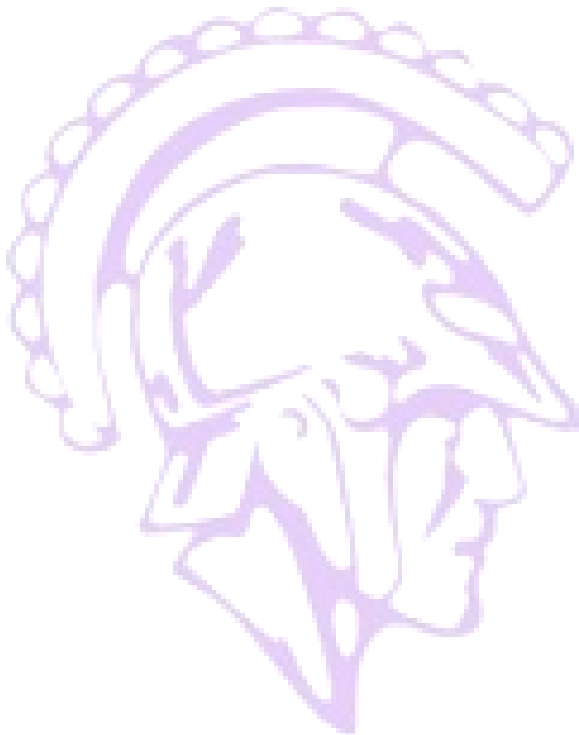


2024-2025

Lakeview Alternative High School

Course Description Guide



15 Arbor Street
Battle Creek, MI 49015
Phone: 269-565-2453
Fax: 269-565-2408

Lakeview Alternative High School

15 Arbor Street
Battle Creek, Michigan 49015
P: 269-565-3900 F: 269-565-3908

Administration

Allison Olson, *Principal*

269-565-2454 • aolson@lakeviewspartans.org

Angela Bishop, *Secretary*

269-565-2453 • abishop@lakeviewspartans.org

Guidance Staff

Robert Allison, *Dean of Student Services*

269-565-3722 • rallison@lakeviewspartans.org

Heather Allbee, *Counselor*

269-565-3723 • hallbee@lakeviewspartans.org

Niesha Brown, *Counselor*

269-565-3724 • nbrown@lakeviewspartans.org

Lukas Pederson, *Counselor*

269-565-3725 • lpederson@lakeviewspartans.org

Nick Williamsen, *Counselor*

269-565-3726 • nwilliamsen@lakeviewspartans.org

Courtney Scheidler, *Student Services Secretary*

269-565-3721 • cscheidler@lakeviewspartans.org

Introduction

This booklet provides information about the curriculum available to students at the Lakeview Alternative High School Program. These course descriptions describe the curriculum as planned at the time of this booklet's publication. This could be subject to change after the publication date.

Table of Contents

General Information

Lakeview Alternative HS Graduation Requirements	3
Course Completion Requirements	4
Special Course Completion Notes	5
Visual, Performing, and Applied Arts Requirement	5
Non-traditional Credit	5
Virtual Learning	7
Grade Point Average	8
College or University Credit	9
Dual Enrollment	9

Course Descriptions

Art	11
Business	11
Career and Life Skills	13
Education	14
English	15
Health	16
Math	18
Marketing	20
Science	21
Social Studies	22
World Languages	24
Technology	25

General Information

Lakeview Alternative High School Graduation Requirements

To earn a Lakeview Alternative High School diploma, students must satisfy all Lakeview School District credit requirements as listed.

Total Credit Earning Requirements

The Alternative Education Program follows the Michigan Merit Curriculum requirements for graduation. Students must earn 18 **total** credits to graduate. Successfully completing a high school diploma through Lakeview Alternative High School requires completing all of the courses required by the State of Michigan as part of the Michigan Merit Curriculum. That number is at a minimum of 18 courses.

- The total number of credits required may differ between students depending on the courses they have already taken.

Course Completion Requirements	
English Language Arts	4 credits - At least one core English class taken each school year
Mathematics	4 credits (at least one in senior year) <ul style="list-style-type: none"> • Algebra 1 • Geometry • Algebra 2 or Applied Algebra 2 or Statistics • Additional math or math-related course
Science	3 credits <ul style="list-style-type: none"> • Biology A and B • ONE of the following: <ul style="list-style-type: none"> ○ Chemistry A and B ○ Physics A and B ○ Anatomy A and B • Other approved science course or CTE program completion
Social Studies	3 credits <ul style="list-style-type: none"> • World History A and B • US History A and B • Intro to Economics A • American Government A
Health and Physical Education	1 credit <ul style="list-style-type: none"> • Personal Fitness/Health • PE Elective OR participation in school-sanctioned physical activity* • Additional credit from a core area (English, Math, Science, Social Studies, or World Languages) <p><i>*2 Seasons = .5 credit</i></p>
Visual, Performing, Applied Arts (VPAA)	1 credit - See page 5 for a list of courses meeting this requirement
World Languages/ VPAA 2	2 credits <ul style="list-style-type: none"> • Both credits must be of the same language OR students may satisfy the second credit by completing a CTE program OR taking an additional VPAA course.
Career Pathways and Life Skills	1 Credit <ul style="list-style-type: none"> • Applies to students that enter into the program after 1st Count Day of their senior cohort. Must complete the MME requirements plus 1 additional credit of Career Pathways and Adult Roles courses. <ul style="list-style-type: none"> ○ Career Pathways A ○ Adult Roles and Responsibilities A

Special Course Completion Notes

Transfer students will have an adjusted credit requirement that will vary depending on the total credits attempted at any previous high school(s).

