

## ARTICULATION AGREEMENT

### NORTHWEST MISSOURI STATE UNIVERSITY AND MERCY COLLEGE OF HEALTH SCIENCES

#### Appendix A

The following courses are required for the BSRS degree at Northwest Missouri State University. Upon completion students are awarded a BSRS degree from Northwest Missouri State University and an ASRT degree from Mercy College of Health Sciences.

Northwest Core Courses required for BSRS degree					
Northwest Missouri State University courses			Mercy College of Health Sciences Equivalencies		
Course Code	Course Description	Semester Hour	Course Code	Course Description	Semester Hour
BIO 04-104	Medical Terminology*	3			
BIO 04-140	General Microbiology	4	BIO 203	Microbiology w/ lab	4
BIO 04-236	Anatomy for Allied Health Sciences	4	BIO 180	Human Anatomy w/ lab	4
BIO 04-238	Physiology for Allied Health Sciences	4	BIO 185	Human Physiology w/ lab	4
CHEM 24-114/115	General Chemistry I and Laboratory	4	CHE 101	General Chemistry I w/ lab	4
<b>Total</b>		<b>19</b>			
*Students completing MED 101 Medical Terminology at MERCY may also elect to meet this requirement at Northwest with HPER 22-541 Human Pathophysiology, HPER 22-550 Community Health, HPER 22-552 Health Promotion, or 22-555 Intervention and Strategies for Health Behavior Change					
<b>Directed Northwest Core Courses – as required in accordance with certification and acceptance of Mercy College of Health Sciences. The following courses are to be taken to fulfill general education requirements for Northwest Missouri State University.</b>					
Northwest Missouri State University courses			Mercy College of Health Sciences courses		
Course Code	Course Description	Semester Hour	Course Code	Course Description	Semester Hour
BIO 04-102/103 Or BIO 4-106/107	General Biology and Laboratory Or Principles of Biology and Laboratory	4	BIO 101	General Biology w/ lab	4
ENG 10-111	Composition I	3	ENG 101	English Composition I	3
ENG 10-112	Composition II	3	ENG 102	English Composition II	3
COM/CORE	Oral Communication	3			
PHYS 25-110/111	General Physics I and Laboratory	4	PHY 101	Physics w/ lab	4
PHIL 39-276	Biomedical Ethics	3	PHI 320	Bioethics	3
SOC 35-101	General Sociology	3	SOC 102	Sociology	3
MATH 17-118	College Algebra	3	MAT 120	College Algebra	3
<b>Total</b>		<b>26</b>			

<b>Institutional Requirements for Northwest Missouri State University</b>																																																																				
Digital Literacy Course	3																																																																			
<b>Total</b>	<b>3</b>																																																																			
<b>Remaining Northwest Core requirements*</b>	<b>18</b>																																																																			
<b>Total hours completed at Northwest</b>	<b>66</b>																																																																			
<p><b>The following courses (51 credits) are completed at Mercy College of Health Sciences and transfer to Northwest Missouri State University as a block of 58 semester hours due to the structure of clinical education. All courses must be successfully completed for the block of 58 semester hours to transfer. There are no equivalencies for these courses offered at Northwest Missouri State University.</b></p>																																																																				
		<table border="1"> <thead> <tr> <th colspan="3"><b>Mercy College of Health Sciences courses</b></th> </tr> <tr> <th>Course Code</th> <th>Course Description</th> <th>Semester Hour</th> </tr> </thead> <tbody> <tr> <td>RAD 101</td> <td>Foundations of Radiologic Imaging</td> <td>2</td> </tr> <tr> <td>RAD 104</td> <td>Principles of Radiologic Imaging</td> <td>2</td> </tr> <tr> <td>RAD 110</td> <td>Applied Radiography I</td> <td>3</td> </tr> <tr> <td>RAD 111</td> <td>Clinical Practicum I</td> <td>2</td> </tr> <tr> <td>RAD 114</td> <td>Principles of Radiologic Imaging II</td> <td>2</td> </tr> <tr> <td>RAD 116</td> <td>Imaging Systems</td> <td>3</td> </tr> <tr> <td>RAD 120</td> <td>Applied Radiography II</td> <td>3</td> </tr> <tr> <td>RAD 121</td> <td>Clinical Practicum II</td> <td>2</td> </tr> <tr> <td>RAD 130</td> <td>Applied Radiography III</td> <td>2</td> </tr> <tr> <td>RAD 131</td> <td>Clinical Practicum III</td> <td>5</td> </tr> <tr> <td>RAD 202</td> <td>Radiographic Pathology</td> <td>3</td> </tr> <tr> <td>RAD 203</td> <td>Advanced Patient Care</td> <td>2</td> </tr> <tr> <td>RAD 205</td> <td>Radiation Physics</td> <td>3</td> </tr> <tr> <td>RAD 210</td> <td>Applied Radiography IV</td> <td>2</td> </tr> <tr> <td>RAD 211</td> <td>Clinical Practicum IV</td> <td>3</td> </tr> <tr> <td>RAD 215</td> <td>Radiation Biology</td> <td>3</td> </tr> <tr> <td>RAD 220</td> <td>Applied Radiography V</td> <td>3</td> </tr> <tr> <td>RAD 221</td> <td>Clinical Practicum V</td> <td>3</td> </tr> <tr> <td>SVL 285</td> <td>Servant Leadership</td> <td>3</td> </tr> <tr> <td colspan="2"><b>Total Transfer Hours from Mercy College of Health Sciences</b></td> <td><b>58</b></td> </tr> </tbody> </table>	<b>Mercy College of Health Sciences courses</b>			Course Code	Course Description	Semester Hour	RAD 101	Foundations of Radiologic Imaging	2	RAD 104	Principles of Radiologic Imaging	2	RAD 110	Applied Radiography I	3	RAD 111	Clinical Practicum I	2	RAD 114	Principles of Radiologic Imaging II	2	RAD 116	Imaging Systems	3	RAD 120	Applied Radiography II	3	RAD 121	Clinical Practicum II	2	RAD 130	Applied Radiography III	2	RAD 131	Clinical Practicum III	5	RAD 202	Radiographic Pathology	3	RAD 203	Advanced Patient Care	2	RAD 205	Radiation Physics	3	RAD 210	Applied Radiography IV	2	RAD 211	Clinical Practicum IV	3	RAD 215	Radiation Biology	3	RAD 220	Applied Radiography V	3	RAD 221	Clinical Practicum V	3	SVL 285	Servant Leadership	3	<b>Total Transfer Hours from Mercy College of Health Sciences</b>		<b>58</b>
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<b>Total hours for BSRS degree at Northwest</b>	<b>124</b>																																																																			

