VIP Course Descriptions 2023-2024

Virtual Instruction program provides live instruction to students on their school campus from teachers at Lake Charles Boston Academy. Students are scheduled to go to a VIP Lab on their campus for the class time of the live instruction. Students then log into the class each day at the designated time for instruction from the VIP teacher.

VIP DUAL ENROLLMENT

SOWELA admissions requirements and complete applications (**paper and online**) are required prior to end of school year. Students meeting requirements during the summer will be admitted based on availability. Dual enrollment courses are semester courses for one high school credit/5-point grade for GPA.

ENGLISH DUAL ENROLLMENT COURSES
VIP ENGIII C1 DW- **ENGL 1010 (English Composition I);** An introduction to essay writing with an emphasis on the recursive writing process. (prereq: Sowela DE eligible) High School English III Credit. FALL only.
VIP ENG IV DE C1 DW- **ENGL 1010 (English Composition I);** An introduction to essay writing with an emphasis on the recursive writing process. (prereq: Sowela DE eligible) High School English IV Credit. FALL only.
VIP ENGIII C2 DW- **ENGL 1020 (English Composition II);** An introduction to research writing. Term paper required. (prereq: C or better in ENGL 1010) SPRING only.
VIP ENG IV DE C2 DW- **ENGL 1020 (English Composition II);** An introduction to research writing. Term paper required. (prereq: C or better in ENGL 1010) SPRING only.
VIP ENGIV FIC DE – **ENGL 2410 (Introduction to Fiction)**; A literature course that includes critical analysis and writing about literature. (prereq: C or better in ENGL 1020) High School English IV Credit. FALL only.
VIP ENGIV DE MYT – **ENGL 2530 (Mythology and Folklore);** A literature course that serves as an introduction to mythology and/or folklore and its role in literature and culture. (prereq: C or better in ENGL 1020/CLEP or AP) SPRING only.
MATH DUAL ENROLLMENT COURSES
VIP ALG III DW – **MATH 1100 (College Algebra);** In-depth treatment of solving equations and inequalities; function properties and graphs; inverse functions; linear, quadratic, polynomial, rational, radical, exponential, and logarithmic functions, and equations; systems of equations and inequalities. (prereq: Sowela DE eligible) FALL only.
VIP T ALG III DW – **MATH 1115 (Transitional College Algebra);** Course equivalent to MATH 1100 which meets the needs of students requiring minimal refreshing of Algebra foundation topics. In-depth treatment of solving equations and inequalities; function properties and graphs; inverse functions; linear, quadratic, polynomial, rational, radical, exponential, and logarithmic functions and equations; systems of equations and inequalities. (prereq: Sowela DE eligible) FALL only. Senior only.
VIP PROB & STAT DW – **MATH 2100 (Probability and Statistics);** Calculation of simple probability in discreet and continuous variable cases. Descriptive statistics; measures of central tendency; binomial, Poisson and normal distributions. Testing hypotheses using normal deviate and t-statistics. (prereq: C or better in MATH 1100/1115) SPRING only.
VIP CALCULUS DW -**MATH 2113 (Calculus);** Limits and continuity of functions; the derivative; techniques of differentiation; Chain Rule; implicit differentiation; transcendental functions; applications of differentiation; concavity; relative extrema; optimization; antiderivatives; definite integrals; Fundamental Theorem of Calculus; area. (prereq: C or better in Math 1223) SPRING only.
VIP TRIG DW – **MATH 1223 (Trigonometry/Pre-Calculus);** Includes the study of trigonometric functions and identities, inverse trigonometric functions, graphs, solving triangles and equations, complex numbers, vectors and polar coordinates. (prereq: C or better in MATH 1100/1115) FALL & SPRING.
SCIENCE DUAL ENROLLMENT COURSE
VIP ENV SCI DW – **ENSC 2000 (Environmental Science I);** Introduction to the relationship of man's environment to his health. It includes a study of the physical and chemical hazards in the workplace, as well as a study of general environmental issues. (prereq: Sowela DE eligible) FALL & SPRING. (High School Science credit)

