# Bachelor of Science in Radiologic Science Degree Plan

## 2020-2021 Catalog

<table>
<thead>
<tr>
<th>Name</th>
<th>Last</th>
<th>First</th>
<th>Mustangs ID#</th>
<th>Must graduate by</th>
<th>Date</th>
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### COMMENTS:
A minimum of 33 advanced (Jr/Sr-level) semester hours is required for the total of 120 semester hours. Courses at MSU beginning with a 3 or 4 are advanced. Students MUST complete 12 semester hours at MSU from a particular catalog to graduate under that catalog. Students should keep a copy of this degree plan on file and update it periodically.

### MAJOR

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Cr. Hrs</th>
<th>Transferred Credits &amp; Substitutions</th>
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<tbody>
<tr>
<td>ARRT REGISTRY</td>
<td>42 42</td>
<td>Major Core (3 hrs)</td>
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<tr>
<td>Statistics/Data Analysis (any level)</td>
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<tr>
<td>RADS 3203 Pathophysiology</td>
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<tr>
<td>RADS 3213 Adv. Clinical Skills</td>
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<tr>
<td>RADS 3503 Research</td>
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<tr>
<td>RADS 3773 Radiobiology &amp; Protec</td>
<td>3</td>
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<tr>
<td>RADS 4633 Cont. Quality Improve</td>
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<tr>
<td>RADS 4643 Health Law</td>
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<tr>
<td>RADS 4913 Applied Research</td>
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<tr>
<td>RADS 3313 Radiation Therapy</td>
<td>3</td>
<td></td>
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<tr>
<td>RADS 3413 Cardio. &amp; Inter. Proc.</td>
<td>3</td>
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<tr>
<td>RADS 3833 Bone Densitometry</td>
<td>3</td>
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<tr>
<td>RADS 4513 Admin &amp; Supervision</td>
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<tr>
<td>RADS 4533 Informatics and Imaging</td>
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<tr>
<td>RADS 4703 Principles of CT</td>
<td>3</td>
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<tr>
<td>RADS 4723 CT-Physics</td>
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<tr>
<td>RADS 4733 Sectional Anatomy</td>
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<tr>
<td>RADS 4743 MRI</td>
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<tr>
<td>RADS 4753 Mamography</td>
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<tr>
<td>RADS 4763 Mammo Quality Practice</td>
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<tr>
<td>RADS 4773 MRI Applications</td>
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<td>RADS 4813 Teaching Strategies</td>
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<tr>
<td>RADS 4853 Forensic Medical Imag</td>
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<tr>
<td>RADS 4903 Selected Topics</td>
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<tr>
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### SUMMARY OF WORK REQUIRED FOR DEGREE

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<tr>
<td>BASIC CORE</td>
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<tr>
<td>TOTAL</td>
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</table>

* A minimum of 33 advanced (Jr/Sr-level) semester hours is required.

**IMPORTANT:** MUST TAKE AT LEAST 30 HOURS FROM MSU

### SIGNATURES

I have read and understood the degree plan and the requirements of the catalog.

Advisor –

Chair, Radiologic Sciences

Dean, College of Health Sciences and Human Services

Student

Distribution: Registrar, File, Student, VA
Communication - 6 semester hours
• 3 hours of academic writing and research
  • ENGL 1103 Intro to Communication
  • SPCH 1103 Intro to Communication
• ENGL 1123 Rhetoric & Composition (TCCN: ENGL 1302)
• ENGL 1143 Academic Research & Writing¹
• 3 hours from the following list of options
  • ENGL 1153 Intro to Reading & Writing about Literature
  • ENGL 2123 Rhetoric, Visuals, and Infographics
  • ENGL 2203 Intro to Professional Writing¹
  • MCOM 1243 Media Writing and Reporting
  • MCOM 2403 Social Media
  • SPCH 1133 Fund. of Speech Communication
  • SPCH 2423 Interpersonal Communication

Mathematics - 3 semester hours
• MATH 1053 Contemporary Mathematics (TCCN: MATH 1332)
• MATH 1203 Mathematical Analysis for Business (TCCN:MATH 1324)
• MATH 1233 College Algebra (TCCN: MATH 1314)
• MATH 1534 Precalculus (TCCN: MATH 2412)
• MATH 1634 Calculus I (TCCN: MATH 2413)

Life & Physical Sciences - 6 semester hours
• BIOL 1023 Introduction to Global Biology
• BIOL 1103 Introduction to Biology
• BIOL 1133 Anatomy & Physiology I
• BIOL 1134 Anatomy & Physiology I (TCCN: BIOL 2401)
• BIOL 1144 Gen Zoology (TCCN: BIOL 1413)
• BIOL 1233 Anatomy & Physiology II
• BIOL 1234 Anatomy & Physiology II (TCCN: BIOL 2402)
• BIOL 1544 Gen Botany (TCCN: BIOL 1411)
• CHEM 1103 Introductory Chemistry (TCCN: CHEM 1305)
• CHEM 1143 Gen Chemistry I (TCCN: CHEM 1311)
• CHEM 1243 Gen Chemistry II (TCCN: CHEM 1312)
• CHEM 1303 Gen Organic Biological Chem (TCCN: CHEM 1306)
• ENSC 1114 Foundations of Environmental Science (TCCN: ENVR 1401)
• GEOS 1134 Physical Geology (TCCN: GEOL 1403)
• GEOS 1234 Historical Geology (TCCN: GEOL 1404)
• GNSC 1104 Life Earth Science
• GNSC 1204 Physical Science
• PHYS 1144 General Physics I (TCCN: PHYS 1401)
• PHYS 1244 General Physics II (TCCN: PHYS 1402)
• PHYS 1533 Descriptive Astronomy
• PHYS 1624 Mechanics, Wave Motion, & Heat (TCCN: PHYS 2425)
• PHYS 2644 Electricity & Magnetism & Optics (TCCN: PHYS 2426)

