

0201 Accounting II: Entrepreneurs & Corporations

Accounting II is the study of the financial records of a merchandising business organized as a corporation. Students will further their knowledge of accounting principles learned in Accounting I. New topics include special journals, stockholders' dividends, uncollectible accounts, depreciation methods, cost of merchandise sold, and notes. More extensive computerized accounting applications will be included through the use of accounting software, Excel, and an accounting simulation. This course is highly recommended for students majoring in Business in college or those interested in owning their own business. *(Course qualifies for senior level math elective)*

0203 Business Law

Business Law studies the basics of the court procedural systems, exploring criminal, civil, contractual and consumer law. Students learn advanced reading for informational skills, text condensing techniques, fact finding, and focus on writing with precision based on argument and evidence. Students script, perform and sit on juries during three mock trials, plus construct a "who done it" video using green screen technology pertaining to a breach of contract case. *(Course qualifies as Visual, Performing & Applied Art .5 credit)*

0210 Computer Applications

Students explore Microsoft Office 2016 improving their ability to create properly formatted Word documents, accurate Excel spreadsheets, and visually appealing charts, graphs or tables. Learning oral communication strategies and PowerPoint integration techniques, students exit class with a well-designed presentation template to use throughout their academic career. Students use the electronic calendar and self-pace their time on task. Promotable soft skills and work behaviors are woven through discussions and collaborative projects. Students format a professional resume and cover letter. The Microsoft Office Specialist (MOS) Industry certification is offered for free with practice tests and software available. *(Course qualifies as Visual, Performing & Applied Art .5 credit)*

0208 Finance I: Building Wealth

Students learn four cornerstones of how to build, protect and grow one's personal net worth. Excel spreadsheet skills are developed through the budgeting to save unit. Collaboration skills are honed through a balance sheet creation project. Accounting fundamentals covered include paycheck math, banking operations, financial goal setting, checking account reconciliation, insurance needs, investing basics, and the dangers of credit extension. College costs, student loans and careers in terms of life earning potential are explored in depth. Students leave class with a detailed Excel budget, college cash flow plan, job search techniques, resume cover letter, and a financial plan to live on their own by age 24. *(Course qualifies for senior level math elective)*

0209 Finance II: Investing for the Long Term

Picking up where Building Wealth leaves off, students focus on starting retirement planning by age 28. With a lens of 30-40 years until retirement, students learn stock & bond classifications, age-appropriate risk profiles, plus how to read stock market and financial report data. Using a financial statement analysis technique, students study one stock over four years witnessing how companies are run by numbers, how that process translates into profitability, and how stock investors earn a return through dividends and stock appreciation. Three major stock indexes are covered (Dow Jones, Standard & Poors 500 and the Russell 3000). Students leave class understanding why mutual funds diversify risk and stand as cost effective investment vehicles. *(Course qualifies for senior level math elective)*

IB Business Management HL1

0213 Semester 1 / 0214 Semester 2

IB Business Management is designed to give students an understanding of business theory as well as an ability to apply business principles, practices and skills. IB Business Management aims to help students understand the implications of business activity in a global market. Its intent is to give students an international perspective and to promote their appreciation of cultural diversity in the workplace through furthering the study of a variety of business topics such as Business Organization and Environment, Human Resources, Accounts and Finance, Operations Management and Marketing. Since this is designed as a two-year course, first priority will be given to juniors. *(Course qualifies for either senior level math elective or visual, performing & applied arts credit)*

IB Business Management HL2

0215 Semester 1 / 0216 Semester 2

IB Business Management is designed to give students an understanding of business theory as well as an ability to apply business principles, practices and skills. IB Business Management aims to help students understand the implications of business activity in a global market. Its intent is to give students an international perspective and to promote their appreciation of cultural diversity in the workplace through furthering the study of a variety of business topics such as Business Organization and Environment, Human Resources, Accounts and Finance, Marketing and Operations Management. In addition, the second year students will gather and synthesize business ideas, concepts and techniques from the topics listed above. Mock Internal and External Assessment testing will be administered. *(Course qualifies for either senior level math elective or visual, performing & applied arts credit)*

0204 Marketing I

Marketing I focuses on the foundations of marketing and how they affect trade and consumer behaviors. Students will gain an understanding of how marketing impacts our economy, the decisions they make as consumers, and how companies try to influence individual purchase decisions. Students will focus on the functions of marketing through interactive lectures, discussions, application projects, and activities. *(Course qualifies for visual, performing & applied arts credit)*

0205 Marketing: Sports/Fashion/Entertainment

Marketing: Sports/Fashion/Entertainment focuses on the functions of marketing and how they impact the sports, fashion, and entertainment industry. Students will gain an understanding of how marketing impacts our economy, the decisions they make as consumers, and how companies try to influence individual purchase decisions related to these industries. Students will participate in interactive lectures, discussions, application projects, and activities. Marketing I is a prerequisite for this course. *(Course qualifies for visual, performing & applied arts credit)*

0206 Marketing: Store Operations

Marketing: Store Operations focuses on the functions of marketing and how they impact retail markets. Students will gain an authentic retail experience through running the Novi Cat Rack school store, while participating in interactive lectures, discussions, application projects, and activities. Marketing I is a prerequisite for this course. An application is also required. *(Course qualifies for either senior level math elective or visual, performing & applied arts credit)*

Work Based Learning

0211 Semester 1 / 0212 Semester 2

Work Based Learning (WBL) involves the study of communication, career strategy, school-to-career transition, workplace expectations, and self-awareness. It is a program of on-the-job training for students who wish to work on a supervised program for credit. Students explore their chosen career pathway and gain valuable work experience in that pathway. Employers provide on-the-job training and will evaluate students twice each semester. Coordinators can assist students in finding a suitable placement related to their career pathway or students can use an existing job they found on their own. Students must provide their own transportation, may not be employed/supervised by a relative and be enrolled in a class related to their job. All students interested in WBL must see the WBL coordinator to complete an application before registering for this course.