Students may not count Physics as both a science credit and a math-related credit. Students successfully completing Physics as a math-related credit must also successfully complete Chemistry.

Visual, Performing, and Applied Arts Requirement

Students may replace this requirement by taking an additional credit beyond the graduation requirement in English, Mathematics, Science, or World Languages. Alternatively, this requirement can be satisfied by taking any of the courses below.

- Calhoun Area Career Center
 - Graphic Communications
 - Culinary Arts
 - Auto Service
 - Aviation
 - Collision Repair
 - CAD/CAM
 - Construction
 - Power Equipment
 - Welding
- Battle Creek Area Math & Science Center
 - Intro to Computer Science
 - Computer Science
 - Engineering Analysis
 - Engineering
 - Engineering Robotics 1 and 2

Non-traditional Credit

In order for credit to be granted for a class taken prior to entering ninth grade, the student must receive credit for the experience on a high school transcript from an accredited secondary institution. Students participating in “accelerated programs” without earning credit from an

accredited secondary institution are not given LHS credit for their participation, but may earn credit by testing out of related courses.

Once a student has begun classes at Lakeview Alternative High School, no credit will be given for any coursework or program taken anywhere other than Lakeview Alternative High School without prior approval of the principal.

Grade Point Average – A student’s grade point average from a non-traditional, non-public secondary school will not be calculated. Credit only will be given for these courses.

Public Secondary School – With the exception of driver’s education, credit (MMC and/or otherwise) from Michigan high schools will be accepted as designated on the previous school’s transcript. Credit from high schools outside of Michigan (with the exception of driver’s education) will be accepted as MMC credit as current legislation, or Michigan Department of Education interpretation allows, for those subject areas designated as required MMC courses.

Non-Public Secondary School – Credits from a “traditional” non-public school (i.e. parochial or private schools, etc.), with the exception of driver’s education, Seminar, and non-secular religion courses, as in keeping with the consistency in the public school, will be accepted as transferred.

Home School – Credit for students entering Lakeview Alternative High School after the first trimester of the ninth grade from a home school program will be considered based on two criteria:

- If the parent has registered as a homeschool with the Intermediate School District or other such governmental agency and has used curricula from a home-schooling program through an accredited institution, credit will be given based on the transcript received from that accredited institution. *A copy of the home-schooling curriculum, course offerings, course descriptions, and grading requirements may also be required.*
- If the parent has not registered as a homeschool with the Intermediate School District or other such governmental agency, credit will be given based on the student’s ability to score 77% or higher on the Lakeview High School final exam for each course studied in the home school program.

Correspondence Secondary Schools – Credit will be accepted through approved vendors. Approval must be granted prior to enrolling in the course. (Ex. Michigan Virtual High School)

Virtual Learning

The Lakeview School District uses online learning to support specific student learning needs including homebound services, student and/or immediate family health concerns, and disciplinary situations. The following vendors are approved for use:

- Graduation Alliance
- Lincoln Learning

Seats in these courses are limited and require district approval. Placement due to disciplinary infractions will be determined by the superintendent. Families requesting placement due to student and/or immediate family health concerns should contact the school counselor for eligibility requirements.

Grade Point Average

Student cumulative grade-point averages will be calculated based on final trimester grades during grades 9-12 along with any credit-bearing grades from other institutions according to the guidelines above. Grade point average is a representation of a student's average grade, with each grade assigned a number value, called "honor points," according to the chart below. AP course grades are weighted so that each corresponding honor point value is increased by 1.

	Non-AP Courses		AP Courses	
Percent	Grade	Honor Points	Grade	Honor Points
93-100%	A+, A	4.00	A+, A	5.00
90-92%	A-	3.67	A-	4.67
87-89%	B+	3.33	B+	4.33
83-86%	B	3.00	B	4.00
80-82%	B-	2.67	B-	3.67
77-79%	C+	2.33	C+	3.33
73-76%	C	2.00	C	3.00
70-72%	C-	1.67	C-	2.67
67-69%	D+	1.33	D+	2.33
63-66%	D	1.00	D	2.00
60-62%	D-	0.67	D-	1.67
0-59%	E	0.00	E	0.00

College or University Credit

Early Entry

A student may enroll in a college or university prior to graduating from high school if the post-secondary institution allows. Any student who takes college courses in an early entry program must do so outside of regular Lakeview Alternative High School hours. Any tuition, fees, or materials associated with these courses are the responsibility of the student and the student's family. A student may elect to have these college courses on his/her/their high school transcript by submitting an Approval for Non-Lakeview Alternative High School Credit form prior to taking any course(s). It is understood that any course and its accompanying grade that appears on a student's Lakeview Alternative High School transcript will be included in the student's grade point average.

