# Radiologic Science Career Pathway Map

**RECOMMENDED COURSE SEQUENCE**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Area Shown on Page 2</th>
<th>Semesters Offered</th>
<th>My Plan (Semester and Year)</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. MDCA 1313</td>
<td>Medical Terminology</td>
<td>F, Sp, Su</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. ENGL 1301</td>
<td>Composition I</td>
<td>F, Sp, Su</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. BIOL 2401</td>
<td>Human Anatomy and Physiology I</td>
<td>GE NS&amp;M @ F, Sp, Su</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. BIOL 2402</td>
<td>Human 2401 Human Anatomy and Physiology II</td>
<td>GE NS&amp;M @ F, Sp, Su</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. MATH 1322</td>
<td>Contemporary Mathematics</td>
<td>GE NS&amp;M @ F, Sp, Su</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. PSYC 2314</td>
<td>Lifespan Growth and Development</td>
<td>GE S&amp;B $ F, Sp, Su</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. MUSI 1306</td>
<td>Music Appreciation*</td>
<td>GE H&amp;FA I F, Sp, Su</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. RADR 1201</td>
<td>Intro to Radiography!</td>
<td>F, Sp</td>
<td>2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **CAREER OPPORTUNITIES**

Radiology, Computed Tomography, Nuclear Medicine, Radiologist Registered Assistant, Magnetic Resonance Imaging, Radiation Therapy, Cardiac Interventional Radiography, Vascular Interventional Radiography, Bone Densitometry, Mammography

Some credentials require formal education beyond entry level for eligibility.

Salary Information:

- **ADVANCED DEGREES/CREDENTIAL OPPORTUNITIES**

Radiology Manager, Educator, Radiology Information System Manager, Equipment and Pharmaceutical Sales

**LINKS TO COLLEGES AND PROFESSIONAL ORGANIZATIONS:**

Midwestern State University (MSU), BSRS Radiologic Science: [https://mwsu.edu/academics/hs2/radsci/index](https://mwsu.edu/academics/hs2/radsci/index)


The American Registry of Radiologic Technologists (ARRT): [https://www.arrt.org/about/credential-options](https://www.arrt.org/about/credential-options)

Texas Medical Board (TMB), Medical Radiologic Technologist (MRT): [http://www.tmb.state.tx.us](http://www.tmb.state.tx.us)

- **CONTACT INFORMATION**

(Check link for KC Digital Map)

Courtney Akvan
Program Director
BLDG #25, Room #138D
903-988-7493
cakvan@kilgore.edu

Nancy Lamouroux
Clinical Coordinator
BLDG #29, Room #138A
903-983-8436
nlamouroux@kilgore.edu

**RECOMMENDED COURSE SEQUENCE**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Area Shown on Page 2</th>
<th>Semesters Offered</th>
<th>My Plan (Semester and Year)</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>9. RADR 1203</td>
<td>Patient Care</td>
<td>F</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. RADR 1411</td>
<td>Basic Radiographic Procedures</td>
<td>F</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. RADR 1313</td>
<td>Principles of Radiographic Imaging I</td>
<td>Sp</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12. RADR 2309</td>
<td>Radiographic Imaging Equipment!</td>
<td>Sp</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13. RADR 2217</td>
<td>Radiographic Pathology</td>
<td>Sp</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. RADR 1266</td>
<td>Practicum I</td>
<td>Sp</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15. RADR 1166</td>
<td>Practicum II</td>
<td>Su</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16. RADR 1167</td>
<td>Practicum III</td>
<td>Su</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17. RADR 1202</td>
<td>Radiographic Image Evaluation</td>
<td>Su</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18. RADR 2331</td>
<td>Advance Radiographic Procedures</td>
<td>F</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19. RADR 2313</td>
<td>Radiation Biology and Protection</td>
<td>F</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20. RADR 2366</td>
<td>Practicum IV</td>
<td>F</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21. RADR 2205</td>
<td>Principles of Radiographic Imaging II</td>
<td>Sp</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22. RADR 2233</td>
<td>Advance Medical Imaging</td>
<td>Sp</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>23. RADR 2367</td>
<td>Practicum V</td>
<td>Sp</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>24. RADR 2235</td>
<td>Seminar (Capstone)</td>
<td>Su</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25. RADR 2167</td>
<td>Practicum V</td>
<td>Su</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **NOTES**

Check with the Office of Financial Aid as aid may not be available beyond degree completion and/or 60 hours.

**CAREER PATHWAY MAP**

- **READ ALL NOTES CAREFULLY:**
  a) Courses in **bold** have a prerequisite (previous course required). See Catalog
  b) Courses in *italics* can be taken in any order.
  c) ENGL 1301 and the first MATH class may require a co-requisite and/or developmental course depending on TSI Scores.
  d) Refer to KC Catalog for Field of Study and Degree Requirements.