1003 Recreational and Lifetime Activities

This course focuses on understanding and practicing basic skills and techniques of lifetime sports and activities in a friendly competitive setting. Instruction will include, but are not limited to handball, tennis, pickleball, softball, ultimate Frisbee, volleyball, soccer, badminton, floor hockey, flag football, swimming, international sports, and strength and cardiovascular conditioning. Assessment will include in-class participation, homework/in-class assignments and written/skill tests. This course may be retaken for credit.

1007 Sports Officiating

Knowledge of rules and officiating techniques will be learned in this class. This course is designed to enhance the student's knowledge of various selected sports, thereby leading to certification for their specific activities. Upon completion of this course, students will be referred for placement as paid officials in recreational leagues and summer programs.

1004 Weight and Body Training

Weight and Body Training is a course for the highly self-motivated student that will provide instruction in various training methods to help reach and maintain high levels of individual physical fitness. Training methods include, but are not limited to resistance training, plyometric training, agility and quickness training, and cardiovascular training. Students will utilize the fitness center, gymnasium, and indoor and outdoor facilities. Students will set personal goals and monitor their progress through a written progress journal. Active rest days will be included and take place in the gymnasium playing high energy sports and recreational games. This course may be retaken for credit.

Science

<u>Course Name</u>	<u>Course #</u>	<u>Grade</u>	<u>Prerequisite</u>	<u>Course Length/Credit</u>
Biology	1102 Sem 1 1103 Sem 2	9, 10, 11, 12	None	2 semesters, 1 credit
Biology (ESL)	1131E Sem 1 1132E Sem 2	9, 10, 11, 12	WIDA ACCESS/SCREENER Level 3.1 or higher	2 semesters, 1 credit
Chemistry	1110 Sem 1 1111 Sem 2	9, 10, 11, 12	Algebra I	2 semesters, 1 credit
Chemistry (ESL)	1150E Sem 1 1151E Sem 2	9, 10, 11, 12	Algebra I & WIDA ACCESS/ SCREENER Level 2.3 or higher	2 semesters, 1 credit
Physics	1114 Sem 1 1115 Sem 2	9, 10, 11, 12	Algebra I	2 semesters, 1 credit
Physics (ESL)	1152E Sem 1 1153E Sem 2	9, 10, 11, 12	Algebra I & WIDA ACCESS/ SCREENER Level 2.5 or higher	2 semesters, 1 credit
Advanced Placement Biology	1105 Sem 1 1106 Sem 2	10, 11, 12	Chemistry and Biology (highly recommended)	2 semesters, 1 credit
Advanced Placement Chemistry	1113 Sem 2 1112 Sem 1	10, 11, 12	Algebra II (required) and Chemistry (highly recommended)	2 semesters, 1 credit
		9	Honors Algebra II with a grade of 'B' or higher; concurrent enrollment in Honors Pre-Calculus or higher; prerequisite override form	
Advanced Placement Environmental Science	1121 Sem 1 1122 Sem 2	10, 11, 12	Grade of B- or higher in both Biology and Algebra I required (or teacher override); Chemistry highly recommended	2 semesters, 1 credit
Advanced Placement Physics C: Electricity and Magnetism	1118 Sem 1 1119 Sem 2	10, 11, 12	Must have completed or be enrolled in AP Calculus AB	2 semesters, 1 credit
Advanced Placement Physics C: Mechanics	1116 Sem 1 1117 Sem 2	10, 11, 12	Must have completed or be enrolled in AP Calculus AB	2 semesters, 1 credit
Forensic Science	1104	10, 11, 12	Biology, Chemistry, and Algebra I strongly recommended	1 semester, .5 credit
Genetics and Medical Technology	1109	10, 11, 12	Biology	1 semester, .5 credit
Human Anatomy & Physiology	1107	10, 11, 12	Biology (C or higher recommended)	1 semester, .5 credit
IB Biology HL1: Cell Biology and Genetics/AP Biology	1123 Sem 1 1124 Sem 2	11	Biology (recommended) & Chemistry (highly recommended)	2 semesters, 1 credit
IB Biology HL2: Botany and Human Biology	1125 Sem 1 1126 Sem 2	12	IB Biology HL1: Cell Biology and Genetics	2 semesters, 1 credit
IB Physics SL	1129 Sem 1 1130 Sem 2	11, 12	Algebra I	2 semesters, 1 credit

Course Name	Course #	Grade	Prerequisite	Course Length/Credit
IB Sports, Exercise and Health Science HL1	1146 Sem 1 1147 Sem 2	11, 12	None	2 semesters, 1 credit
IB Sports, Exercise and Health Science HL2	1148 Sem 1 1149 Sem 2	12	IB Sports, Exercise and Health Science HL1	2 semesters, 1 credit
Medical Careers Exploration	1108	11, 12	Human Anatomy & Physiology and completion of application	1 semester, .5 credit

- Some Science courses may qualify for the senior level math elective or a Visual, Performing & Applied Arts Requirement. This is noted in the following course descriptions and a full list can be found on pages 14-15.