Dual Enrollment – See Dual Enrollment section below.

On-line College Courses

A student may enroll in an online college or university course prior to graduating from high school if the post-secondary institution is accredited. The principal, prior to enrollment, must approve this course. Any student who takes online college courses may do so consistent with the requirements described above of an early entry student or dual enrollment student.

Dual Enrollment

Students may enroll in college courses as part of their high school experience. If the student wishes to pursue dual enrollment, please contact the counselor.

Students are eligible to dual enroll if they:

- Have principal approval,
- Are enrolled in at least one high school course, AND
- Have taken and received a qualifying score on at least one of the following tests: MME, ACT, SAT, Compass, Accuplacer, EXPLORE, PLAN, or PSAT.

A course which qualifies for dual enrollment must be one which:

- Is not offered by Lakeview Alternative High School;

- Is offered, but is not available to the student because of a scheduling conflict;
- Is a college level course which the student has taken and completed at the high school level (i.e. Anatomy & Physiology); AND
- Is an academic course. Courses in physical education, theology, divinity, or religious education are not available through dual enrollment.

Students dual enrolling may have the costs of required textbooks paid for by Lakeview Alternative High School provided that the total amount of tuition, fees and books does not exceed \$762.50. Students should first check with the main office secretary to see if the book is already available. If not, the school will purchase the book and it will be available for pickup at KCC. Upon completion of the course, textbooks must be returned to Lakeview Alternative High School. Students are responsible for transportation, parking costs, or any activity fees.

Any student who wishes to dual enroll must complete a Lakeview Alternative High School Dual Enrollment form prior to taking any courses. It is understood that any course taken as part of dual enrollment and its accompanying grade will appear on the student's transcript with accompanying grades. Final grades will be included in the trimester GPA, cumulative GPA, and class ranking.

Course Descriptions for 2024-2025

Below are the descriptions of courses available to LAHS students. Each trimester, the alternative education principal, and their teacher mentor works with students in planning their schedules. The scheduling process maintains that students take courses in grade level order so that the student's understanding of the curriculum continues to build through senior level courses.

An electronic Course Description guide is provided below.

[Graduation Alliance- High School \(GA\)](#)

GA Course Code	Course Name	Category	Description	Quarter/ Semester
ART 110	Art Foundations	Art	In this course, students will study a variety of art tools and materials. With an emphasis on studio production, this course is designed to develop higher-level thinking, art-related technology skills, and an appreciation for aesthetics.	1-S
ART 211	Digital Photography	Art	In this course, students will discover the history of photography, practice the basics of photography, and identify different techniques used in the field. They will explore how cameras work, and how to use their phone's camera. Students will identify and demonstrate the elements and principles of design used in photography. They will also explain their laws, explore the safe handling of equipment in photography, and practice to prepare for a career in the field of photography. Students will learn about careers, education, business practices, and creating portfolios in photography. They will learn basic and advanced editing techniques. Students will demonstrate progress in the course through discussions and creating their own artwork.	2-S
ART 212	Music Aesthetics	Art	In this class, students will explore the use of their bodies, voice and instruments as means of musical expression; improvise and compose music, and expand their listening skills and vocabular to analyze and evaluate music.	1-S
ART 300	Art in World Cultures	Art	In this Art course, students will learn about some of the greatest artists while also creating art of their own, including digital art. The course explores the basic principles and elements of art, examines how to critique art, and some of the traditional art of the Americas, Africa, and Oceania in addition to the development of Western art.	1-S
BUS 118	Business Foundations	Career	In this course, students focus on specializations within three career fields. Students will obtain knowledge and skills in fundamental business activities. They will acquire knowledge of business processes, economics, and business relationships. Students will use technology to synthesize and share business information. Employability skills, leadership, communications and personal financial literacy will be addressed.	2-S