- **** Acceptance to the program is required for eligibility to enroll in RADR courses, with the exception of RADR 1201

- ***** RADR courses will be offered in different semesters depending on program acceptance year

- **** Successful completion of all RADR courses with a “C” or higher is required. After admission to the program, a student must earn a “C” or higher in each RADR course to remain eligible for enrollment in the program and progress to courses listed in the sequence for the next semester

**NOTE:**

- **CAREER OPPORTUNITIES**

Radiology Manager, Educator, Radiology Information System Manager, Equipment and Pharmaceutical Sales

- **ADVANCED DEGREES/CREDENTIAL OPPORTUNITIES**

Radiology Manager, Educator, Radiology Information System Manager, Equipment and Pharmaceutical Sales

- **LINKS TO COLLEGES AND PROFESSIONAL ORGANIZATIONS:**

Midwestern State University (MSU), BSRS Radiologic Science: [https://mwsu.edu/academics/hs2/radsci/index](https://mwsu.edu/academics/hs2/radsci/index)


The American Registry of Radiologic Technologists (ARRT): [https://www.arrt.org/about/credential-options](https://www.arrt.org/about/credential-options)

Texas Medical Board (TMB), Medical Radiologic Technologist (MRT): [http://www.tmb.state.tx.us](http://www.tmb.state.tx.us)

**CONTACT INFORMATION**

Courtney Akvan
Program Director
BLDG #25, Room #138D
903-988-7493
cakvan@kilgore.edu

Nancy Lamouroux
Clinical Coordinator
BLDG #29, Room #138A
903-983-8436
nlamouroux@kilgore.edu

**REVISED JUNE 2022**
Kilgore College Composite List of General Education Courses

! Humanities and Fine Arts
ARTS 1301 (T) - Art Appreciation
ARTS 1303 (T) - Art History I
ARTS 1304 (T) - Art History II
DANC 2303 (T) - Dance Appreciation
DRAM 1310 (T) - Theatre Appreciation
DRAM 2361 - History of the Theatre I
DRAM 2362 - History of the Theatre II
DRAM 2366 (T) - Film Appreciation
ENGL 1302 (T) - Composition II
ENGL 2322 (T) - British Literature I
ENGL 2323 (T) - British Literature II
ENGL 2326 (T) - American Literature
ENGL 2332 (T) - World Literature I
ENGL 2333 (T) - World Literature II
HIST 2311 (T) - Western Civilization I
HIST 2312 (T) - Western Civilization II
HIST 2321 (T) - World Civilizations I
HIST 2322 (T) - World Civilizations II
MUSIC 1306 (T) - Music Appreciation
PHIL 1301 (T) - Introduction to Philosophy
PHIL 2306 (T) - Introduction to Ethics

$ Social and Behavioral Sciences
CRIJ 1301 (T) - Introduction to Criminal Justice
ECON 2301 (T) - Principles of Macroeconomics
ECON 2302 (T) - Principles of Microeconomics
GEOG 1303 (T) - World Regional Geography
GOVT 2305 (T) - Federal Government
GOVT 2306 (T) - Texas Government
HIST 1301 (T) - United States History I
HIST 1302 (T) - United States History II
PSYC 2301 (T) - General Psychology
PSYC 2314 (T) - Lifespan Growth and Development
SOCI 1301 (T) - Introductory Sociology
SOCI 1306 (T) - Social Problems
SOCI 2301 (T) - Marriage and the Family
TECA 1354 (T) - Child Growth and Development

@ Natural Sciences and Mathematics
BIOL 1406 (T) - Biology for Science Majors I
BIOL 1407 (T) - Biology for Science Majors II
BIOL 1408 (T) - Biology for Non-Science Majors I
BIOL 1409 (T) - Biology for Non-Science Majors II
BIOL 2401 (T) - Human Anatomy and Physiology I
BIOL 2402 (T) - Human Anatomy and Physiology II
BIOL 2406 (T) - Environmental Biology
CHEM 1405 (T) - Introductory Chemistry I (lecture + lab)
CHEM 1406 (T) - Introductory Chemistry I (lecture + lab, allied health emphasis)
CHEM 1411 (T) - General Chemistry I (lecture + lab)
CHEM 1412 (T) - General Chemistry II (lecture + lab)
ENVR 1401 (T) - Environmental Science I
GEOL 1301 (T) - Earth Sciences for Non-Science Majors I (lecture)
GEOL 1403 (T) - Physical Geology (lecture + lab)
GEOL 1404 (T) - Historical Geology (lecture + lab)
GEOL 1405 (T) - Environmental Science (lecture + lab)
MATH 1314 (T) - College Algebra
MATH 1316 - Plane Trigonometry
MATH 1324 (T) - Mathematics for Business and Social Sciences
MATH 1325 (T) - Calculus for Business and Social Sciences
MATH 1332 (T) - Contemporary Mathematics
MATH 1342 (T) - Elementary Statistical Methods
MATH 1350 (T) - Mathematics for Teachers I
MATH 1351 (T) - Mathematics for Teachers II
MATH 2412 (T) - Pre-Calculus Math
MATH 2413 (T) - Calculus I
MATH 2414 (T) - Calculus II
MATH 2415 (T) - Calculus III
PHYS 1303 (T) - Stars and Galaxies (lecture)
PHYS 1401 (T) - College Physics I
PHYS 1402 (T) - College Physics II
PHYS 1403 - Stars and Galaxies
PHYS 1404 (T) - Solar System
PHYS 1405 (T) - Elementary Physics I
PHYS 2425 (T) - University Physics I
PHYS 2426 (T) - University Physics II

% Additional Course
An additional course from the lists above or SPCH 1315 or SPCH 1318 or EDUC 1300 or ENGL 2311 or BCIS 1305

Revised June 2022