

Transfer Guide: MCC Liberal Arts Transfer – Associate of Science (LATAS) to UNO Bachelor of Science in Physics (Calculus Precursor) (2024)

This degree strengthens foundation skills, provides broad understanding, and develops reasoning skills as students prepare for advanced studies in a Science, Technology, Engineering, or Mathematics (STEM) program. Students completing this degree can transfer their credits into a bachelor’s degree program at a four-year institution.

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 students planning to transfer to UNO – College of Arts and Sciences, the below information can also be found at the following sites:

- MCC - [Metropolitan Community College - University of Nebraska at Omaha \(mccneb.edu\)](https://mccneb.edu)
- UNO - [Guided Pathways | Registrar | University of Nebraska Omaha \(unomaha.edu\)](https://unomaha.edu)

Total Credit Hours – 93.0-95.0

General Education Requirements (51.0-53.0 Credit Hours)

Communication (13.5 Credit Hours) – Complete all courses

Course	Credit Hours	Recommendations for Alignment with UNO
ENGL 1010 English Composition I	4.5	ENGL 1010
ENGL 1020 English Composition II	4.5	ENGL 1020
COMS 1110 Public Speaking	4.5	COMS 1110

Quantitative/Numeracy Skills (9.0-9.5 Credit Hours) – Complete two courses

Course	Credit Hours	Recommendations for Alignment with UNO
Complete two courses from the following: MATH 1410, MATH 1425, MATH 1430, MATH 1930, MATH 2410, MATH 2411, MATH 2412, or MATH 2510	9.0-9.5	MATH 1425 & MATH 1430

Critical Thinking/Creativity & Social/Cultural Awareness (13.5 Credit Hours) – Complete three courses

Course	Credit Hours	Recommendations for Alignment with UNO
Complete one Humanities Transfer course	4.5	Complete one course from the following: ARTS 1000, ARTS 1110, ARTS 1120, ENGL 1310, ENGL 2450, ENGL 2460, ENGL 2510, ENGL 2520, ENGL 2530, ENGL 2610, ENGL 2620, FREN 1110, GERM 1010, HUMS 1000, HUMS 1100, HUMS 1110, HUMS 1120, HUMS 1130, HUMS 1150, HUMS 2310, JAPN 1010, MUSC 1050, PHIL 1010, PHIL 2030, PHIL 2200, SPAN 1110, THEA 1000, THEA 2020
Complete one Social Science Transfer course	4.5	Complete one course from the following: CRIM 1010, ECON 1000, ECON 1100, GEOG 1010, GEOG 1020, GEOG 1050, POLS 2050, POLS 2070, PSYC 1010, PSYC 1110, SOCI 1010, SOCI 1250, SOCI 2050, SOCI 2060, SOCI 2110, SOCI 2160, or SOWK 1010
Complete one Humanities Transfer or Social Science Transfer course	4.5	Choose one course from the following: POLS 2050, SOCI 2060, SOCI 2110, SOCI 2160, or SOWK 1010

Scientific Inquiry (10.5-12 Credit Hours) – Complete two courses

Course	Credit Hours	Recommendations for Alignment with UNO
Complete two Natural Sciences Transfer courses. One course must include a lab	10.5-12	PHYS 210ABC & PHYS 211ABC

Professionalism/Life Skills & Information Literacy (4.5 Credit Hours) – Complete one course

Course	Credit Hours	Recommendations for Alignment with UNO
Complete one of the following courses: EXPL 1000, INFO 1001 or HMRL 1010	4.5	EXPL 1000 or HMRL 1010

Major Requirements (22.5-24.0 Credit Hours)

Natural Sciences/Quantitative/Numeracy Skills (18.0 - 19.5 Credit Hours)

Course	Credit Hours	Recommendations for Alignment with UNO
Complete 18.0 - 19.5 credit hours from the Natural Sciences Transfer or Math Transfer course options	18-19.5	MATH 2410, MATH 2411, and MATH 2412

Cultural Studies (4.5 Credit Hours) – Complete one course

Course	Credit Hours	Recommendations for Alignment with UNO
Complete one course from the Cultural Studies Transfer courses	4.5	Complete one course from the following: HIST 1110, HIST 1120, HUMS 1110, HUMS 1150, PHIL 2200



Elective Requirements (16.5-18.0 Credit Hours)

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Course	Credit Hours	Recommendations for Alignment with UNO
Complete 16.5-18.0 credit hours from the MCC Catalog	16.5-18.0	<p>Course 1: MATH 2510</p> <p>Course 2: Complete one course from the following: BIOS 1010, BIOS 1111-1121-1130, BIOS 1250, BIOS 1400, CHEM 1010, CHEM 1212, GEOG 1150, GEOG 1160, GEOG 1210, SCIE 1010, SCIE 1400</p> <p>Course 3: Complete one course from the following: ARTS 1000, ARTS 1110, ARTS 1120, ENGL 1310, ENGL 2450, ENGL 2460, ENGL 2510, ENGL 2520, ENGL 2530, ENGL 2610, ENGL 2620, FREN 1110, GERM 1010, HUMS 1000, HUMS 1100, HUMS 1110, HUMS 1120, HUMS 1130, HUMS 1150, HUMS 2310, JAPN 1010, MUSC 1050, PHIL 1010, PHIL 2030, PHIL 2200, SPAN 1110, THEA 1000, THEA 2020, THEA 2050</p> <p>Course 4: Complete an elective course that applies to a second major or minor at UNO, consideration is placed on a course that intersects with a Physics discipline, such as SCIE 1300 Astronomy.</p>

Students admitted to UNO with an Associate of Arts (AA) or Associate of Science (AS) degree from a regionally accredited institution will have fulfilled UNO's lower-division general education requirements. (This means all UNO general education requirements except Writing in the Discipline).

UNO Total Semester Hours – 53

Remaining Courses to be completed at UNO

UNO Requirement	Credit Hours	UNO Course(s)
Writing in the Discipline	3	
Introductory Physics and Math Courses	8	PHYS 1950 Physics Gateway Course (1) PHYS 2130 Modern Physics (4) MATH 2050 Applied Linear Algebra (3) or PHYS 3250 Mathematical Methods of Physics (3)
Physics Core Courses	15	PHYS 3450 Classical Mechanics (3) PHYS 3600 Thermodynamics and Statistical Physics (3) PHYS 3750 Electricity and Magnetism I (3) PHYS 3800 Optics (3) PHYS 4200 Introduction to Quantum Mechanics (3)
Advanced Laboratory	2	
Senior Project and Physics Electives	7	
College Breadth	12	
Electives	6	

Additional Information for Students:

Per UNO's Catalog and University Transfer Credit Policy, sixty-four (64) semester credit hours is the maximum allowed to transfer to most undergraduate UNO colleges from regionally accredited two-year college; however, UNO's College of Arts and Sciences Policy overrides this and allows STEM majors in Arts & Sciences (including Biology) to transfer sixty-seven (67) semester hours from accredited two-year colleges.

To maximize credit transfer, students are strictly encouraged to follow this Guided Pathway. When followed correctly, students will have approximately (53) Credit/Semester Hours remaining to complete for the Bachelor of Science in Physics.

Academic Advising Information:

- MCC
 - [Metropolitan Community College - Academic Advising \(mccneb.edu\)](https://www.mccneb.edu/academic-advising)
 - 531-622-5231
- UNO
 - College of Arts and Sciences
 - Emily Cook, ecook@unomaha.edu, 402-554-3841

MCC Transfer Center Information:

- transfercenter@mccneb.edu
- 531-622-1111