BUS 119	Finance Foundations	Career	In this course, students will be introduced to the specializations offered in this career field. Students will obtain fundamental knowledge and skills in accounting, banking services, corporate finance, insurance, and securities and investments. They will acquire knowledge of financial analysis and application, business law and ethics, economics, international business and business relationships. Knowledge management and information technology will be emphasized. Employability skills, leadership, and communications will be incorporated in learning activities.	2-S
BUS 210	Career Development	Career	In this class, students will learn and develop the necessary skills to engage in life and career planning. Learners will focus on self-assessment, occupational exploration, and decision-making; discuss the social conditions that impact career development; and implement a strategic career plan.	2-S
BUS 216	Financial Accounting	Career	In this course, students will track, record, summarize, and report a business's financial transactions. They will develop financial documents, project future income and expenses, and evaluate the accuracy of a business's financial information. Students will also apply tools, strategies, and systems to evaluate a company's financial performance and monitor the use of financial resources. Technology, employability skills, leadership and communications will be incorporated in classroom activities.	2-S
BUS 217	International Business	Career	In this course, students will evaluate global business strategies and market-entry methods for conducting business internationally. They will use technology to determine the impact of government, economics, geography, history, ethics, and digital communications tools on global trade. Management of sourcing and procurement, quality, distribution and supply chain in a global environment will be emphasized. Students will identify financing options for international operations. They will also analyze the competitiveness of U.S. companies in the internal marketplace.	
BUS 218	Fundamental of Financial Services	Career	In this course, student will develop knowledge and skills needed in the banking, insurance and investment industries. They will analyze banking products and services, determine ways in which insurance reduces	2-S

			<p>risk, and calculate insurable losses. Students will also learn to sell financial products and build positive relationships with clients and colleagues. They will use financial ratios to evaluate company performance and select profitable investments for clients.</p> <p>Technology, employability skills, leadership and communications will be incorporated in classroom activities.</p>	
BUS 670	Foundations of Firefighting and Emergency Medical Services	Career	<p>Firefighting and Emergency Medical Services introduces students to the foundational concepts of firefighting safety and emergency medical services. In the first part of the course, students will analyze the Department of Public Safety Fire Protection and Emergency Medical Services rules and regulations in preparation for further studies in the field. IN the second part of the course, students will study key topics relating to business, communications, regulations, and finances. Emphasis will be placed on skills needed to be a strong leader in the field.</p>	2-S
BUS 671	Homeland Security	Career	<p>In Homeland Security, students will learn techniques to secure and protect America's people and infrastructure from natural and manmade disaster. Students will look at a range of issues including cyber security, intelligence gathering, and local emergency planning that can be applied in their own community. Students will also learn to manage critical incidents thought training in National Incident Management and the Incident Command System.</p>	2-S
COS 110	Teen Living	Life Skills	<p>In this course, students will learn to understand and cope with personal, family and social challenges common during transitional teenage years, with an emphasis on communication, decision-making skills and building stable relationships with family and peers. Students will identify and recognize personal communication styles and discuss the importance of quality communication skills as they relate to issues that impact teenagers, including self-concept, substance abuse, personal loss, dating, pregnancy and child abuse.</p>	2-S
COS 211	Child Development for Caretakers	Life Skills	<p>This course offers a basic introduction to the emotional, physical, and psychological development of a child. Students will explore several developmental models. Students will study the biological and chemical changes in</p>	2-S

			children as they age as well as look into parenting resources.	
COS 212	Child Development Psychology	Career	This course offers a basic introduction to the emotional, physical, and psychological development of young children. Students explore several developmental models and theories, along with biological, chemical, and behavioral changes children go through as they grow. Parenting and Caregiver resources are explored, along with roles of various family members and support systems.	2-S
COS 410	Adult Roles and Responsibilities	Life Skills	Adult Roles and Responsibilities helps students prepare for independent living. This course prepares students to understand the nature, function, and significance of human relationships involving individuals and families. Topics include: family living, parenting, household and money management, decision-making skills, communication skills, self-awareness, crisis management, and the individual's roles and responsibilities within the family and community.	1-S
EDU 101	Foundations of Education and Training	Education	Students will examine the goals of education and training as well as environments in which education and training are delivered. They will identify learners' and stakeholders' roles, rights and responsibilities in educational systems; assess legal and ethical issues related to education; and determine careers of interest in education and training. Employability skills and state requirements for becoming an educator will also be addressed.	2-S
EDU 111	Early Childhood Education Principles	Education	Students will examine the history and philosophy of early childhood education, types of early childhood programs, and the roles, rights and responsibilities of learners and stakeholders in early childhood education. Students will assess developmentally appropriate practices; legal, ethical and organizational issues; and the challenge of teaching and caring for young children with diverse needs. Career planning and professionalism will also be emphasized throughout the course.	2-S
ENG 111	English 9	English	In this course, students will focus on vocabulary development, comparing connotation with denotation and identifying word meanings using sentence structure.	2-S

			Reading instruction will stress inference; analysis of interesting and important information; character development and complex figurative language in narrative literature and poetry. Writing exercises will emphasize the comparison of multiple ideas and perspectives. Students will further develop skills in analytical evaluation and assessment of writing, including a study of the editing process and the evaluation of source materials.	
ENG 210	English 10	English	In this course, students will engage in reading and writing exercises that promote vocabulary development, using connotative evaluation to better ascertain meaning through analogy and antonym context clues. Reading instruction focuses on electronic text, using explicit and implicit information to evaluate informational text, and on complex figurative language, including simile, metaphor, pun, symbolism and personification. Reading assignments will focus on how politics, history, and culture contribute to great literature. Writing assignments will focus on analysis and interpretation of multiple ideas and perspectives, with an emphasis on persuasive writing.	2-S
ENG 310	English 11	English	In this class, students will focus on developing skills for analysis and interpretation of texts that include multiple ideas and perspectives. Writing exercises will stress synthesis and conclusion-making skills, as well as developing experience with the editing process.	2-S
ENG 410	English 12	English	In this course, students will study English as it applies to work, professional training and higher education, with vocabulary studies in word etymologies, Latin roots and the cultural and social impact on the “living” language. Reading assignments will emphasize literary analysis, historical commentary, political statements and culturally and historically significant literary works. Writing assignments will emphasize cause and effect, analysis and refutation of opposing opinions, and important text connections.	2-S
ENG 413	Public Speaking	English	In this course, students will explore the art of public speaking. They will examine the foundations of rhetoric, identify speech forms, then write and analyze speeches.	1-S