Biology

1102 Semester 1 / 1103 Semester 2

This Biology course uses the Science and Engineering Practices and Crosscutting Concepts from the Michigan Science Standards to explore topics including Matter & Energy in Organisms & Ecosystems, Interdependent Relationships in Ecosystems, Structure & Function, inheritance and variation of Traits, and Natural Selection & Evolution.

Biology (ESL)

1131E Semester 1 / 1132E Semester 2

This is a sheltered class for ESL students only. This Biology course uses the Science and Engineering Practices and Crosscutting Concepts from the Michigan Science Standards to explore topics including Matter and Energy in Organisms and Ecosystems, Interdependent Relationships in Ecosystems, Structure and Function, Inheritance and Variation of Traits, and Natural Selection and Evolution. Instruction is delivered using the SIOP (Sheltered Instruction Observation Protocol) method by a SIOP-trained teacher., Recommended English proficiency of 3.1 or higher on WIDA ACCESS/SCREENER.

Chemistry

1110 Semester 1 / 1111 Semester 2

This chemistry course uses the Science & Engineering Practices and Crosscutting Concepts from the Michigan Science Standards to explore topics including Structure of the Atom, Matter & the Periodic Table, Energy & Reactions, and Environmental Chemistry.

Chemistry (ESL)

1150E Semester 1 / 1151E Semester 2

This course uses the Science and Engineering Practices and Crosscutting Concepts from the Michigan Science Standards to explore topics including Structure of the Atom, Matter and The Periodic Table, Energy and Reactions, and Environmental Chemistry. This course is taught by a SIOP (Sheltered Instruction Observation Protocol) trained teacher. It is recommended that students have a WIDA ACCESS/SCREENER level of 2.3 or high to take this course.

Physics

1114 Semester 1 / 1115 Semester 2

This Physics course uses the Science & Engineering Practices and Crosscutting Concepts from the Michigan Science Standards to explore topics including Forces & Interactions, Energy, Waves & Electromagnetic Variation, and Astro & Planetary Physics.

Physics (ESL)

1152E Semester 1 / 1153E Semester 2

This course uses the Science and Engineering Practices and Crosscutting Concepts from the Michigan Science Standards to explore topics including Forces and Interactions, Energy, Waves and Electromagnetic Variation, and Astronomy and Planetary Physics. This course is taught by a SIOP (Sheltered Instruction Observation Protocol) trained teacher. It is recommended that students have a WIDA ACCESS/SCREENER level of 2.5 or higher to take this course.

Advanced Placement Biology

1105 Semester 1 / 1106 Semester 2

The AP Biology course at Novi High School is a full year course. We have adequate time built into our schedule to allow students to complete the course material in a reasonable manner with three weeks devoted to review and preparation for the AP exam. The AP Biology course at Novi High School conforms to the standards instituted by the College Board for all AP Courses. All topics in *The AP Biology Curriculum Framework* are included. The course is organized into four units utilizing the Big Ideas included in the curriculum framework.

Unit One: Evolution- The process of evolution drives the diversity and unity of life.

Unit Two: Energy Utilization- Biological systems utilize free energy and molecular building blocks to grow, to reproduce and to maintain dynamic homeostasis.

Unit Three: Information storage and processing- Living systems store, retrieve, transmit and respond to information essential to life processes.

Unit Four: Biological Interactions: Biological systems interact, and these systems and their interactions possess complex properties.

Emphasis on the following seven science processes will be integrated within the course and will be reinforced through a variety of laboratory experiences throughout the year.

1. The student can use representations and models to communicate scientific phenomena and solve scientific problems.
2. The student can use mathematics appropriately.
3. The student can engage in scientific questioning to extend thinking or to guide investigations within the context of the AP course.
4. The student can plan and implement data collection strategies appropriate to a particular scientific question.
5. The student can perform data analysis and evaluation of evidence.
6. The student can work with scientific explanations and theories.
7. The student is able to connect and relate knowledge across various scales, concepts and representations in and across domains.

Prerequisites: Chemistry (highly recommended) and Biology (highly recommended)

AP Biology/IB Biology HL 1: Cell Biology and Genetics

1123 Semester 1 / 1124 Semester 2

Beginning in the fall of 2021, IB Biology will now include AP Biology. This means that students taking IB Biology HL 1 will learn the AP Biology curriculum and prepare for the AP exam during year I of the course. Then, in year II, students will complete the IB Biology HL curriculum and prepare for the IB Biology examination. *Due to the requirements of the IB Program, this course option is only available for 11th graders.* In addition to the AP curriculum, students will delve deeper into AP/IB cross-course concepts in year I and have an increased number of laboratory experiences to align with the IB curriculum. Students that sign up for this course are committing to a 2 year program: AP/IB biology in year 1, and IB Biology HL 2 in year 2. Students interested in life or medical sciences after high school are strongly encouraged to consider this course as the second year dives into anatomy and physiology, neuroscience, and statistical analysis.

The course is organized into four units utilizing the Big Ideas from AP Biology included in the curriculum framework and supplementing these ideas with additional material from the IB Biology framework.

Unit One: Biochemistry and Cells- Biological systems utilize free energy and molecular building blocks to grow, to reproduce and to maintain dynamic homeostasis.

Unit Two: Genetics- Living systems store, retrieve, transmit and respond to information essential to life processes.

Unit Three: Ecology- Biological systems interact, and these systems and their interactions possess complex properties.

Unit Four: Evolution- The process of evolution drives the diversity and unity of life.

