Adult & Continuing Education Program of Study

2011-2012

Program Descriptions

Adult Basic Education (A.B.E.) These classes are tutorial in nature. You will work with a tutor or in small group settings in reading, basic, math and the English Language. Free to qualifying individuals.

Adult High School Completion (HSC): Students ages 20 and over may earn credit toward a high school diploma. Free to those without a high school diploma. Livonia School District residence not required.

English As A Second Language (E.S.L.): Non-native speaking persons gain experience in speaking, reading and writing English through an open enrollment program. E.S.L. is free to qualifying individuals.

General Education Development (G.E.D.): Students who have not completed high school may take the class to prepare for the G.E.D. test. Upon the successful completion of the G.E.D. test, the student is issued a GED Certificate from the State of Michigan. The class is free to those 20 years and older, any residence, without a high school diploma.

Computers

1590/2590 – Software Media Management 9-10-11-12 (1 Semester) .5 credit
(Formerly Information Technology 1)
Prerequisite: Keyboarding skills are recommended
Software Media Management is taught on PCs using the Windows operating system and Microsoft Office. Students will develop technology skills using the system and Microsoft Office. Students will develop technology skills using the internet, Word, PowerPoint, Excel and Access. Technical reading, critical thinking, business practices and employability skills are integrated into the course. Course work will be completed in class. This course prepares students for Microsoft Office User Specialist (MOUS) Certification.

Senior Math Credit Applied Arts Credit

1591-2591 – Advanced Software Media Management 9-10-11-12 .5 credit (1 Semester)
(Formerly Information Technology 2)
Prerequisite: Software Media Management
This course will allow students to acquire advanced media technology skills, internet site design software, Publisher/presentation design software and computer graphic media will be integrated with the advanced Microsoft office applications. Technical reading, critical thinking, business practices and employability skills are integrated into the course. Students will be required to create portfolios. This course prepares students for expert positions in a business environment and prepares students for Microsoft Office User Specialist (MOUS) Certification.

Senior Math Credit Applied Arts Credit

1468/2468 – Health (1 Semester) (typically taken in tenth grade year)

Note: Health is a graduation requirement. It is recommended that the student take this course in 10th grade.

This one-semester course will enable students to become better informed regarding decisions about the care and maintenance of their personal health. Students will be instructed in the following units:

- Nutrition and Physical Activity
- Alcohol, Tobacco, and Other Drugs
- Social and Emotional Health
- Personal Health and Wellness

A unit on human sexuality and reproduction will also be taught to develop student self-awareness and coping with personal feelings in everyday problems and situation. A parent/guardian meeting will be held for review of materials and course outline. If a parent/guardian requests that their child be excluded from this unit, alternate assignments for this unit will be available upon parent/guardian request.

Language Arts

College Preparatory Courses

1101/2101 – Language Arts 9 (NCAA)

Prerequisites: None

Through a thematic approach to classic and contemporary narrative and informational texts, students will strengthen skills in six strands: reading, writing, speaking, listening, viewing and representing. Ninth graders will connect with and respond to texts by analyzing relationships within and across families, communities, societies, governments and economies. Through the lens of Inter-Relationships and Self-Reliance, they will consider how they build relationships, how their relationships impact others and how they are responsible to society.

1108/2108 – Language Arts 10 (NCAA)

Prerequisites: Tenth grade status

In Language Arts 10, students will extend their studies of classic and contemporary narrative and informational texts with a special focus on American literature. By connecting with and responding to texts through critical response and stance, students will assess and modify their beliefs. This is a two-semester, college preparatory course for high-achieving juniors, their views of the world and the powers that impact them.