			Students will focus on how to prepare an effective speech including audience analysis, topic selection, and content organization. Students will practice listening skills, writing skills, and collaboration skills through course assignments and discussions.	
ENG 415	Mythology & Folklore	English	Mighty heroes. Angry gods and goddesses. Cunning animals. Mythology and folklore have been used since the first people gathered around the fire as a way to make sense of humankind and our world. This course focuses on the many myths and legends woven into cultures around the world. Starting with an overview of mythology and the many kinds of folklore, the student will journey with ancient heroes as they slay dragons and outwit the gods, follow fearless warrior women into battle and watch as clever animals outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore, and see how they are still used to shape society today.	1-S
HPE 110	Fitness for Life	Health & PE	In this course, students will develop the knowledge and skills necessary to self-assess, create, conduct and evaluate personal fitness programs. Students will demonstrate an understanding of the interrelationships of movement, fitness and nutrition for the performance of fitness activities and exhibit personal and social behaviors appropriate for physical activity settings.	2-S
HPE 111	Health Education	Health & PE	In this course, students will develop an understanding of patterns of behavior that impact human health, with emphasis on the importance of balancing physical, mental, social, emotional and spiritual needs to achieve greater well-being. The class will stress the connection between healthy lifestyles and active, productive and successful lives.	2-S
HPE 201	Intermediate Fitness	Health & PE	In this course, students will demonstrate knowledge of and competency in motor skills, movement patterns, and strategies needed to perform a variety of physical activities. They will perform various activities that will enhance their level of fitness such as creating a personal fitness plan and analyzing the psychological benefits of fitness. They will discover how to achieve a level of physical fitness for health and performance while demonstrating knowledge	2-S

			of fitness concepts, principles, and strategies. Social interaction, participation, leadership, and cultural diversity will also be emphasized.	
HPE 210	Principles of Allied Health	Health	In this course students will gain basic knowledge and recognize the clinical skills necessary to assess, plan, provide, and evaluate care to patients in varied healthcare settings. Students will discover first aid principles and techniques needed for response to choking, cardiopulmonary resuscitation, and other life-threatening emergencies. Emphasis will be placed on regulatory compliance, patient safety, pathophysiology, and medical interventions. Additionally, this course introduces psychomotor skills needed to assist individuals in meeting basic human needs.	2-S
HPE 309	Introduction to Health Care Careers	Health Science	In this course, students will discover different careers in the health care field. They will identify past and current trends in health care by reviewing the history of medicine. Then, they will explore the different health care pathways and learn about the different possibilities offered by this growing field. They will analyze the skills needed for a health care career and consider themselves in one of these roles. After taking this class, students are invited to enroll in the Medical Terminology course so they can start their career in a health care pathway.	1-S
HPE 315	Health, Science, and Technology	Career	This course provides students with an overview of the opportunities available in the healthcare industry. Students will also learn fundamental skills in effective and safe patient care. In the first part of the course, students will explore necessary skills, attitudes, and behaviors that will help them in the health care career field. They will also be introduced to different laws, systems, and organizations that they need to be familiar with in order to be successful in the field. The second part of the course will focus on the human body, providing care for others, and clinical laboratory concepts.	2-S
HPE 321	Health Information Technology	Health Science	This course introduces electronic health information systems, designs, implementation, and application. Students gain knowledge and skills in techniques for managing and maintaining electronic health data and compilation, analysis, of healthcare statistics, research protocols and techniques. Topics include	2-S

