

**UNIVERSITY OF MINNESOTA, CROOKSTON**

**LIBERAL EDUCATION REQUIREMENTS FOR BACHELOR OF SCIENCE DEGREES - April 27, 2005**

UMC Bachelor of Science degree programs require a minimum of 40 credits of liberal education. This requirement also meets the ten goal areas of the Minnesota Transfer Curriculum. Goal Areas #1 and #3 through #9 are listed below. Goal Area #2 is Critical Thinking. Critical thinking is taught throughout the liberal education curriculum at UMC. Upon completion of 20 credits from at least four different goal areas, students will have met the Critical Thinking goal.

<b>GOAL AREAS</b>								
<b>#1</b>	<b>#3</b>	<b>#4</b>	<b>#5</b>	<b>#6</b>	<b>#7</b>	<b>#8</b>	<b>#9</b>	<b>#10</b>
Communication (written and oral) - 9 credits minimum	Biological and Physical Sciences (with labs) - 3 credits each area minimum	Mathematical Thinking - 3 credits minimum	History and the Behavioral & Social Sciences - 6 credits minimum	The Humanities (the arts, literature, and philosophy) - 6 credits minimum	Human Diversity - one course minimum*	Global Perspective - one course minimum*	Ethical and Civic Responsibility - one course minimum*	People and the Environment - one course minimum*
Art	1152	Drawing and Design		X				
Art	1252	Color and Design		X				
Art	1352	Art Design and Techniques		X				
Art	2000	Elementary Art		X				
Biol	1009	General Biology	X					X
Chem	1001	Introductory Chemistry	X					
Chem	1021	Chemical Principles I	X					X
Chem	1401	Elementary Biochemistry	X					X
Comp	1011	Composition I	X					
Comp	1013	Composition II	X					
ECE	2100	Child Development and Learning			X			
Econ	2101	Microeconomics		X				
Econ	2102	Macroeconomics		X				
Geog	1104	World Regional Geography		X		X		
Geol	1001	Introductory Geology	X					X

\* = courses in goal areas #7 through #10 may also count in other goal areas.

X = meets Liberal Education goal.

R = meets Liberal Education goal if repeated (repeatable to 3 credits toward meeting Liberal Education goal).

			GOAL AREAS								
			#1	#3	#4	#5	#6	#7	#8	#9	#10
			Communication (written and oral) - 9 credits minimum	Biological and Physical Sciences (with labs) - 3 credits each area minimum	Mathematical Thinking - 3 credits minimum	History and the Behavioral & Social Sciences - 6 credits minimum	The Humanities (the arts, literature, and philosophy) - 6 credits minimum	Human Diversity - one course minimum*	Global Perspective - one course minimum*	Ethical and Civic Responsibility - one course minimum*	People and the Environment - one course minimum*
Hist	1021	World History I							X		
Hist	1022	World History II							X		
Hist	1301	American History I				X					
Hist	1302	American History II				X					
Hum	1301	Introduction to the Humanities					X				
Hum	3310	Culture and Technology							X		X
Lit	1005	Introduction to Literature					X		X		
Lit	1016	Readings in American Life					X	X			
Lit	3001	World Literature					X		X		
Math	1031	College Algebra and Analytical Geometry			X						
Math	1142	Survey of Calculus			X						
Math	1150	Elementary Statistics			X						
Math	1250	Precalculus			X						
Math	1271	Calculus I			X						
Mus	1011	University Singers					R				
Mus	1021	Introduction to Music					X	X			
Mus	1041	Private Music Instruction					R				
Mus	1042	Class Piano					R				
Mus	1051	Band/Pep Band					R				
Mus	1071	Musical Theatre					R				
Mus	1111	Music Theory I: Foundations of Tonal Music					X				
Mus	3011	University Singers					R				

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Mus	3029	Music of the 20th Century					X	X			
Mus	3041	Private Music Instruction					R				
NatR	1226	Issues in Sustainability								X	X
NatR	3374	Ecology		X							
Phil	1001	Introduction to Philosophy					X			X	
Phys	1012	Introductory Physics		X							
Phys	1101	Introductory College Physics I		X							
Phys	1102	Introductory College Physics II		X							
Pol	1001	American Government								X	
Psy	1001	General Psychology				X					
Psy	1093	Lifespan Development				X					
Soc	1001	Introduction to Sociology				X		X			
Spch	1101	Public Speaking	X								
Spch	2002	Interpersonal and Group Processes	X								
Spch	3001	Communication in Human Relationships						X			
Spch	3431	Persuasion	X								
Th	1121	Theater Production					R				

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