



**Liberal Arts Associate in Science (LATAS)
Transfer Guide – Pre Construction Engineering**

*This degree strengthens foundation skills, provides broad understanding, and develops reasoning skills as students prepare for advanced studies in a natural sciences, mathematics, or science-dependent program. Each transfer institution publishes requirements for admission, general education, and major concentration areas. **Students should consult with the institution they plan to transfer to and their MCC Advisor for courses that best fit your intended plan of study.** For Students planning to transfer to UNO – College of Arts and Sciences the below information can also be viewed on Transferology.com under UNO/UNL Pathways. For more information contact the MCC Transfer Center.*

Total credit hours – 93.0 – 95.0

Major Course Requirements and Electives (42.0)

Natural Sciences/Quantitative/Numeracy Skills & Electives (37.5) (See an advisor for placement options.)		Recommendations for alignment with UNL
MATH 1430 Trigonometry	4.5	
MATH 2410 Analytic Geometry & Calculus I	7.5	Satisfies ACE 3 at UNL.
MATH 2411 Calculus II	7.5	
MATH 2412 Calculus III	6.0	
MATH 2510 Differential Equations	4.5	
INFO 2530 Data Structures using Java	4.5	
ENGR 2010 Elements of Electrical Engineering I	4.5	
ENGR 2020 Engineering Statics	4.5	
Additional electives may include Physics sequence.		PHYS 211A, 211B, 211C
Cultural Studies (4.5) Complete one course.		
Complete one cultural studies course.	4.5	Satisfies ACE 9 at UNL: ENGL 2530 GEOG 1010 GEOG 1020 HIST 1070 HIST 1110 HIST 1120 PHIL 2200 SOCI 1100 SOCI 1250

General Education Requirements – (51.0-53.0)

General Education Courses at MCC		Recommendations for alignment with UNL
Communication (13.5) Complete all courses.		
ENGL 1010 English Composition I	4.5	
ENGL 1020 English Composition II	4.5	
SPCH 1110 Public Speaking	4.5	Satisfies ACE 2 at UNL.
Quantitative/Numeracy Skills (9.0) Complete all courses.		
MATH 1315 College Algebra	4.5	
MATH 1425 Pre-Calculus Algebra	5.0	
Critical Thinking/Creativity & Social/Cultural Awareness (13.5)		
Complete one Social Science Transfer Course.	4.5	ACE 6: ECON 1100
Complete two Humanities Transfer Courses. Choose one course from ACE 5 and one course from ACE 7.	9.0	ACE 5: ENGL 2450 ENGL 2460 ENGL 2510 ENGL 2520 ENGL 2530 HUMS 2310 PHIL 1010 PHIL 2030 ACE 7: ARTS 1110 ARTS 1120 ENGL1310 MUSC 1050 THEA 1000
Scientific Inquiry (13.5) Complete two Natural Sciences courses.		
Complete Physics sequence and Chemistry course.		ACE 4: CHEM 1212 (required for pre-engineering) PHYS 210A, 210B, 210C
Professionalism/Life Skills & Information Literacy (4.5) Complete one course.		
INFO 1001 Information Systems and Literacy	4.5	
HMRL 1010 Human Relations Skills	4.5	HMRL 1010 Human Relations Skills
EXPL 1000 Exploratory Studies	4.5	



METROPOLITAN
Community College

Every effort has been made to provide accurate information on suggested courses, however it is the student's responsibility to consult with the institution they are planning to transfer to ensure courses fit into their intended plan of study. For additional information on course by course equivalencies please contact the MCC Transfer Center.