			imaging technology, information security and integrity, data dictionaries, basic statistical principles, databases, registries, descriptive statistics, research protocol monitoring, including data collection and analysis, data sources/sets, archival systems, and quality and integrity of healthcare data.	
MAT 110	Algebra 1	Math	In this class, students will build upon the foundations established in pre-algebra and basic mathematics to develop a growing understanding of how to perform operations and solve problems with real numbers. Students will focus on the importance of linear relations; develop fluency with the language and operations of algebra to analyze and represent relationships; and perform exercises in statistics and statistical methods to solve problems.	2-S
MAT 210	Geometry	Math	In this course, students will explore geometry through inductive and deductive processes, technology, constructions, manipulatives and algebraic connections. Students will develop the structure of Euclidean geometry logically and apply the resulting theorems, proofs and formulas to address meaningful problems. Students will use experimentation and inductive reasoning to construct geometric concepts, discover geometric relationships and formulate conjectures. Students will employ deductive logic to construct formal logical arguments and proofs.	2-S
MAT 300	Financial Math	Math	In the first quarter of Financial Math, students will examine the various ways that people earn money and how that money is managed, saved, and spent. The second quarter addresses the usefulness of both checking and savings accounts and how to manage them, as well as consideration of saving versus investing. Students will explore cash purchases, receipts, and sale prices. Students will apply the appropriate math concepts needed to successfully navigate the implications of every-day financial scenarios, and develop financial decision-making and planning skills.	2-S
MAT 310	Algebra II	Math	In this course, students will build upon the knowledge previously learned in Algebra I and Geometry, expanding their ability to understand, perform operations and solve problems with real numbers. Students will focus on the importance of linear relations; develop fluency with the language and	2-S

			operations of algebra to analyze and represent relationships; and perform exercises in statistics and statistical methods to solve problems.	
MAT 315	Applied Math for Healthcare	Math	In this course, students will review math concepts taught throughout their math careers and use those math concepts in real-life situations. Many of the real-life situations will focus specifically on applications in the HealthCare field. Students will focus on thoroughly understanding number operations with integers, decimals, and percents. They will then focus on how to use Google Spreadsheets for analyzing data and performing math operations.	2-S
MAT 316	Applied Math for Information Technology	Math	In this course, students will review math concepts taught throughout their math careers and use those math concepts in real-life situations. Many of the real-life situations will focus specifically on applications in the Information Technology field. Students will focus on thoroughly understanding number operations with integers, decimals, and percents. They will then focus on how to use Google Spreadsheets for analyzing data and performing math operations.	2-S
MAT 410	Pre-Calculus	Math	In this course, students will expand their knowledge of quadratic, exponential and logarithmic functions to include power, polynomial, rational, piece-wise and trigonometric functions. Students will investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations and use graphing calculators and mathematical software to build understanding and solve problems.	4-Q
MAT 420	Calculus	Math	In this course, students will study the branch of mathematics that deals with rates of change in continuous and varying quantities. The class will include exercises in the graphical, numerical, analytical and verbal representation of functions; derivative rates of change and the use of derivatives to solve a variety of problems; and derivative and definite integrals as expressed in both parts of the Fundamental Theorem of Calculus. Students will communicate mathematical solutions both orally and with the written word; use technology to help solve problems, interpret results, and verify conclusions; and determine the reasonableness of solutions.	4-Q

MAT 430	Statistics	Math	In this course, students will complete statistical evaluations through advanced math calculations. Statistics coursework will explore a wide variety of data systems and models, and utilize statistical systems to graph, interpret, and draw conclusions from data. Additionally, students will further develop skills in calculating probability, mean, and understanding the distribution of data within a system.	1-S
MKT 110	Principles of Marketing	Career	In this course, the student will explore factors influencing how marketing decisions are made, including the impact of marketing decisions on an organization and its customers. They gain a working knowledge of practical marketing and business vocabulary. They also evaluate how the actions of competitors influence marketing decisions in the global marketplace.	1-S
MKT 111	Introduction to Social Media	Career	Have a Facebook account? What about Twitter? Whether you've already dipped your toes in the waters of social media or are still standing on the shore wondering what to make of it all, learning how to interact on various social media platforms is crucial in order to survive and thrive in this age of digital communication. In this course, you'll learn the ins and outs of social media platforms such as Facebook, Twitter, Pinterest, Google+, and more. You'll also discover other types of social media you may not have been aware of and how to use them for your benefit—personally, academically, and eventually professionally as well. If you thought social media platforms were just a place to keep track of friends and share personal photos, this course will show you how to use these resources in much more powerful ways.	1-S
MKT 211	Marketing Principles	Career	In this course, students will obtain fundamental knowledge and skills in marketing communications, marketing management, marketing research, merchandising and professional selling. They will acquire knowledge of marketing strategies, market identification techniques, employability skills, business ethics and laws, economic principles and international business. Technology, leadership, and communications will be incorporated into course activities.	2-S