Language, Philosophy & Culture - 3 semester hours
• ENGL 2413 World Literature I (TCCN: ENGL 2332)
• ENGL 2423 World Literature II (TCCN: ENGL 2333)
• ENGL 2613 Survey of American Literature I (TCCN: ENGL 2327)
• ENGL 2623 Survey of American Literature II (TCCN: ENGL 2328)
• ENGL 2813 Survey of English Literature I (TCCN: ENGL 2322)
• ENGL 2823 Survey of English Literature II (TCCN: ENGL 2333)
• FREN 1134 Elementary French I (TCCN: FREN 1411)
• GERM 1134 Elementary German I (TCCN: GERM 1411)
• HIST 1333 Western Civilization I (TCCN: HIST 2311)
• HIST 1433 Western Civilization II (TCCN: HIST 2312)
• HUMN 2013 Humanities: The Ancient World
• HUMN 2023 Humanities: Medieval Cultures
• HUMN 2033 Humanities: Renaissance through Realism
• HUMN 2043 Mid-19th through 20th Centuries
• PHIL 1033 The Primary Concerns of Philosophy (TCCN: PHIL 1301)
• PHIL 2033 Ethics (TCCN: PHIL 2306)
• PHIL 2133 Political Philosophy (TCCN: PHIL 2307)
• PHIL 2213 Eastern Philosophy & Religion
• PHIL 2223 Feminist Philosophy
• PHIL 2333 Philosophy of Religion (TCCN: PHIL 2321)
• SPAN 1134 Elementary Spanish I (TCCN: SPAN 1411)

Creative Arts - 3 semester hours
• ART 1413 Art Appreciation (TCCN: ARTS 1301)
• MCOM 2213 Appreciation of Film (TCCN: COMM 2366)
• MUSC 1033 Music Appreciation (TCCN: MUSI 1306)
• MUSC 2733 Intro to Western & World Music
• THEA 1503 Appreciation of Theatre (TCCN: DRAM 1310)
• THEA 2423 Dramatic Analysis

American History - 6 semester hours
• HIST 1133 Survey of American Hist. to 1865 (TCCN: HIST 1301)
• HIST 1233 Survey of American Hist. since 1865 (TCCN: HIST 1302)

Government & Political Science - 6 semester hours
• POLS 1333 American Government - must be taken from a Texas institution.
• POLS 1433 American Government
• If you take a Government class from a Texas Public School, please contact our office to make sure the classes will transfer correctly.

Social & Behavioral Sciences - 3 semester hours
• PSYC 1103 General Psychology (TCCN: PSYC 2301)
• SOCL 1133 Introductory Sociology (TCCN: SOCI 1301)

Component Area - 6 semester hours
• Cultural & Global Understanding - 3 semester hours
  • EDUC 2013 School & Society (TCCN: EDUC 1301)
  • FREN 1234 Elementary French II (TCCN: FREN 1412)
  • GER 1234 Elementary German II (TCCN: GER 1412)
  • HSHS 1013 Global Health & Wellness
• HUMN 2013. Humanities: The Ancient World
• HUMN 2023 Humanities: Medieval Cultures
• HUMN 2033 Humanities: Renaissance through Realism
• HUMN 2043 Mid-19th through 20th Centuries
• INTS 2503 Introduction to Global Studies
• LATS 2503 Introduction to Latin American Studies
• MCOM 1233 Introduction to Mass Communication (TCCN: COMM 1307)
• MCOM 2523 The Internet & Society
• MUSC 2733 Intro to Western & World Music
• POLS 2523 Foundations of Government & Politics (TCCN: GOVT 2304)
• SOCL 2233 Global Social Problems (TCCN: SOCI 1306)
• SPAN 1234 Elementary Spanish II (TCCN: SPAN 1412)
• WGST 2503 Intro to Women’s & Gender Studies

Undergraduate Inquiry & Creativity - 3 semester hours
• BUAD 1033 Foundations of Business (TCCN: BUSI 1301)
• COUN 2143 Human Diversity
• ENGL 2123 Rhetoric, Visuals & Infographics
• MWSU 2003 Creative Inquiry: Interdisciplinary Thinking
• SCIE 2103 Understanding Science, Engineering & Tech
• SOCL 1143 Sociological Inquiry
• THEA 2103 Playwrights & Scientists: Interesting Bedfellows

TCCN = Texas Common Course Number
¹ = Recommended course