JUNIOR LEVEL: TWO SEMESTERS REQUIRED

1111/1211 – Composition (NCAA) (1 Semester)

Prerequisites: Completion of ELA 10

This course assists students in developing their writing skills in more formalized language situations. Students will study elements of composition such as usage and punctuation while practicing forms such as persuasion, comparison and personal narrative. Students will examine various tests – such as articles, essays and short stories – for style, structure, audience and tone. Students will also develop strategies to read critically and successfully manage reading and writing tasks on standardized tests. Emphasis will be on journals, multi-paragraph essays, basic research skills, documentation form and the process of revision.

1196 – Conflicts and Compromise
Prerequisite: Senior status
Through both fiction and nonfiction, students will explore and discuss conflicts and comprises in current interpersonal, personal and world issues. Students will be active participants and presenters as they develop their own leadership abilities. Students will share their insights and understanding of leadership and their views of the modern world.

1109/2109 – Language Arts 10B
Prerequisites: Successful completion of both semesters of Language Arts 9B or by teacher recommendation and approval of department chair.
This course follows the goals of Language Arts 10 with emphasis on continued improvement of basic skills in reading, writing, speaking, listening, viewing and representing.

1133/2133 – Reality Literature B (1Semester)
Prerequisite: None (satisfies junior requirement)
Building on the skills of ELA 9 and 10, students will explore different perspectives in a changing world through a variety of texts and writing experiences. This course will focus on fiction and nonfiction with real life applications and connections.

General Program

1343/2243 – Geometry B
Prerequisites: Recommendation from the middle school or high school Mathematics Department.
This course includes covers the topics of geometry at a basic level. Algebraic concepts are applied and expanded throughout this course.

1342/2342 –Algebra B
Prerequisites: Successful completion of Geometry B or math department chair approval.
This course provides for the study of the real number system and families of functions including linear, exponential and quadratic at a basic level. Students will also begin to develop their knowledge of power and polynomial patterns of change. Students will develop an understanding that algebraic thinking is s powerful tool which can be used to model and solve real-world problems. Students who take this course must enroll in intermediate Algebra B as a junior and then Algebra 2B as a senior in order to receive credit for Algebra 1 and Algebra 2.

1320/2320 – Intermediate Algebra B
Prerequisites: Success completion of Geometry B and successful completion of Algebra B or math department chair approval.
Intermediate Algebra B is the second year of a three year series of courses that cover Algebra 1 and Algebra 2 content. Students who take this course must enroll in Algebra 2B in their senior year in order to receive credit for Algebra 2.
This course continues to develop the algebraic thinking and skills begun in Algebra B. Students will study the definitions, representations and attributes of families of functions including exponential, polynomial and logarithmic, systems of equations and inequalities and real and complex numbers.

1327/2327 – Algebra 2B

Prerequisites: Successful completion of Intermediate Algebra B or teacher recommendation.

Algebra 2B is the third year of a three year series of courses that cover Algebra semester of Intermediate Algebra B and both semesters of Algebra 2B in order to receive Algebra 2 credit. This course continues to develop the algebraic thinking and skills begun in Algebra 1B and Intermediate Algebra B. Topics include quadratic relations and conic sections, sequences and series, data collection and analysis and select trigonometric topic.

Elective Math Courses

1346/2346 – Consumer Mathematics

Prerequisites: Senior status. Seniors may enroll in this course for one semester, either first or second or for the entire year.

This course concentrates on applying mathematics to the consumer problems faced by all to help students make smart money-management decisions. Topics include: banking, investing, buying a car, buying a house, credit cards, income and paycheck deductions, insurance, tax forms, shopping, etc.

Science

1364/2364 – Biology B

Prerequisites: Placement based on the eighth grade science teacher's recommendation, eighth grade final grade in science and Stanford/OLSAT test scores.

Biology (B) is an adaptive two-semester laboratory-oriented course. Students will focus on the fundamental biological knowledge needed to become science literate. This is done through a variety of teaching methods, labs, group and individual activities, discussions and cooperative learning. Assessment of students will be done through class participation group projects, individual projects, labs, homework, quizzes and tests.