Prerequisites: Chemistry (highly recommended) and Biology (recommended)

Advanced Placement Chemistry

1112 Semester 1 / 1113 Semester 2

Advanced placement chemistry is a college-level, fast paced course that places an increased importance on the topics covered in general chemistry. Topics such as the structure of matter, kinetic theory of gases, chemical equilibrium, kinetics, and thermodynamics are presented in considerable depth. There is also more emphasis on laboratory investigations and chemical calculations. *(Course qualifies for senior level math elective)*

Advanced Placement Environmental Science

1121 Semester 1 / 1122 Semester 2

The AP Environmental Science (APES) course at NHS is a full year course designed to prepare students for the College Board Advanced Placement Environmental Science Exam. The goal of this course is to expose students to the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world; to identify and analyze problems both natural and human-made; to evaluate the relative risks associated with these problems; and to examine the alternative solutions for resolving and/or preventing them. Several themes cut across the many topics covered in APES, including: (1) science is a process of learning about how the world works and changes; (2) energy conversions underlie all ecological processes; (3) the Earth is one interconnected system made up of related, smaller systems; (4) humans alter natural systems; (5) environmental problems have a cultural and social context; and (6) human survival depends on developing sustainable practices. Major units of study include sustainability; life on earth; human population growth (including implications of this growth, and possible ways to impact this growth); earth systems and resources; land and water resources; energy resources; global change (including climate change and loss of biodiversity); and hazards to human health, including pollution of water and air and creation of solid and hazardous wastes. The use of technology and collaboration will be stressed.

Advanced Placement Physics C: Electricity and Magnetism

1118 Semester 1 / 1119 Semester 2

Advanced Placement Physics C: Electricity and Magnetism is equivalent to a first year college-level physics course. The course will address concepts related to electrostatics, conductors, capacitors, dielectrics, electric circuits, magnetic fields, and electromagnetism. Students will use methods of calculus, when appropriate, to study and solve problems in the classroom and laboratory. *(Course qualifies for senior level math elective)*

Advanced Placement Physics C: Mechanics

1116 Semester 1 / 1117 Semester 2

Advanced Placement Physics C: Mechanics is equivalent to a first year college-level physics course. The course will address concepts related to kinematics, Newton's laws of motion, work, energy, and power, linear momentum, circular motion and rotation, and oscillations and gravity. Students will use methods of calculus, when appropriate, to study and solve problems in the classroom and laboratory. *(Course qualifies for senior level math elective)*

1104 Forensic Science

Forensic Science is the study of the application of science to areas of law. Topics include introduction to law, types of civil and criminal cases, Michigan crimes, crime scene analysis, evidence, handwriting, fingerprinting, blood, blood spatter, footprints, chemical testing of unknown substances, hair and fiber evidence, trace evidence, DNA and forensic medicine. Throughout the year, students will participate in lectures, discussions, laboratory investigations, videos and more. This is an upper level class for college bound students. Strongly recommended prerequisites include Biology, Chemistry.

1109 Genetics and Medical Technology

Genetics and Medical Technology is an enrichment course for students wishing to increase their knowledge in medical and genetic research. Students will explore and build skills for careers as doctors, nurses, genetic counselors, clinical laboratory technologists, medical technologists, and clinical laboratory technicians. In the last 25 years, the U.S. biotechnology industry has created more than 198,000 high-quality jobs, at over 1,400 pharmaceutical, agricultural, industrial and instrumentation biotechnology companies, plus

more at academic and government agencies. This course will provide students with the basic knowledge and skills necessary to take advantage of these career opportunities. Students will learn about and use the medical and genetic technologies that are making news headlines. This includes isolation and manipulation of DNA, DNA fingerprinting and medical diagnostic tests. *(Course qualifies for senior level math elective)*

1107 Human Anatomy and Physiology

Human Anatomy and Physiology is an in-depth examination of the structures (Anatomy) and functions (Physiology) of the Human body. The course will begin with an overview of the human body followed by examinations of the various organ systems including skeletal, muscular, integument, cardiovascular, digestive, respiratory, excretory, reproductive, and nervous. Material will be related to real world applications with emphasis on health and medical condition. This class includes a practical dissection experience.

IB Biology HL 1: Cell Biology and Genetics/AP Biology

1123 Semester 1 / 1124 Semester 2

Beginning in the fall of 2021, IB Biology will now include AP Biology. This means that students taking IB Biology HL 1 will learn the AP Biology curriculum and prepare for the AP exam during year I of the course. Then, in year II, students will complete the IB Biology HL curriculum and prepare for the IB Biology examination. *Due to the requirements of the IB Program, this course option is only available for 11th graders.* In addition to the AP curriculum, students will delve deeper into AP/IB cross-course concepts in year I and have an increased number of laboratory experiences to align with the IB curriculum. Students that sign up for this course are committing to a 2 year program: AP/IB biology in year 1, and IB Biology HL 2 in year 2. Students interested in life or medical sciences after high school are strongly encouraged to consider this course as the second year dives into anatomy and physiology, neuroscience, and statistical analysis.

The course is organized into four units utilizing the Big Ideas from AP Biology included in the curriculum framework and supplementing these ideas with additional material from the IB Biology framework.

Unit One: Biochemistry and Cells- Biological systems utilize free energy and molecular building blocks to grow, to reproduce and to maintain dynamic homeostasis.

Unit Two: Genetics- Living systems store, retrieve, transmit and respond to information essential to life processes.

Unit Three: Ecology- Biological systems interact, and these systems and their interactions possess complex properties.

Unit Four: Evolution- The process of evolution drives the diversity and unity of life.

