



Dual Enrollment Courses and Credits

Omaha North High Magnet School offers Dual Enrollment opportunities through University of Nebraska-Omaha, Midland University, and Metropolitan Community College. Students apply for dual enrollment once the course is in progress, during the semester designated by the institution. All AP dual enrolled students are required to take the AP Exam at no additional cost.

UNO Fall Courses

North High Course	Teacher	Course Equivalence	Credits	Total Cost
AP Calculus BC	Mr. Hjelle	Math 1950	5	\$250
Honors Calculus 3	Mr. Steinbruck	Math 1970	4	\$250
AP US Government and Politics	Ms. Burbach	PSCI 1100	3	\$250
AP English Literature and Composition	Ms. Porter	ENGL 1010	3	\$250
Honors Cybersecurity	Mr. Babb	CYBR 1100	3	\$250
AP Computer Science A	Mr. Babb	CIST 1400	3	\$250

UNO Spring Courses

North High Course	Teacher	Course Equivalent	Credits	Total Cost
AP Calculus BC	Mr. Hjelle	Math 1960	5	\$250
Honors Differential Equations	Mr. Hjelle	Math 2350	3	\$250
AP Comparative Government	Ms. Burbach	PSCI 2500	3	\$250
AP World History	Mr. Ahern	History 1010	3	\$250
AP Statistics	Mr. Steinbruck	CIST 2500	3	\$250
AP Calculus AB	Mr. Steinbruck	Math 1950	5	\$250
AP Physics 1	Mr. Dappen	Physics 1110	4	\$250
AP Physics Lab	Mr. Dappen	Physics 1154	1	\$160
AP English Literature and Composition	Ms. Porter	ENGL 1020	3	\$250

Metropolitan Community College Fall Courses

North High Course	Teacher	Course Equivalent	Credits	Total Cost
Honors Technical Communication	Ms. Porter	ENGL 1220	4.5	\$44
Intermediate Algebra	Ms. Thraen/Mr. Frecks	MATH 1310	4	NO COST
Applied Mathematics	Ms. Thraen/Mr. Frecks	MATH 1240	4	NO COST
Honors Personal Finance	Mr. Luedtke	FINA 1000	4.5	\$44
Mechanical Blue Print Reading	Mr. Weimer	PRMA 1050	4	\$44
Machine Tool 1	Mr. Banker	PRMA 1401	9	\$44
Machine Tool 3	Mr. Banker	PRMA 1403	9	\$44

Metropolitan Community College Spring Courses

North High Course	Teacher	Course Equivalent	Credits	Total Cost
Honors Technical Communication	Ms. Porter	ENGL 1240	4.5	\$44
Honors Child Development 1-2	Ms. Thorson	ECED 1150	4.5	\$44
CAD/Design Engineering	Mr. Weimer	PRMA 1050	9	\$44
Industrial Safety and Health	Mr. Weimer	INCT 1000	4.5	\$44
Honors Personal Finance	Mr. Luedtke	FINA 1000	4.5	\$44
Machine Tool 2	Mr. Banker	PRMA 1402	9	\$44
Machine Tool 4	Mr. Banker	PRMA 1404	9	\$44

Midland University Fall Courses

North High Course	Teacher	Course Equivalent	Credits	Total Cost
AP Chemistry	Mr. Sunde	CHE 103	4	\$250
AP English Language and Composition	Ms. Gutierrez	ENG 120	3	\$250

Midland University Spring Courses

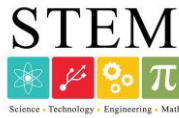
North High Course	Teacher	Course Equivalent	Credits	Total Cost
AP Chemistry	Mr. Sunde	CHE 104	4	\$250



Advanced Placement Courses

Students register for the AP Exam in February/March. Exams are administered in May per the AP Exam Schedule dictated by the College Board. Many post-secondary institutions will accept an AP Exam score of 3 or higher as a transfer credit or a means to test out of a course.