1365/2365 – Principles of Biology (NCAA-LAB)

Prerequisites: Placement based on the eighth grade science teacher's recommendation, eighth grade final grade in science and Stanford/OLSAT test scores.

This is a two-semester college preparatory course. Students will focus on a deep understanding of biological concepts of: inquiry, reflection and social implications, organization and development of living systems, interdependence of living systems and the environment, genetics, genetics and evolution and biodiversity. This is done through a variety of teaching methods, labs, group and individual activities, discussions and cooperative learning. Assessment of students will be done through class participation, group projects, individual projects, labs, homework, quizzes and tests.

The focus of this course will be on biological core and essential concepts of Inquiry, Reflection, and Social Implications; Organization and Development of Living Systems; Interdependence of Living Systems and the Environment; Genetics; and Evolution and Biodiversity.

Laboratory investigations are an integral part of this course which will include the use of computers in science simulations and for gathering, analyzing interpretation of data.

ACCELERATED: 1366/2366 – Biology

Prerequisites: Placement based on the eighth grade science teacher's recommendation, eighth grade final grade in science, and Stanford/OLSAT test scores.

This is a two-semester college preparatory course that is highly recommended for those students who are planning to major in science, medicine or engineering during their college careers. Students will focus on a more in-depth investigation of biological concepts of: inquiry, reflection and social implications, organization and development of living systems, interdependence of living systems and the environment, genetics, and evolution and biodiversity. This is done through a variety of teaching methods, labs, group and individual activities, discussions and cooperative learning. Assessment of students will be done through class participation, group projects, individual projects, labs, homework, quizzes and tests. The focus of this course will be on biological core and essential concepts of: Inquiry, Reflection, and Social Implications; Organization and Development of Living Systems; Interdependence of Living Systems and the Environment; Genetics; and Evolution and Biodiversity. Laboratory investigations are an integral part of this course, which will include the use of computers in science simulations and for gathering, analyzing, and interpretation of data.

GENERAL:

1383/2383 - Chemistry B

Prerequisites: Course: Biology (B) and recommendation of Biology teacher.

Chemistry (B) is an adaptive two-semester laboratory-oriented course. Students will focus on the fundamental chemistry knowledge needed to become science literate. This is done through a variety of teaching methods, labs, group and individual activities, discussions and cooperative learning. Assessment of students will be done through class participation, group projects, individual projects, labs, homework, quizzes and tests. The focus of this course will be on chemistry core and essential concepts of: Inquiry, Reflection, and Social Implications; Forms of Energy; Energy Transfer and Conservation; Properties of Matter; and Changes in Matter. Laboratory investigations are an integral part of this course which will include the use of computers in science simulations and for gathering, analyzing, and interpretation of data.

1384/2384 – Principles of Chemistry (NCAA-LAB)

Prerequisites: Courses: Principles of Biology, Geometry, Algebra 1 and/or current enrollment in Algebra 1 and recommendation of Biology teacher.

This is a two-semester college preparatory course. Students will focus on a deep understanding of chemistry concepts of inquiry, Reflection and Social Implications. Forms of Energy, Energy Transfer and Conservation, properties of Matter, Changes in Matter. This is done through a variety of teaching methods, labs, group and individual activities, discussions and cooperative learning. Assessment of students will be done through class participation, group projects, individual projects, labs, homework, quizzes and tests.

The focus of this course will be on chemistry core and essential concepts of the following: Inquiry, Reflection, and Social Implications; Forms of Energy; Energy Transfer and Conservation, Properties of Matter and Changes in Matter.

Laboratory investigations are an integral part of this course which will include the use of computers in science simulations and for gathering and analyzing interpretation of data.

1386/2186 – Chemistry (NCAA-LAB)

Prerequisites: Courses: Biology, Geometry, Algebra 1 and/or current enrollment in Algebra 1 and recommendation of Biology teacher.