Prerequisites: Chemistry (highly recommended) and Biology (recommended)

IB Biology HL 2: Botany and Human Biology

1125 Semester 1 / 1126 Semester 2

This is the second course in the two-year IB HL Biology curriculum. Topics include Plant Biology, Anatomy and Physiology, Neurobiology, and statistical analysis. During this year, students will complete a student-driven laboratory or research project (internal assessment). Upon completion of year 2, students will be prepared for the IB HL exam. This course meets the Michigan Merit curriculum requirements for Life Science and also includes an introduction to important topics in the medical fields. IB certification will be by external and internal examination and colleges may offer credit for impressive scores.

IB Physics SL

1129 Semester 1 / 1130 Semester 2

The IB Physics SL course will provide students with a challenging and rewarding experience in Physics. The course will focus on developing conceptual understanding and problem-solving skills through the study of the following topics: Physics and physical measurement, mechanics, thermal physics, oscillations and waves, electric current, fields and forces, atomic and nuclear physics, energy, power and climate change. Students will actively participate in their learning through discussions and investigations linked to the different theoretical concepts. The course will seek to foster students' appreciation of the scientific process while building collaborative, manipulative, and analytical skills. Problem solving will not require calculus; however, a strong background in Mathematics is beneficial. Students may elect to take the course for IB certification, a process that involves internal and external assessments. Students who elect this option will be responsible for the related fees. *(Course qualifies for senior level math elective)*

IB Sports, Exercise and Health Science HL1

1146 Semester 1 / 1147 Semester 2

This course can be taken to meet the Group 4 HL requirement for the IB diploma or certificate program. This is the first course in a two-year IB HL curriculum. SEHS incorporates the traditional disciplines of anatomy and physiology, biomechanics, psychology and nutrition, which are studied in the context of sports, exercise and health. Students will cover six core topics, seven additional high level topics and two option topics (chosen by the teacher), and carry out practical (experimental) investigations in both laboratory and field settings. This will provide an opportunity to acquire the knowledge and understanding necessary to apply scientific principles and critically analyze human performance. *(Course qualifies for senior level math elective)*

IB Sports, Exercise and Health Science HL2

1148 Semester 1 / 1149 Semester 2

This is the second course in a two-year IB HL curriculum. Upon completion students will be prepared for the IB Sports, Exercise and Health Science HL Exam. **The completion of IB SEHS HL 2 fulfills the Novi High School Health and PE Credit.** *(Course qualifies for senior level math elective)*

1108 Medical Careers Exploration

The Medical Careers Exploration course is part of the Providence Park Hospital—Novi Community Schools Partnership. Students enrolled in this course will explore in detail a wide variety of medical and health services careers. Web based research and information gathering regarding each career pathway will occur on the high school campus, with hands-on follow-up to occur on the Providence Park Hospital campus or be provided by Providence personnel. *(Course qualifies for visual, performing & applied arts credit)*

Note: This course will be scheduled to take place during an extended 6th period, with students dismissed 14 minutes after the end of the regularly scheduled school day.

* Students interested in this course must complete the application available on the Novi High School Counseling website (see Class Applications under the Scheduling link).

Social Studies

<u>Course Name</u>	<u>Course #</u>	<u>Grade</u>	<u>Prerequisite</u>	<u>Course Length/Credit</u>
US History: 1877 to Present	1200 Sem 1 1201 Sem 2	9, 10, 11, 12	None	2 semesters, 1 credit
U.S. History: 1877 to Present (ESL)	1224E Sem 1 1225E Sem 2	9, 10, 11, 12	WIDA ACCESS/SCREENER Level 2.2 or higher	2 semesters, 1 credit
Civics	1202	9, 10, 11, 12	If taking in 9th grade, must have earned a 'B' or higher in all previous Social Studies and English courses	1 semester, .5 credit
Civics (ESL)	1202 CIV E	10, 11, 12	WIDA ACCESS/SCREENER Level 2.8 or higher	1 semester, .5 credit
Economics	1203	9, 10, 11, 12	Recommended after successful completion of Civics	1 semester, .5 credit
Economics (ESL)	1203 ECO E	10, 11, 12	WIDA ACCESS/SCREENER Level 2.5 or higher	1 semester, .5 credit
World History	1208 Sem 1 1209 Sem 2	11, 12	None	2 semesters, 1 credit
World History (ESL)	1232E Sem 1 1233E Sem 2	11, 12	WIDA ACCESS/SCREENER Level 3.3 or higher	2 semesters, 1 credit
Advanced Placement European History	1212 Sem 1 1213 Sem 2	10, 11, 12	Earned a 'B' or higher in all previous Social Studies and English courses	2 semesters, 1 credit
Advanced Placement Macroeconomics	1611 Sem 2	10, 11, 12	Successful completion or concurrent enrollment in AP US Gov., Civics, or AP Microeconomics	1 semester, .5 credit
Advanced Placement Microeconomics	1610 Sem 1	10, 11, 12	Earned a 'B' or higher in Algebra II or concurrent enrollment in Honors Algebra II or above	1 semester, .5 credit
Advanced Placement Psychology	1216 Sem 1 1217 Sem 2	11, 12	Earned a 'B' or higher in all previous English and Biology courses	2 semesters, 1 credit
Advanced Placement U.S. Government & Politics	1218 Sem 1 1219 Sem 2	10, 11, 12	Earned a 'B' or higher in all previous Social Studies and English courses	2 semesters, 1 credit HL1/SL
Advanced Placement United States History	1214 Sem 1 1215 Sem 2	10, 11, 12	Earned at least a 'B+' or higher in Social Studies and ELA9	2 semesters, 1 credit
Big History	1234	10, 11, 12	None	1 semester, .5 credit
Detroit History	1210	9, 10, 11, 12	None	1 semester, .5 credit
IB 20th Century World History HL1/SL	1230 Sem 1 1231 Sem 2	11, 12	None	2 semesters, 1 credit
IB History of the Americas HL2	1237 Sem 1 1238 Sem 2	12	IB 20th Century World History HL1	2 semesters, 1 credit
IB Theory of Knowledge 1	1228	11	None	1 semester, .5 credit

