

Midwestern State University Bachelor of Science in Radiologic Science Degree Plan 2019-2020 Catalog

Name _____ Mustangs ID# _____ Must graduate by 8/31/2025 Date _____
 Last First MI

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 (78 Sem. Hrs.)	Cr. Hrs	Comp	Adv Hrs		
ARRT REGISTRY	42	42			
Statistics/Data Analysis (any level)	3			Major Core (3 hrs)	
RADS 3203 Pathophysiology	3			Professional Core (Required) (21 hrs)	
RADS 3213 Adv. Clinical Skills	3				
RADS 3503 Research	3				
RADS 3773 Radiobiology & Protec	3				
RADS 4633 Cont. Quality Improve	3				
RADS 4643 Health Law	3				
RADS 4913 Applied Research	3				
RADS 3313 Radiation Therapy	3				SELECT ANY 4 COURSES (TOTAL 12 HRS)
RADS 3413 Cardio. & Inter. Proc.	3				
RADS 3803 Intro to Nuc. Med	3				
RADS 3833 Bone Densitometry	3				
RADS 4513 Admin & Supervision	3				
RADS 4533 Informatics and Imaging	3				
RADS 4623 Quality Management	3				
RADS 4703 Principles of CT	3				
RADS 4713 Sonography	3				
RADS 4723 CT-Physics	3				
RADS 4733 Sectional Anatomy	3				
RADS 4743 MRI	3				
RADS 4753 Mammography	3				
RADS 4763 Mammo Quality Practice	3				
RADS 4773 MRI Applications	3				
RADS 4783 CT Applications	3				
RADS 4813 Teaching Strategies	3				
RADS 4853 Forensic Medical Imag	3				
RADS 4903 Selected Topics	3				
SUB-TOTAL	78		33		

BASIC CORE (42 Sem. Hrs.)	Cr Hrs	Transferred Credits & Substitutions	
		Course Prefix & #	Institution
COMMUNICATION			
ENGL 1123 or 1143	3		
Select one from attached list	3		
MATHEMATICS			
College Level Math	3		
SCIENCE			
Select one from attached list.	4		
Select one from attached list.	4		
LANGUAGE, PHILOSOPHY, & CULTURE			
Select one from attached list.	3		
CREATIVE ARTS			
Select one from attached list.	3		
AMERICAN HISTORY			
HIST 1133 Amer. History to 1865	3		
HIST 1233 Amer. History since 1865	3		
GOVERNMENT/POLITICAL SCIENCE			
POLS 1333 American Government	3		
POLS 1433 American Government	3		
SOCIAL & BEHAVIORAL SCIENCE			
Select one from attached list.	3		
COMPONENT AREA			
Cultural & Global Understanding			
Select one from attached list.	3		
Undergraduate Inquiry & Creativity			
Select one from attached list.	3		
<input type="checkbox"/> CORE COMPLETE SUB-TOTAL	42		

SUMMARY OF WORK REQUIRED FOR DEGREE	Cr. Hrs.	Adv. Hrs.
MAJOR	78	33
BASIC CORE	42	0
TOTAL	120	33*

WRITING PROFICIENCY EXAM-REQUIRED TO GRADUATE

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

IMPORTANT: MUST TAKE AT LEAST 30 HOURS FROM MSU

SIGNATURES

Advisor – _____

Chair, Radiologic Sciences _____

Dean, College of Health Sciences and Human Services _____

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

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)
 - GERM 1234 Elementary German II (TCCN: GERM 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