**RADIOLOGIC SCIENCE: PRE ADMISSION CAREER PATHWAY MAP**

**RECOMMENDED COURSE SEQUENCE**

<table>
<thead>
<tr>
<th>Core Area shown on page 2</th>
<th>Semester S Offered</th>
<th>MY PLAN (Semester and Year)</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. ENGL 1301 Composition II</strong></td>
<td>Core Comm</td>
<td>F, Sp, Su</td>
<td>3</td>
</tr>
<tr>
<td><strong>2. MUSI 1306 Music Appreciation!</strong>*</td>
<td>Core Arts</td>
<td>F, Sp, Su</td>
<td>3</td>
</tr>
<tr>
<td><strong>3. MATH 1332 Contemporary Mathematics!</strong>*</td>
<td>Core Math</td>
<td>F, Sp, Su</td>
<td>3</td>
</tr>
<tr>
<td><strong>4. MDCA 1313 Medical Terminology</strong></td>
<td>Core Spch</td>
<td>F, Sp, Su</td>
<td>3</td>
</tr>
<tr>
<td><strong>5. SPCH 1315 Public Speaking</strong></td>
<td>Core Comp 1 &amp; 2</td>
<td>F, Sp, Su</td>
<td>3</td>
</tr>
<tr>
<td><strong>6. BIOL 2404 Anatomy and Physiology</strong></td>
<td>Core Comp 2 &lt; 15 hours</td>
<td>F, Sp</td>
<td>4</td>
</tr>
<tr>
<td><strong>7. RADR 1201 Intro to Radiography!</strong></td>
<td>Core Science</td>
<td>F, Sp</td>
<td>2</td>
</tr>
<tr>
<td><strong>8. BIOL 2401 Human Anatomy and Physiology II!</strong></td>
<td>Core Science</td>
<td>F, Sp, Su</td>
<td>4</td>
</tr>
<tr>
<td><strong>9. PSYC 2314 Lifespan Growth and Development!</strong></td>
<td>Core S&amp;B</td>
<td>F, Sp, Su</td>
<td>3</td>
</tr>
<tr>
<td><strong>10. RADR 2209 Radiographic Imaging Equipment!</strong></td>
<td>Core Comp 2</td>
<td>F, Sp</td>
<td>2</td>
</tr>
<tr>
<td><strong>11. BIOL 2402 Human Anatomy and Physiology II!</strong></td>
<td>Core Science</td>
<td>F, Sp, Su</td>
<td>4</td>
</tr>
<tr>
<td><strong>12. ENGL 2311 Technical and Business Writing</strong></td>
<td>Core Comm</td>
<td>F, Sp, Su</td>
<td>3</td>
</tr>
<tr>
<td><strong>13. KINE 1306 Safety-First Aid</strong></td>
<td>Core Govt</td>
<td>F, Sp, Su</td>
<td>3</td>
</tr>
<tr>
<td><strong>14. GOVT 2305 Federal Government</strong></td>
<td>Core Govt</td>
<td>F, Sp, Su</td>
<td>3</td>
</tr>
<tr>
<td><strong>15. PHIL 2306 Introduction to Ethics</strong></td>
<td>Core LP&amp;C</td>
<td>F, Sp, Su</td>
<td>3</td>
</tr>
<tr>
<td><strong>16. HIST 1301 United History I</strong></td>
<td>Core History</td>
<td>F, Sp, Su</td>
<td>3</td>
</tr>
<tr>
<td><strong>17. GOVT 2306 Texas Government</strong></td>
<td>Core Govt</td>
<td>F, Sp, Su</td>
<td>3</td>
</tr>
<tr>
<td><strong>18. HIST 1302 United History II</strong></td>
<td>Core History</td>
<td>F, Sp, Su</td>
<td>3</td>
</tr>
<tr>
<td><strong>19. ENGL 1302 Composition II</strong></td>
<td>Core Comp</td>
<td>F, Sp, Su</td>
<td>3</td>
</tr>
<tr>
<td><strong>20. MDCA 1205 Medical Law and Ethics</strong></td>
<td>Core Spch</td>
<td>F, Sp</td>
<td>2</td>
</tr>
</tbody>
</table>