Course Name	Course #	Grade	Prerequisite	Course Length/Credit
<i>(Junior Year, Semester 2)</i>				
IB Theory of Knowledge 2 <i>(Senior Year, Semester 1)</i>	1229	12	IB Theory of Knowledge 1	1 semester, .5 credit
International Relations	1204	10, 11, 12	None	1 semesters, .5 credit
Psychology	1206	10, 11, 12	None	1 semester, .5 credit
Sociology	1207	10, 11, 12	None	1 semester, .5 credit

United States History: 1877 to Present

1200 Semester 1 / 1201 Semester 2

The study of United States history prepares students to take up the challenges of life in contemporary society. This full year course introduces students to the history of the United States with a focus on the post-Civil War Industrial age to the present day. Students learn about major political, cultural, and historical underpinnings of our society. Throughout this course, students analyze the causes and effects of events in the nation's past using primary and secondary sources to explore time and place in the twentieth century. Throughout the course students learn to develop important questions, conduct inquiry, and evaluate evidence. They also read a variety of historical arguments and develop skills in writing evidentiary-based arguments and historical narratives. By helping identify common and diverse strands that formed and continue to shape life in America, students develop the habits of mind essential for democratic citizenship.

U.S. History: 1877 to Present (ESL)

1224E Semester 1 / 1225E Semester 2

This is a sheltered class for ESL students only. The study of United States history prepares students to take up the challenges of life in contemporary society. This full year course introduces students to the history of the United States with a focus on the post-Civil War Industrial Age to the present day. Students learn about major political, cultural, and historical underpinnings of our society. Throughout the course, students analyze how our core ideals have shaped our collective past and explore implications for the future. Students analyze the causes and effects of events in the nation's past using primary and secondary sources to explore time and place in the twentieth century. Throughout the course students learn to develop important questions, conduct inquiry, and evaluate evidence. They also read a variety of historical arguments and develop skills in writing evidentiary-based arguments and historical narratives. By helping identify common and diverse strands that formed and continue to shape life in America, students develop the habits of mind essential for democratic citizenship. Instruction is delivered using the SIOP (Sheltered Instruction Observation Protocol) method, by a SIOP-trained teacher. Recommended English proficiency level of 2.2 or higher on WIDA ACCESS/SCREENER.

1201 Civics

This is a one semester course that will enable students to develop the knowledge and skills necessary for active participation in a democratic society. Students will become informed citizens in regard to the principal purpose and function of their local, state and federal government. In addition the origins of the American political system are addressed, as are the roles, rights and responsibilities of United States citizens. Students will also be afforded an understanding of the major political institutions in the United States. Successful completion of this course is required for graduation.

1202-CIV-E Civics (ESL)

This is a sheltered class for ESL students only. This is a one semester course that will enable students to develop the knowledge and skills necessary for active participation in a democratic society. Students will become informed citizens in regard to the principal purpose and function of their local, state and federal government. In addition the origins of the American political system are addressed, as are the roles, rights and responsibilities of United States citizens. Students will also be afforded an understanding of the major political institutions in the United States. Successful completion of this course is required for graduation. Instruction is delivered

using the SIOP (Sheltered Instruction Observation Protocol) method, by a SIOP-trained teacher. Recommended English proficiency level of 2.8 or higher on WIDA ACCESS/SCREENER.

1203 Economics

This is a one semester course that will introduce students to the basic tools of both microeconomic and macroeconomic analysis. Microeconomics deals with consumers, firms, markets, income distribution and personal finance and budgeting. Macroeconomics deals with national income, employment, inflation, money and the government's role in the economy. Successful completion of this course is required for graduation.

1203-ECO-E Economics (ESL)

This is a sheltered class for ESL Students only. This is a one semester course that will introduce students to the basic tools of both microeconomic and macroeconomic analysis. Microeconomics deals with consumers, firms, markets, income distribution and personal finance and budgeting. Macroeconomics deals with national income, employment, inflation, money and the government's role in the economy. Successful completion of this course is required for graduation. Instruction is delivered using the SIOP (Sheltered Instruction Observation Protocol) method, by a SIOP-trained teacher. Recommended English proficiency level of 2.5 or higher on WIDA ACCESS/SCREENER.

World History, 300 C.E. to Present

1208 Semester 1 / 1209 Semester 2

This course explores the interactions of civilizations from the decline of ancient empires through a study of the impact of globalization. Particular attention to the interaction of civilizations through war, trade, expansion, and other relationships will take precedence over a specific nation by nation study of the world. As a class, we will study the major themes, trends, and transitions that established the global world of today. We will conclude first semester by examining the Industrial Revolution and how that global phenomenon encouraged global interaction. Second semester begins with the development of nation-states and ends with an analysis of the current state of global interaction.

World History (ESL)

1232E Semester 1 / 1233E Semester 2

How did societies, networks, and transitions impact globalization?