SCI 110	Earth Science	Science	In this course, students will discuss multiple theories about the universe, the technology that supports these theories, and the movement of bodies within the universe. They will learn about characteristics that allow life to exist on Earth, and possibly elsewhere in the universe, as well as Earth's plate boundaries, their movement, and the theories revolving around plate tectonics. Digging deeper, students will examine the Earth's surface to investigate the geothermal activity, and volcanic activity that influence life, climate, and geological formations on earth.	2-S
SCI 120	Physical Science	Science	In this course, students will investigate matter and explore its properties and interactions in the world. They will learn to relate speed, velocity, and acceleration to objects in motion. Students will explore the nature of waves, sound, and the electromagnetic spectrum. They will explore electricity, and how electrical charges and electrical currents function. Students will study the physical and chemical properties of matter, including the different states of matter, atomic theory, the Periodic Table of Elements, electrons, bonding, chemical formulas and chemical reactions. Lastly, they will learn how electricity creates energy resources, and consider the environmental and human impacts of different types of resources. Hands-on lab investigations will be emphasized for students to engage with the course material.	2-S
SCI 210	Biology	Science	In this course, students will study the ways in which ecosystems are shaped by interactions among living organisms and their physical environment. The class will emphasize the states of change and balance that are constantly at force on the environment and will study the role humans and other organisms play in impacting those states. Units will include an exploration of the composition of organisms; the relationship between organs and organ systems; and the role of DNA in reproduction and genetic expression.	2-S
SCI 310	Chemistry	Science	In this course, students will study matter on Earth and the periodic table of elements, including the relationship that exists between chemical behavior and the structure of atoms. The class will include units on the	2-S

			periodic table, the emission of high-energy particles resulting from nuclear changes, chemical bonding, chemical reactions and dynamic equilibrium.	
SCI 320	Anatomy & Physiology	Health Science	In this course the student will learn about anatomical structures and physiology of the human body. Body systems are discussed in terms of how each participates in homeostasis of the body. Students learn about selected major pathologies, including causes, symptoms, diagnostic procedures, and treatments, as well as common changes that occur through the lifespan. They will also be introduced to medical terminology, various biology tests, and laboratory procedures.	2-S
SCI 410	Physics	Science	In this course, students will study matter, energy, electricity, magnetism, momentum and motion. Lessons will focus on how to measure the motion of an object in terms of position, time, velocity and acceleration; determine the relation between force, mass, and acceleration; determine the strength of gravitational and electric forces; and understand the properties and applications of waves.	4-Q
SCI 213	Environmental Science	Science	This course presents relationships between organisms and how these relationships relate to the functioning of ecosystems. Students learn the key concepts and processes of nutrient cycling, biomes, pollution, energy resources, and habitat destruction. The course also covers ways to promote biodiversity and create a sustainable future.	2-S
SOC 110	World Geography	Social Sciences	In this course, students will study “the why of the where,” exploring how to use geography as a tool to better understand the world in which they live. Learners will evaluate the impact of location, place, movement, region and human-environmental interactions. Emphasis will be placed understanding the human and physical characteristics of places and regions; examining the physical processes and human activities that shape the earth’s surface; and applying geographic knowledge to social and political events in history and the modern world.	2-S
SOC 310	U.S. History	Social Sciences	In this course, students will study the role of and investigate the relationship between events of different time periods in American history; beginning with an exploration of the nation’s pre-reconstruction period. Learners	2-S

			will further study the significance of the American Revolution in the industrial development of the United States; understand the structure and function of the United States government established by the Constitution; explore the territorial growth of the United States before the Civil War; examine the expansion of the political system and social rights before the Civil War; and understand the significance of the Civil War Era to the United States.	
SOC 313	Current World Issues	Social Sciences	This course explores major issues facing our world today, including social, economic and political issues. Students have the opportunity to conduct research and open-mindedly consider all sides of an issue. Students will study the causes and effects of global issues as they cross cultures and span across time. Students will write informal reflection journals as well as more formal proposals. Students will also create presentations that show a clear understanding of the complexity of various issues.	2-S
SOC 210	World Civilizations	Social Sciences	In this course, students will investigate the interrelationships, over time, of the world's peoples, including the impact of "colliding" areas of the world and the political, economic, social, philosophical, religious, scientific, technological and artistic contributions of many of the world's most influential civilizations. Units of study will include ancient and classical civilizations; the Middle Ages; the ages of revolution, imperialism and industrialism; and the modern world.	2-S
SOC 410	U.S. Government	Social Sciences	In this course, students will be introduced to the concept of government, politics, and civic life. They will examine the origins, functions, and structure of our government and discuss the principles and values that the U.S. Constitution promotes. They will study political structure and process, including political parties, voting, and foreign policy. Students will also describe and evaluate the civic and personal responsibilities of citizens, including what it means to be a member of a state and the nation. They will research a public issue, evaluate how to make a reasoned argument, and propose solutions. They will also examine the impact of media on the political process and on social opinion.	2-S