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

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

Salary Information: [https://www.radiologyschools411.com/salaries/](https://www.radiologyschools411.com/salaries/)

**ADVANCED DEGREES/CREDENTIAL OPPORTUNITIES**

*Associate of Science in Radiologic Science *Bachelor of Science in Radiologic Science * Master of Science in Radiologic Science

**LINKS TO COLLEGES AND PROFESSIONAL ORGANIZATIONS:**


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

**CONTACT INFORMATION** (Click link for KC Digital Map)

Courtney Akvan
Program Director
BLDG #29, Room #138D
Phone 903-988-7493
Email cakvan@kilgore.edu

Nancy Lamouroux
Clinical Coordinator
BLDG #29, Room #138A
Phone 903-983-8149
Email nlamouroux@kilgore.edu

*READ ALL NOTES CAREFULLY:*

a) Courses in **bold** have a pre-requisite (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](https://www.kilgore.edu/campus_life/registration/catalog.php) for Field of Study and Degree Requirements.

* Refer to Core Curriculum and KC Catalog for all possible course options.

**! Courses are required for Rad Science AAS Degree. Completion of these allow students to be more competitive in the application process for admittance to the Radiologic Science Program.

*** Students must be accepted to and successfully complete the AAS degree requirements to be eligible to obtain the appropriate ARRT and TMB credentials required for entry into the career field.

Revised March 2022
Kilgore College Core Curriculum

I Communication (6 hours)
ENGL 1301 (T) - Composition I AND
ENGL 1302 (T) - Composition II OR
ENGL 2311 (T) - Technical and Business Writing

@ Mathematics (3 hours)
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 2412 (T) - Pre-Calculus Math
MATH 2413 (T) - Calculus I
MATH 2414 (T) - Calculus II
MATH 2415 (T) - Calculus III

# Life and Physical Sciences (6 hours)
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 2404 (T) - Anatomy & Physiology
BIOL 2406 (T) - Environmental Biology
ENVR 1401 (T) - Environmental Science I
CHEM 1405 (T) - Introductory Chemistry I
CHEM 1406 (T) - Introductory Chemistry I (allied health emphasis)
CHEM 1411 (T) - General Chemistry I
CHEM 1412 (T) - General Chemistry II
GEOL 1301 (T) - Earth Sciences for Non-Science Majors I (lecture only)
GEOL 1403 (T) - Physical Geology
GEOL 1404 (T) - Historical Geology
GEOL 1405 (T) - Environmental Science
PHYS 1303 (T) - Stars and Galaxies (lecture only)
PHYS 1401 (T) - College Physics I
PHYS 1402 (T) - College Physics II
PHYS 1403
PHYS 1404 (T) - Solar System
PHYS 1405 (T) - Elementary Physics I
PHYS 2425 (T) - University Physics I
PHYS 2426 (T) - University Physics II

$ Language, Philosophy & Culture (3 hours)
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
PHIL 1301 (T) - Introduction to Philosophy
PHIL 2306 (T) - Introduction to Ethics

% American History (6 hours)
HIST 1301 (T) - United States History I
HIST 1302 (T) - United States History II

+ Creative Arts (3 hours)
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 2362
MUSI 1306 (T) - Music Appreciation
MUSI 1307 (T) - Music Literature

/ Social and Behavioral Sciences (3 hours)
ECON 2301 (T) - Principles of Macroeconomics
ECON 2302 (T) - Principles of Microeconomics
GEOG 1303 (T) - World Regional Geography
PSYC 2301 (T) - General Psychology
PSYC 2314 (T) - Lifespan Growth and Development
SOCI 1301 (T) - Introductory Sociology
SOCI 1306 (T) - Social Problems
TECA 1354 (T) - Child Growth and Development

& Component Area Option 1 (3 hours)
SPCH 1315 (T) - Public Speaking
SPCH 1318 (T) - Interpersonal Communication

< Component Area Option 2 (3 hours)
Any additional course listed in the core curriculum above or BCIS 1305 or MATH 1351 or EDUC 1300