This is a sheltered class for ESL students only. This course explores the interactions of civilizations from the decline of Ancient Empires through the current debate about globalization. Particular attention to the interaction of civilizations through war, trade, expansion, and other relationships will take precedence over a specific nation by nation study of the world. The interaction of people became increasingly important through a system of societies, networks and transitions, as the world of societies modernized and becomes increasingly global. As a class we will study the major themes, trends, and transitions. We will conclude the first semester by examining a global phenomenon that dramatically changed the way of life, the Industrial Revolution. Second semester picks back up with the global revolutions and concludes with a study of the current state of globalization. Instruction is delivered using the SIOP (Sheltered Instruction Observation Protocol) method, by a SIOP-trained teacher. Recommended English proficiency level of 3.3 or higher on WIDA ACCESS/SCREENER.

Advanced Placement European History

1212 Semester 1 / 1213 Semester 2

The average person looks at history and labels it, but historians look at history and learn from it. If we are to take that approach with our European History class what can we learn? While employing the historical process, we will ask, "Why Europe?" Each period of European history offers its own answer to this question. Our task, this year, is to find those answers and piece together an account of European history. In this way we will develop (a) an understanding of some of the principal themes in modern European history, (b) an ability to analyze historical evidence and historical interpretation, (c) an ability to apply historical skills to that analysis such as significance, cause and effect, change over time, and continuity and change, and (d) an ability to express historical understanding in writing. Summer Reading will be given in June.

Advanced Placement Macroeconomics

1611 Semester 2

This is a one semester, college level course that will give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector stabilization policies, economic growth, and international economics. **Graduation requirement can be obtained by either taking general economics only, taking both AP Courses or taking one AP and one general economics. This class is recommended for juniors and seniors. Sophomores may enroll but do so understanding that the workload and content are both college level and pace.*

Advanced Placement Microeconomics

1610 Semester 1

This is a one semester, college level course that will give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. **Graduation requirement can be obtained by either taking general economics only, taking both AP Courses or taking one AP and one general economics. This class is recommended for juniors and seniors. Sophomores may enroll but do so understanding that the workload and content are both college level and pace.*

Advanced Placement Psychology

1216 Semester 1 / 1217 Semester 2

AP Psychology studies the behaviors and mental processes of human beings and other animals in a systematic and scientific manner, and is designed to be the equivalent of an introductory college psychology course. Students are encouraged to take the College Board's Advanced Placement Exam (there is an examination fee). Units of study include: scientific foundations of psychology, biological bases of behavior, sensation and perception, learning, cognitive psychology, developmental psychology, motivation, emotion, and personality, clinical psychology, and social psychology. Students will develop the skills necessary to be successful on the Advanced Placement exam in Psychology.

Advanced Placement U.S. Government & Politics

1218 Semester 1 / 1219 Semester 2

Contribution to an enlightened and engaged citizenry, the foundation for democratic societies, is the primary objective of this course. Throughout the year, students will thoughtfully analyze a wide array of sources seeking to better understand the workings of the American political system. Through class lectures, readings, discussions and simulations for each unit students will be able to:

1. Understand the nature and function of American government, including key documents, leaders and laws.
2. Express in written and oral form, arguments and analyses regarding recurrent themes of the American political system over time, as well as of contemporary relevance
3. Use political science as a discipline to further a more complete understanding of American government and politics.
4. Maximize their scores on the end of the year AP examination.

(Graduation Credit can be earned by taking general civics or a full year of AP US Government & Politics)

Advanced Placement United States History

1214 Semester 1 / 1215 Semester 2

For AP U.S. History, students become historians for the year. In the course, which covers two semesters, students make arguments about the past as they learn the content of America's amazing story. In doing so, students practice critical thinking skills that are needed on the AP exam and beyond. Coursework is the equivalent of an introductory college history course. Students will read, analyze historical sources, discuss and debate, take lecture notes, present lessons to the class, work collaboratively, and write Essays.

1234 Big History

Big History weaves evidence and insights from many scientific and historical disciplines into a single, accessible origin story- one that explores who we are, how we got here, how we are connected to everything around us, and where we may be heading. This course is

a combination of both historical thinking and scientific inquiry. This course is designed to help you question the world around you and to help you draw conclusions as to who we really are.

1210 Detroit History

This is a one semester course that will allow students to investigate the 300+ years of history of Michigan's largest city. Topics of study will include Detroit's role in the Underground Railroad, immigration, industrialization and the automobile, World War 2, Motown, race riots, and the 21st century revival of the city. By the end of the course, students will develop their own service project and make a real impact on their local community (and earn community service hours)!

IB 20th Century World History HL 1/SL

1230 Semester 1 / 1231 Semester 2

IB 20th Century World History: Authoritarian States, Causes and Effects of 20th Century Wars. We will start the year by looking at the rise of communism through both the Russian Revolution and the Chinese Revolution. Throughout the unit, we will look for an understanding of the authoritarian leaders that arose from the conflicts (Stalin and Mao). Unit 2 will focus on Fascism and the rise of Mussolini and Hitler. We will also be focusing on similarities and differences of their rise and consolidation of power. Unit 3 will be a study of Japanese Expansion from the Russo-Japanese War (1904-1905) to the Sino Japanese War (1937-1941). Unit 4 will look at the causes, practices and effects of WW1. While Unit 5 will analyze the causes, practices and effects of WW11. Throughout the year we will be focused on a variety of skills.