			As a final project, they will research a local community service project and describe how the experience relates to the American ideal of participation.	
SOC 411	Economics	Social Sciences	In quarter one of this course, students will be introduced to the economic way of thinking and the role of economists, markets, and entrepreneurs in the economy. Students will analyze economic systems and market structures and will learn more about labor relations. In quarter two, students will learn about economic indicators, banking, and personal finance. Students will complete activities related to banking and economic basics as well as their personal economics.	1-S
SPN 110	Spanish 1	Language	In this course, students will listen, read, write, and speak introductory Spanish. They will identify reasons for learning a language and be exposed to cultures of Spanish speaking countries. Students will use basic vocabulary to express and describe themselves and their world. They will communicate about daily activities, friends, food, locations, community, sports, and technology. They will also write scripts in Spanish and record themselves speaking the language. Emphasis will be placed on using correct vocabulary and grammar throughout the course.	2-S
SPN 210	Spanish II	Language	Using knowledge from Spanish 1, students will continue to build skills in listening, reading, writing, and speaking Spanish. They will compare the Spanish language to their own language and be exposed to cultures of Spanish speaking countries. Students will continue to build on their vocabulary skills set to express and describe themselves and their world. They will communicate information about family members, clothing, rooms in their home, ideal vacations, and daily routines. Students will also learn how to order food in a Spanish speaking restaurant and how to use the Spanish past tenses to talk about their childhood. They will also write scripts/short stories in Spanish and record themselves speaking the language. Emphasis will be placed on using correct vocabulary and grammar throughout the course.	2-S
TAA 102	I Will Graduate Q1	Program Onboarding	I Will Graduate is designed to give students and introduction to the learning environment used by GA. The online learning environment is the primary area in which students learn,	1-Q

			study, complete assignments, and take assessments for their courses. In this course, students learn: how the program works, how to contact members of the support team, how to create a study program, and how to get started with their HS and Beyond Plan. Students will also work through a number of short assessments that will help them and their academic coaches create a learning plan for the year.	
TCH 101	Introduction to Information Technology Careers	Career	In this course, students will discover different careers in the Information Technology field. They will explore three main areas: hands-on roles, creative roles, and administration/programming roles. They will examine various positions such as Help Desk Technician, Web Developer, and Mobile Application Developer. They will learn about the tasks and responsibilities expected as well as the possibilities offered by a job in this growing field. They will analyze the skills needed for an information technology career and consider themselves in one of these roles.	1-S
TCH 111	Information Technology	Career	This first course in the IT career field is designed to provide students with a working knowledge of computer concepts and essential skills necessary for work and communication in today's society. Students will learn safety, security, and ethical issues in computing and social networking. Students will also learn about input/output systems, computer hardware and operating systems, and office applications.	2-S
TCH 300	Digital Literacy (IC3 Certification)	Career	This Digital Literacy course introduces students to computing fundamentals. Students will learn how a computer works, including operating systems, storage, and software. Basic applications are covered, and students learn the fundamentals of word processing, spreadsheets, databases, graphics, presentations, and multimedia skills. In addition the course covers the Internet, networking and communications. Students will learn the basics of telecommunications, understanding how networks work, the history and operation of the internet. Internet research and reliable sources, professional & personal email and messaging communication, social networking, and internet security are also covered. Students will learn to use the internet responsibly and effectively in this course. This	1-S

			course will prepare students to take the assessment called IC3. Passing this assessment earns students a nationally recognized certification in Digital Literacy, which they can use in job searches and applications for higher education.	
TCH 301	Web Design	Career	Students will learn the dynamics of the Web environment while pursuing an in-depth study of both Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS). Web based protocols such as FTP, TCP/IP, and HTTP will be addressed. Students will create a website with tag text elements, special characters, lines, graphics, hypertext links, and graphical tables.	2-S
TCH 302	Introduction to Digital and Interactive Media	Career	The course is designed to provide students with knowledge of current industry standard, commercial, and open source programming software to create visual elements in a web or standalone environment; knowledge of aspects of computer visual production, thought, and application; how to map out, design, and test two three-dimensional elements.	2-S
TCH 312	Introduction to Programming	Career	In this course, students will start by exploring programming projects and then they will dive deeper into basic programming concepts. Students will recognize key elements of working on an information technology project so they can be successful in future careers. Students will then learn the basics of programming concepts, including building simple interactive applications, basic units of logic, and algorithmic solutions.	2-S
TCH 313	Computer Hardware	Career	In this course, students will learn to install, repair, and troubleshoot computer hardware systems. They will perform preventative maintenance practices and learn techniques for maintaining computer hardware security. Communication skills and professionalism in troubleshooting situations will be emphasized.	2-S
TCH 314	Networking	Career	In this course, students will apply fundamental principles of IT, including the history of IT and its impact on society, common industry terms, systems theory, information storage and retrieval, database management, and computer hardware, software, and peripheral device configuration and installation. This base of knowledge and skills may be applied across the career field. The first part of the course will focus on	2-S

			project planning, equipment, security, and problem solving. The second part of the course explores specific networking topics.	
TCH 315	Foundations of Web and Game Design	Career	This course introduces students to the foundational concepts of web and game design. In the first part of the course, students will learn about the web and mobile computing environments concluding with an exposure to computer programming. In the second part of the course, students will study key elements of game design with emphasis placed on industry standard programming language constructs that will build their capability in game design.	2-S
TCH 102	Computer Science	Career	In this course, students will learn about basic concepts of computer science. This computer science course meets standard scope requirements for a two-semester introductory computer science course. The text is grounded in real-world examples to help students grasp fundamental computer science concepts. This computer science course includes learning objectives, links to quizzes and activities, and ample practice opportunities for traditional computer science problems.	2-S