society of Radiologic Technologists)

Co-authored “Promoting Self-Reflection Among Undergraduate Radiologic Science Students Using a Post Exam Review Activity” in *Radiologic Science and Education* (published by the Association of Educators in Imaging and Radiologic Sciences)

Authored “The Effects of Interactive Quizzing with Kahoot! on Student Learning and Satisfaction: A Pilot Study” in *Radiologic Science and Education* (published by the Association of Educators in Imaging and Radiologic Sciences)

Authored “Using a Bloom’s Taxonomy Matrix to Reach Higher Level Objectives” in *Radiologic Technology* (published by the American Society of Radiologic Technologists)

Authored “Practical Applications in Radiography Education” in *Radiologic Technology* (published by the American Society of Radiologic Technologists)

Authored “Using Manipulatives to Teach Digital Image Histograms” in *Radiologic Technology* (published by the American Society of Radiologic Technologists)

Authored “The Use of Collaborative Concept Mapping in an Image Evaluation Course: A Pilot Study” in *Radiologic Technology* (published by the American Society of Radiologic Technologists)

Co-authored “Virtual Simulation in Radiologic Science Education” in *Radiologic Technology* (published by the American Society of Radiologic Technologists)

Co-authored “Teaching Stomach Imaging to Radiography Students” in *Radiologic Technology* (published by the American Society of Radiologic Technologists)

Authored “The Effects of Interactive Quizzing with Kahoot on Student Learning and Satisfaction” (internal publication titled “*Mastery of Teaching Institute Journal of Research in Education*” by Tarrant County College)

Authored “Styrofoam Head Models: A Tool for Learning Positioning and Anatomy” in *Radiologic Technology* (published by the American Society of Radiologic Technologists)

Authored “Effective Teaching and Learning Tools Using Microsoft Word” in *Spectrum* (published by the Association of Educators in Imaging and Radiologic Science)

Authored “New Tools for Teaching” in *Scanner* (published by the American Society of Radiologic Technologists)

Co-authored “Concept Mapping in Radiologic Science Education” in *Radiologic Technology* (published by the American Society of Radiologic Technologists)

PROFESSIONAL MEMBERSHIPS:

Faculty sponsor for Tarrant County College’s Tau Chi Chapter of the Lambda Nu National Honor Society for Radiologic and Imaging Sciences
American Society of Radiologic Technologists (2008 and onwards)
Association of Educators in Imaging and Radiologic Sciences (2014-2017)
Texas Society of Radiologic Technologists (2011 and onwards)
North Texas Radiologic Technologists Society (2011 and onwards)

PROFESSIONAL CERTIFICATION AND LICENSURE:

American Registry of Radiologic Technologists (2001 and onwards)
Texas Medical Board Radiologic Technologist Licensure (2001 and onwards)

HONORS AND AWARDS:

Presented at the Association of Collegiate Educators in Radiologic Technology 2023 Annual Conference on “Using Graphic Organizers to Facilitate Learning in Radiation Physics”
Presented for the American Society of Radiologic Technologists’ January 2023 Live Cast on “An Overview of Urinary System Anatomy, Pathophysiology, and Procedures”
Completed the TCCD Engaged Learning Institute in 2022
Finalist for 2022 Tarrant County College Chancellor’s Award for Exemplary Teaching for Trinity River Campus
Presented at North Texas Radiologic Technologists Society 2022 “Summer Blowout” event on “The Quest for Quality”

Presented at Texas Society of Radiologic Technologists 2022 Annual Meeting on “The Quest for Quality”

Presented at Association of Collegiate Educators in Radiologic Technology Annual Meeting in 2018 on “Using Concept Mapping in Radiologic Science Education”

Received tenure at Tarrant County College

Selected to the Radiologic Technology Program of Study Subcommittee by the Texas Higher Education Coordinating Board

Presented at Tarrant County College Trinity River Campus’ Conference on “The Use of Learning Stations in Higher Education”

Participated in Tarrant County College’s Mastery of Teaching Institute for 2016

Presented at Anatomage 2016 Users Group Meeting on “The Use of the Anatomage Table in the Community College Setting”

Presented a scientific poster on “The Use of Learning Stations in Radiologic Science Education” at the Association of Educators in Imaging and Radiologic Sciences 2016 Annual Meeting

Inducted into the Texas Xi Chapter of Lambda Nu National Honor Society in April 2016

Inducted into the Texas Alpha Gamma Chapter of the Alpha Chi National College Honor Society in April 2016

Selected for Who’s Who Among Students For American Colleges and Universities for Midwestern State University – March 2016

Invited to join Midwestern University Chapter of the Golden Key International Honor Society in March 2016

Named Top 25 Radiologic Technologist in November 2014 by the North Texas Radiologic Technologists Society

Selected to participate in the American Society of Radiologic Technologists’ 2014 Leadership Academy for Educators

SERVICE ACTIVITIES:

Demonstrate Anatomage Table for campus tours	2015-current
Faculty Development and Leave Committee	2022-current
Mentored students for the American Society of Radiologic Technologists	2021-2022
TCC Foundation Scholarship Selection Committee	2021
Interview Committee Chair for Radiologic Technology Program Faculty	2021
Article reviewer for the American Society of Radiologic Technologists	2020-current
District Hearing Committee	2020-current
Interview Committee Chair for Vascular Interventional Radiology Faculty	2019
Interview Committee Chair for Radiologic Technology Program Faculty	2018
THECB Radiologic Technology Program of Study Subcommittee	2017
Member of Organization, Development, and Marketing Committee for TSRT	2017
Chair of Interview Committee for Radiologic Technology Program Faculty	2016
Portfolio evaluator for nominees of Chancellor’s Exemplary Teaching Award	2016
Chair of Interview Committee for CT Coordinator	2016

Chair of Interview Committee for Radiologic Technology Program Instructor	2016
Interview Committee for Surgical Technology Program Instructor	2015
Interview Committee for Director of Health Science	2014
E-Learning Faculty Advisory Committee	2014
Train faculty on the use of the Anatomage Table	2014-current