302698A/B Integrated Science ➔ ½ credit/semester ➔ Prerequisite: None ➔ Grade level: 9	Concepts being covered include Earth's structure and energy, plate tectonics, weather and climate, Earth's solar system, and more.
303092 Honors Science Methods ➔ ½ credit/semester ➔ Prerequisite: Integrated Science ➔ Grade level: 9	Honors Science Methods is a course designed to prepare incoming freshmen, who have received Integrated Science credit, for the experimental design and statistical analysis aspects of future science classes, specifically AP Biology and Dual Credit Chemistry. This project-based class is mapped using the Next Generation Science Standards for Life and Physical Sciences with an emphasis on the science/engineering practices associated with each standard.
302601A/B Biology ➔ ½ credit/semester ➔ Prerequisite: Integrated Science ➔ Grade level: 10	This course introduces the concepts and principles of Biology, and focuses on the biochemical processes essential to the function of life, the dynamics of our ecosystem, how we as a species have affected our ecosystems, genetics, and the topic of evolution.
302646A/B AP Biology ➔ ½ credit/semester ➔ Prerequisite: Integrated Science ➔ Grade level: 10-12 ➔ This is a weighted course	This course is designed to enable students to develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. Concepts and principles of Biology will be covered in depth. Should you pass the AP Exam with a 3 or above, you will receive credit at the College level. This course replaces a 2 semester College course in biology and so a 4 or 5 on the AP Exam can result in 6-8 hours of college credit. For non-science majors who pass this course, this might be all the Science credit hours you need to take for college graduation. For Science Majors, Pre-Med or Pre-Dental, this course replaces one required in the college curriculum. Not passing the AP Exam will still leave you better prepared for college science courses.
304521A/B Chemistry ➔ ½ credit/semester ➔ Prerequisite: Biology	A study of the metric system, dimensional analysis, density, physical and chemical properties of matter, atomic theory, periodic table and periodic properties of matter, chemical bonding, chemical nomenclature, chemical reactions, stoichiometry, nuclear reaction atomic theory, periodic table and periodic properties of matter, chemical bonding, chemical nomenclature, chemical reactions, stoichiometry, nuclear reaction.
304620A/B Applied Science ➔ ½ credit/semester ➔ Prerequisite: Biology	This course is designed for high school students at the junior level who have an interest in science and want to explore a variety of topics in the field. Throughout the course, we will cover NGSS (Next Generation Science Standards) in order to prepare students for the KSA exam and college-level science courses.The course is divided into several units, each covering a different scientific topic. These topics include:

	Integrated Earth and Space Science Biology Chemistry and Physics Environmental Science In addition to learning about specific scientific topics, students will also develop important skills such as data analysis, experimental design, and scientific communication. Students will have the opportunity to conduct experiments, explore concepts, create investigative lab inquiries, and present findings to the class. By the end of the course, students will have a broad understanding of different scientific disciplines and how they relate to one another. Students will also have gained important skills that will prepare you for further studies in science.
304821 Physics ➔ ½ credit/semester ➔ Prerequisite: Biology/Algebra 1 w/C or better ➔ Grade level: 10-12	This course provides a conceptually-based exposure to the fundamental principles and processes of the physical world. Topics include basic concepts of motion, forces, energy, momentum, electricity and circuits. Upon completion, students should be able to describe examples and applications of the principles studied.
304828A/B AP Physics ➔ ½ credit/semester ➔ Prerequisite: Biology/Algebra 1 w/C or better ➔ Grade level: 10-12 ➔ This is a weighted course	AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion, electric charge and electric force, DC circuits, and mechanical waves and sound. College credit is earned with a qualifying score on an AP exam. There are no prerequisite courses. Students should have completed Geometry and be concurrently taking Algebra II or an equivalent course. Although the Physics 1 course includes basic use of trigonometric functions, this understanding can be gained either in the concurrent math course or in the AP Physics 1 course itself.
DCCHEM105 Chemistry 105 w/DCCHEM106 (Lab) ➔ 1 ½ credit/semester and 3 college hours ➔ Prerequisite: Completion of Chemistry w/C or better ➔ Completion of application to college and Dual Credit Contract ➔ This is a weighted course ➔ Grade level: 11-12	This class is the equivalent of a college chemistry class, and will be conducted accordingly. Concepts covered include atomic structure and properties, chemical and physical properties of materials, chemical reactions, the laws of thermodynamics, and chemical bonding. This course fulfills the GEN ED requirement at most colleges. It does not count as departmental credit for Science Majors (Chemistry, Biology, Physics) or PreMed, PreDental or PrePharmacy majors.
302631 Anatomy ➔ 1 credit/all year ➔ Prerequisite: Biology/Chemistry (concurrent) ➔ Grade level: 10-12	This is an introductory course into human anatomy and physiology covering structure and function of human body systems including the digestive system, respiratory system, integumentary system, skeletal-muscular system, circulatory system, and the nervous system as well as the regional and directional terms of the body.

302661 Genetics ➔ ½ credit/semester ➔ Prerequisite: Biology	This course will cover topics including: structure and function of genes, chromosomes and genomes, biological variation resulting from recombination, mutation, and selection, population genetics, use of genetic methods to analyze protein function, gene regulation and inherited disease.
304622A/B AP Environmental Science ➔ ½ credit/semester ➔ Prerequisite: Biology ➔ This is a weighted course ➔ Grade level: 10-12	AP Environmental Science: Environmental science is an interdisciplinary that incorporates principles and concepts from ecology, biology, chemistry, zoology, oceanology, soil science, geology, etc. AP Environmental science is an intense two trimester course that prepares you for introductory science courses in College. Passing the AP Exam could earn you credit for a one semester, introductory college course in environmental science such as Geology, depending on your AP Exam score. There will be a lab component to this course that will consist of several lab research papers that will be written in APA style. The goal of this course is to prepare students for college by teaching them scientific concepts and principles that will explain the relationships of the natural world around us as well as environmental issues that are very much present today (both human and naturally made).
304612 Astronomy A/B ➔ ½ credit/semester ➔ Prerequisite: Biology ➔ Grade level: 10-12	This course focuses on the study of basic astronomical principles, stars, planets, and galaxies.