North High Course	Teacher	Grade Level	Dual Enrolled through Midland or UNO
AP Biology	Mrs. Cooney	11 or 12	
AP Calculus AB	Mr. Steinbruck	After Pre-Calc/Trig	UNO
AP Calculus BC	Mr. Hjelle	After Pre-Calc/Trig	UNO
AP Chemistry	Mr. Sunde	11 or 12	Midland
AP Comparative Government and Politics	Ms. Burbach	12	UNO
AP Computer Science A	Mr. Babb	After Java 1-2	UNO
AP English Language & Composition	Ms. Gutierrez	11	Midland
AP English Literature & Composition	Ms. Porter	12	UNO
AP Environmental Science	Mrs. Brown	11 or 12	
AP Human Geography	Ms. Murphy	10	
AP Music Theory	Mr. Haupt	11 or 12	
AP Physics 1	Mr. Dappen	After Physical Science	UNO
AP Psychology	Mr. Juranek	11 or 12	
AP Statistics	Mr. Steinbruck	After Pre-Calc/Trig	UNO
AP Studio Art 2-D	Ms. Buckley	11 or 12	
AP Studio Art 3-D	Ms. Buckley	11 or 12	
AP United States Government & Politics	Ms. Burbach	12	UNO
AP United States History	Ms. Leick	9 or 12	
AP World History	Mr. Ahern	11	UNO



STEM Academy/Project Lead the Way Career Pathways

National studies have shown that students in career academies are more likely to graduate with the skills and academic requirements to pursue college or career opportunities. A career academy is a small, safe, and supportive learning environment that is contained within a larger high school. An academy has a career and college theme, preparing students for both post-secondary schooling and work.

Project Lead the Way (PLTW) prepares students to be the most innovative and productive leaders in Science, Technology, Engineering, and Mathematics (STEM). It provides students with opportunities to make meaningful, pioneering contributions to our world.

PLTW Engineering (all honors pathway)

Grade	North High Course	Teacher
9	Honors Intro to Engineering & Design*	Mr. Sailors OR Mr. Hankel
10	Honors Principles of Engineering* Honors Digital Electronics Honors Computer Science & Software Engineering Honors Computer Integrated Manufacturing	Mr. Hjelle Mr. Hankel Mr. Babb OR Mr. Hankel Mr. Weimer
11	Honors Civil Engineering & Architecture Honors Digital Electronics Honors Computer Science and Software Engineering Honors Computer Integrated Manufacturing	Ms. Wragge Mr. Hankel Mr. Babb OR Mr. Hankel Mr. Weimer
12	Honors Engineering Design & Development* Honors Civil Engineering & Architecture Honors Digital Electronics Honors Computer Science and Software Engineering Honors Computer Integrated Manufacturing	Mr. Babb Ms. Wragge Mr. Hankel Mr. Babb OR Mr. Hankel Mr. Weimer

* required course

Manufacturing

Grade	North High Course	Teacher
10	Machine Tool 1-2 Industrial Safety & Health (1 st semester) Mechanical Blueprint Reading (2 nd semester)	Mr. Weimer Mr. Weimer Mr. Weimer
11	Machine Tool 3-4 CAD Design/Engineering	Mr. Weimer Ms. Hankel & Mr. Weimer
12	CNC Manufacturing 1-2 Computer Integrated Manufacturing	Mr. Weimer Mr. Weimer

PLTW Biomedical Sciences (all honors pathway)

Grade	North High Course	Teacher
9	Honors Principles of Biomedical Science	Mrs. Cooney OR Mr. Anton
10	Honors Human Body Systems	Mr. Meysenburg
11	Honors Medical Interventions	Ms. Fricke
12	Honors BioMedical Innovations	Mr. Anton

Computer Science (all honors/AP pathway)

Grade	North High Course	Teacher
9	Honors Computer Science and Software Engineering	Mr. Babb OR Mr. Hankel
10	Honors AP Computer Science	Mr. Babb
11	Honors Cybersecurity	Mr. Babb
12	Honors Engineering Design and Development	Mr. Babb

Media Technology (all honors pathway)

Grade	North High Course	Teacher
9	Honors Digital Media	Ms. Runyon
10	Honors Audio and Video Technology 1-2	Ms. Runyon
11	Honors Audio and Video Technology 3-4	Ms. Runyon
12	Honors Audio Video Technology Capstone	Ms. Runyon