

2023-2024 Northern Academy Elective Courses

Elective Course Titles	Credit	College Credit	Semester	Requirements
Business				
Business Management	0.5		Fall	
Introduction to Marketing	0.5		Spring	
Computer Science				
AP-Computer Science A	1	Y	Full Year	By Application/Placement
Northern Horizon (Web Programming)	1		Full Year	
World Languages				
Beginning Chinese	1		Full Year	
Elementary Chinese 1	1		Full Year	
Elementary Chinese 2	1		Full Year	
Intermediate Chinese	1		Full Year	
AP-Chinese Language and Culture	1	Y	Full Year	By Application/Placement
AP-Chinese Language and Culture Enrichment	1	Y	Full Year	By Application/Placement
Spanish 1	1		Full Year	
Spanish 2	1		Full Year	
English				
AP-English Literature and Composition	1	Y	Full Year	By Application/Placement
AP English Language and Composition	1	Y	Full Year	By Application/Placement
Creative writing	0.5		Fall	
British Literature	0.5		Spring	
Public Speaking and Debate	0.5		Spring	
Math				
Pre-Calculus	1		Full Year	Algebra 2
AP-Calculus AB	1	Y	Full Year	Algebra 2 and By Application
AP-Calculus BC	1	Y	Full Year	Algebra 2 and By Application
AP-Statistics	1	Y	Full Year	Algebra 2 and By Application
Advanced Math Problem Solving	0.5		Full Year	Geometry and By Application
Science				
3D Modeling and 3D Printing	0.5		Fall	
Robotics Engineering	0.5		Spring	
AP-Biology	1	Y	Full Year	Biology and By Application
AP-Chemistry	1	Y	Full Year	Chemistry and By Application
AP-Physics 1	1	Y	Full Year	By Application
AP-Physics 2	1	Y	Full Year	By Application
AP-Physics C Mechanics	1	Y	Full Year	AP Physics 1 and By Application
AP-Physics C Electricity & Magnetism	1	Y	Full Year	AP Physics 2 and By Application
Earth Science	1		Full Year	
Environmental Science	0.5		Spring	
Zoology	0.5		Fall	
Introduction to Neuroscience	0.5		Full Year	
Human Physiology	0.5		Spring	
Social Studies				
AP-Art History	1	Y	Full Year	By Application
AP-Human Geography	1	Y	Full Year	By Application
AP-World History	1	Y	Full Year	By Application
AP-European History	1	Y	Full Year	By Application
AP-US History	1	Y	Full Year	By Application
AP-US Government and Politics	0.5	Y	Fall	By Application
AP-Microeconomics	0.5	Y	Fall	By Application
AP-Macroeconomics	0.5	Y	Spring	By Application
AP-Psychology	1	Y	Full Year	By Application
Chinese History	1		Full Year	
Studies on Current Events	0.5		Fall	
Cultural Anthropology	0.5		Spring	
Music				
Wind Orchestra/School Band	1		Full Year	
Music (Pipa)	0.5		Full Year	
Music (Erhu)	0.5		Full Year	
Music (Keyboard)	0.5		Full Year	
Music Creativity Through Technology	0.5		Full Year	
Music Appreciation	0.5		Full Year	For non-music track only
Dance				
Dance (General)	0.5		Full Year	For non-dance track only
Fine Arts				
Studio Art Drawing	1		Full Year	For non-fine arts track only
Drawing	0.5		Full Year	For non-fine arts track only

Fashion Construction	0.5		Full Year	
Chinese Calligraphy and Painting	0.5		Full Year	
Video Production	0.5		Full Year	
After Effects (Animation)	0.5		Full Year	
Graphic Design 1	0.5		Full Year	
Graphic Design 2	0.5		Full Year	
Graphic Design 3	0.5		Full Year	
Photography	0.5		Full Year	
Physical Education*				
Meditation	0.5		Full Year	
Tennis	0.5		Fall & Spring	
* Co-curricular sports will be chosen by students at the beginning of a season.				