This is a two-semester college preparatory course that is highly recommended for those students who are planning to major in science, medicine or engineering during their college careers. Students will focus on a more in-depth investigation of chemistry concepts of inquiry, reflection and social implications: forms of energy, energy transfer and conservation, properties of Matter, Changes in Matter. This is done through a variety of teaching methods, labs, group and individual activities, discussions and cooperative learning. Assessment of students will be done through class participation, group projects, individual projects, labs, homework, quizzes and tests.

The focus of this course will be on chemistry core and essential concepts of inquiry: Reflection and Social Implications, Forms of Energy, Energy Transfer and Conservation, Properties of Matter and Changes in Matter.

Laboratory investigations are an integral part of this course which will include the use of computers in science simulations and for gathering, analyzing and interpretation of data.

Social Studies

1402/2402 – World History B

Prerequisites: Recommended for students based on eighth grade reading scores and/or recommendation by counselor or teacher.

This course will focus on the development of reading strategies and study skills through the scope of world history. This course will develop a student's understanding of the political, economic, religious, social, intellectual and geographic development in civilization of both the Eastern and Western Hemispheres. Making use of a variety of resources including an online learning component, the course will cover pre-history through modern times.

1403/2403 – World History (NCAA)

Prerequisites: None

This course will develop a student's understanding of the political and geographic development in civilizations of both the eastern and Western Hemispheres. Making use of a variety of resources, including an online learning component, the course will cover pre-history through modern times.

1411/2411 – U.S. History B

Prerequisites: Admission to U.S. History B by teacher recommendation and approval of department chair.

This one-year course is for those students experiencing difficulty in reading comprehension. This course looks at the basic chronological development and history of the United States as a nation from 1865 to present and emphasizes the development of study skills, thinking skills and reading comprehension skills. Using the ideas in the Declaration of Independence, the Constitution and the amendments, students will develop knowledge and understanding of the core democratic values given in these documents. The course also includes vocabulary development and practice in acquiring information. Students develop an understanding of political, economic, religious, social, intellectual and geographic relationships by the study of history.

1409/2409 – U.S. History (NCAA)

Prerequisites: None

In this course, students will receive a minimum of 1 hour per semester in a structured online learning activity that utilized technology with internet-based tools and resources as the delivery method for instruction, research, assessment and/or communication. The development of the United States from 1865 to the present is emphasized in this two-semester sequential course. Students develop an understanding of political, economic, religious, social, intellectual and geographic relationships affecting the United States in history and in today's world. Using the Declaration of Independence, the Constitution, the amendments and other historical documents, student develop knowledge, understanding and application of the core democratic values given in these documents.

1421-2421 – American Government B (1 Semester)

Prerequisite: Admission to American Government B is by teacher recommendation and approval of department chair.

This one-semester course is for those students experiencing difficulty in reading comprehension. In this course, students will study the foundations, structure and responsibilities of the United States Government. An understanding of the rights and responsibilities of citizens and the elections process will be included. Students will be encouraged to become active in the democratic process by participating in a service learning project.

1420/2420 – American Government (1 Semester) (NCAA)

Prerequisite: None

In this one-semester course, students will study the foundations, structure and responsibilities of the United States Government. An understanding of the rights and responsibilities of citizens and the elections process will be included. Students will be encouraged to become active in the democratic process by participating in a service learning project.

1441/2441 – Economics B

Prerequisite: Admission to Economics B is by teacher recommendation and approval of department chair.

This one-semester course is designed to accommodate students who have reading comprehension challenges. This course will include the study of American and global economic systems. The course covers basic economic concepts and thorough examination of micro and macro economic theories. Emphasis will be placed on understanding economic terms.

1442/2442 Economics (NCAA)

Prerequisite: None

This course is a one-semester course of study on American and global economic systems. The course covers basic economic concepts and a thorough examination of micro and macro economic theories. Emphasis will be placed on understanding economic terms.