IB History of the Americas HL2

1237 Semester 1 / 1238 Semester 2

IB History of the Americas is a college-level course that will focus on the Americas (both North and South) during the period in which the hemisphere emerged as a world power. The course is based on a comparative, multi-perspective approach to history and focused around key historical concepts such as change, causation and significance. It involves the study of a variety of types of history, including political, economic, social and cultural, encouraging students to think historically and to develop historical skills. In this way, the course involves a challenging and demanding critical exploration of the past. Study will include units on American Imperialism, the two World Wars, and the Cold War. Students will acquire key historical skills such as research, analysis of sources, development of an academic research essay. Students will be encouraged to take the IB Exams in May for college credit.

IB Theory of Knowledge (TOK) 1 and 2

1228 Junior Year / 1229 Senior Year

This course creates a framework to explore the interconnectedness of knowledge. The central course question is "How do we know what we know?" Through the investigation of this question, students will explore how we gain, categorize and judge knowledge, as well as how we handle the complexity of and contradiction within knowledge. Students will become aware of their own thinking and recognize the implication of how we value knowledge in our increasingly interconnected world. This class is central to the education philosophy of the International Baccalaureate. While it is open to all 11th and 12th grade students, IB diploma candidates will begin the class 2nd semester of their junior year and complete it in the 1st semester of their senior year.

1204 International Relations

Making sense of a world seemingly in turmoil is the best way to describe International Relations. The study of diplomatic history, conflict and compromise, and world geography, students will work collaboratively to examine and analyze past and current events. Working through the lens of America's role in the post-9/11 world, this course offers a variety of opportunities for the student to explore the global challenges facing humanity today.

1206 Psychology

Psychology is the scientific study of behavior and mental processes. Answers to the questions "Why do we do what we do?" and "Why do we think the way we think?" will be discovered through basic psychological principles, concepts and theories. Topics include History/Research; Biopsychology; Developmental Psychology; Cognitive Psychology; Abnormal Psychology; and Social Psychology.

Students will be engaged in a wide variety of activities, including research projects, presentations, hands-on activities, skits, discussions, and note taking.

1207 Sociology

Sociology explores whether our individual beliefs, values, skills, achievements and circumstances are a result of our own personal ambitions/choices or whether the larger social, cultural, political, and economic forces that surround us shape us to a larger extent. Units of exploration include the history of Sociology and the Sociological Perspective, Social Research Methods, Group Behavior, Culture, Social Stratification, Race, and Gender. Students partake in social research, in-depth discussions, presentations, note taking, small group projects and a pen pal project with students at Academy of the Americas in Southwest Detroit.

Special Services

Novi High School offers a Continuum of Services through co-teaching and co-departmental classes where students are supported to meet the Michigan Merit Curriculum.

Co-taught classes provide student instruction from two highly qualified teachers in a given subject matter, at 100% of the curriculum.

Co-departmental classes provide student instruction from two highly qualified teachers in a given subject matter, with a paced, accommodated, curriculum.

Integrated Studies class provides Specially Designed Instruction from one highly qualified special education teacher in the area of a student's Individual Education Plan (IEP) goals and transitional needs.

Course Name	Course #	Grade	Prerequisite	Course Length/Credit
ERD Applied Skills	1300 Sem 1 1301 Sem 2	9, 10, 11, 12	Caseload Teacher Recommendation	2 semesters, 1 credit
ERD General Math		9, 10, 11, 12	Caseload Teacher Recommendation	2 semesters, 1 credit
ERD General Reading		9, 10, 11, 12	Caseload Teacher Recommendation	2 semesters, 1 credit
Integrated Studies	1336 Sem 1 1354 Sem 2	9, 10, 11, 12	Caseload Teacher Recommendation	2 semesters, 1 credit
Linguistics 1	1328 Sem 1 1341 Sem 2	9, 10, 11, 12	Caseload Teacher Recommendation	2 semesters, 1 credit
Linguistics 2	1329 Sem 1 1330 Sem 2	9, 10, 11, 12	Linguistics 1	2 semesters, 1 credit

ERD Applied Skills

1300 Semester 1 / 1301 Semester 2

This course concentrates on the social skills, communication, mobility and process skills that are necessary for interacting in the local community as well as the workplace. This includes: self determination, self awareness, self advocacy, and workplace competencies.

The basic structure of this course is comprised of modular, hands-on, engaging activities that focus on six key skill areas: communication, enthusiasm and attitude, teamwork, networking, problem solving and critical thinking and professionalism. In tandem, NHS Supporting staff incorporates essential post-secondary skills including, but not limited to; self-reliance, social pragmatics, and organization.

ERD General Math

Semester 1 / Semester 2

This course focuses on developing necessary "real world" mathematical concepts such as: time management, money, consumerism, schedules, etc. General Math is designed to help students improve numeracy so that they can use mathematics efficiently and critically to make informed decisions in their daily lives. This course will run every other year.

ERD General Reading

1327 Semester 1 / 13226 Semester 2

This course will focus on basic reading skills that teach comprehension strategies to support access in the General Education Curriculum, the pre-vocational setting, and within the community. Curriculum focuses on developing functional skills used to comprehend and interpret informational texts, determine fact from opinion, and to draw conclusions from the information at hand. Similarly, writing focuses on the use of technology, formulating complete and organized thoughts, as well as spelling and grammar. This course will run every other year.

differentiated instruction for students who are struggling or students who need to be challenged further at no cost. To receive credit, students must have a grade of 60% or better after completing 100% of the coursework. Students will receive credit/no credit for MIVHS credit recovery coursework, rather than a letter grade. Note: Students are permitted to enroll in two MIVHS credit recovery class periods per semester. Further information about course offerings in the MIVHS program is available online at [Online High School and Middle School Courses - For Students - Michigan Virtual](#) Counselor recommendation is required in order for a student to enroll in this course.