### Appendix B

The following courses are required for the ASRT degree at Mercy College of Health Sciences. Graduates with the ASRT degree may transfer equivalent courses to Northwest Missouri State University to complete their BSRS degree.

Mercy College of Health Sciences Courses required for ASRT degree			Northwest Missouri State University Equivalencies					
Course Code	Course Description	Semester Hour	Course Code	Course Description	Semester Hour			
BIO 180	Human Anatomy w/ lab	4	BIO 04-236	Human Anatomy for Allied Health Sciences	4			
BIO 185	Human Physiology w/ lab	4	BIO 04-238	Human Physiology for Allied Health Sciences	4			
ENG 101	English Composition I	3	ENG 10-111	Composition I	3			
ENG 102	English Composition II	3	ENG 10-112	Composition II	3			
RAD 101	Foundations of Radiologic Imaging	2						
RAD 104	Principles of Radiologic Imaging	2						
RAD 110	Applied Radiography I	3						
RAD 111	Clinical Practicum I	2						
RAD 114	Principles of Radiologic Imaging II	2						
RAD 116	Imaging Systems	3						
RAD 120	Applied Radiography II	3						
RAD 121	Clinical Practicum II	2						
RAD 130	Applied Radiography III	2						
RAD 131	Clinical Practicum III	5						
RAD 202	Radiographic Pathology	3						
RAD 203	Advanced Patient Care	2						
RAD 205	Radiation Physics	3						
RAD 210	Applied Radiography IV	2						
RAD 211	Clinical Practicum IV	3						
RAD 215	Radiation Biology	3						
RAD 220	Applied Radiography V	3						
RAD 221	Clinical Practicum V	3						
SPE 105	Small Group Communication	1				COM 29-102	Fundamentals of Oral Communication	3
SVL 285	Servant Leadership	3						

**The following electives are required for the ASRT degree**

Core Elective	3	See Appendix C for elective equivalencies for each discipline.
Humanities Elective	3	
MAT Elective (College Algebra or higher level of math, not statistics)	3	
Social Science Elective	3	
<b>Total hours for the ASRT degree at Mercy College of Health Sciences</b>	<b>78</b>	

### Appendix C

The following courses are equivalent general education courses that transfer between Northwest Missouri State University and Mercy College of Health Sciences. Note, per Appendix A, that additional Northwest Core courses may be required.

General Education Course	Northwest Missouri State University	Semester Hours	Mercy College of Health Sciences	Semester Hours
Mathematical Reasoning	MATH 17-118 Precalculus Algebra	3	MAT-120 College Algebra	3
Life Sciences	BIO 04-102/103 General Biology/Lab OR 04-106/107 Principles of Biology/Lab	4	BIO-101 General Biology w/lab	4
	BIO 04-140 General Microbiology	4	BIO-203 Microbiology w/lab	4
Physical Sciences	CHEM 24-114/115 General Chemistry I and Laboratory	4	CHE-101 General Chemistry I w/lab	4
	PHYS 25-110/111 General Physics I/Laboratory	4	PHY-101 Physics w/lab	4
Social Sciences	PSYC 08-103 General Psychology	3	PSY-101 General Psychology	3
	SOC 35-101 General Sociology	3	SOC-102 Sociology	3
Humanities	PHIL 39-276 Introduction to Ethics (Biomedical)	3	PHI-320 Bioethics	3
	LANG 14-141 Spanish I,	3	SPA-101 Spanish I,	3
	LANG 14-142 Spanish II	3	SPA-102 Spanish II,	3
	HUM 26-162 Comparative Religions	3	REL-334 Comparative World Religions	3
Fine Arts	ART 13-102 Art Appreciation,	3	ART-120 Art Appreciation	3
	MUS-19-201 The Enjoyment of Music,	3	MUS-120 Music Appreciation	3
	THEA 43-101 Theatre Appreciation	3	HUM-120 Intro to Film	3
Literature	ENGL 10-220 Intro To Literature	3	Other Options: ENG 165 African American Literature, ENG-225 Young Adult Lit & Med ENG-335 Literature & Medicine	3 3 3
Civics	US History	3	N/A	
	Political Science	3		