SOCIAL STUDIES DUAL ENROLLMENT COURSE
VIP INT PSYCH DW – **PSYCH 2010 (Introduction to Psychology);** An overview of psychology designed to familiarize students with the major theories and basic principles for studying and understanding human behavior. (prereq: Sowela DE eligible) FALL & SPRING. (High School Social Studies credit)
FINE ARTS DUAL ENROLLMENT COURSE
VIPTHEATR INT DE – **THEA 1013 (Introduction to Theatre);** Basic aspects, theatre arts, and vocabulary of theatre and dramatic arts, past and present; appreciation and understanding of diverse traditions. Includes opportunities for experiencing live or recorded theatrical performance. (prereq: Sowela DE eligible) FALL only. (High School Fine Arts credit)
VIP ACT DE – **THEA 2103 (Acting);** Introduction to acting through improvisation, thought, emotion, intention, body awareness, and movement. Develops a firm foundation in basic acting techniques. (prereq: THEA 1013) SPRING only. (High School Fine Arts credit)
VIP SPEECH IIIDW – **SPCH 1200 (Public Speaking/Communications)**; Basic public speaking principles and skills. Provides experience preparing, organizing, and presenting each of the following types of speeches: personal, introductory, informative, demonstrative, persuasive, and testimonial. (prereq: Sowela DE eligible) FALL & SPRING. (High School Fine Arts credit)
ELECTIVE DUAL ENROLLMENT COURSES
VIP CR JU I 1C – **CRMJ 1110 (Introduction to Criminal Justice);** Review of history and philosophical background of the US criminal justice systems; the organization of its agencies and processes including the legislature, police, prosecutor, courts, corrections; including their development of modern practices and their role society. (prereq: Sowela DE eligible) FALL only.
VIP CR JU II 1CR – **CRMJ 1332 (Criminal Justice Law);** Study of substantive criminal law including definition of law, crime, defenses, criminal responsibility, punishments, and court systems (pre-req: Sowela DE eligible) SPRING only.
VIP CHIL PSYC DW – **PSYC 2335 (Human Development Psychology);** Physical, psychological, and social aspects of the individual from conception to death. Includes cultural, social, and hereditary factors that affect the individual's behavior throughout the life cycle. (prereq: Sowela DE eligible) FALL & SPRING.

VIP HIGH SCHOOL COURSES

High School courses that may not be available on your campus. Full Year class for one credit.

VIP STAT REAS – This course is designed on the fundamentals of collection, analysis, and interpretation of data. Emphasis is placed on the development of statistical thinking in everyday use. (Math credit) This is a STEM course with a 5-Point GPA Scale.
VIP FORENSICS – The study of forensic science as a tool for collecting evidence and crime scene analysis. Areas of study include physical evidence, properties of matter and the analysis of glass, drugs, forensic toxicology, the microscope, forensic serology, DNA, trace evidence, fire investigation, investigation of explosives, fingerprints, ballistics, forensic anthropology, casts and impressions, document examination and computer forensics. This is a STEM course with a 5-Point GPA Scale.
VIP COM AN PHYS (Comparative Anatomy/Physiology) - This course engages students in rigorous study of the body's physiological systems and then compares these systems across many species in the animal kingdom (both vertebrates and invertebrates). Students will learn to read and interpret published scientific articles to examine evolutionary relationships between species, making connections that will be built on in later bioinformatics studies. This is a STEM course with a 5-Point GPA Scale.
VIP BIO SCI (Intro to Biomedical Science)- This course covers a large variety of fields in biomedicine. Topics include but are not limited to sports medicine, pharmacology, psychology, nutrition, veterinary medicine, bioinstrumentation, biomedical engineering, forensic anthropology, parasitology, and speech pathology. This is a STEM course with a 5-Point GPA Scale.
VIP AP PHYSICS - Emphasis is on vectors, work, energy, and physical states of matter, heat, and electricity. This course is designed for students who will pursue a degree in a scientific field. This is a standard physics class that is instructor lecture/demo based. Most of the presented material is algebra based. AP course- 5-point GPA scale. (Science credit)
VIP ADVANCED CHEMISTRY - This course is the study of the various phases of matter, their characteristics, and their atomic and molecular structure. Follows Modern States curriculum for CLEP voucher and test. (Science credit)

VIP COMP TH STM (Intro to Computational Thinking) - This course introduces students to the basic ideas of computational thinking and artistic design. Students will use an open source, Web-based programming environment to create code for simple drawings, animations, and simulations. This is a STEM course with a 5-Point GPA Scale.
VIP DATA MANI (Data Manipulation) This course introduces students to the emerging field of Data Science. Instructional units cover the standard practices for effective data manipulation, analysis, and interpretation as well as necessary concepts in the three disciplines involved (mathematics, statistics, and computing.) The emphasis on this course is in the application of the concepts rather than the theory. In the second semester, students will work in teams on large projects in which they will use programming to analyze large datasets and create models. This is a STEM course with a 5-Point GPA Scale. (pre-req: Computational Thinking)
VIP SUR COMP SCI (Survey of Computer Science) - This course introduces the basics of computing using fun and engaging activities instead of formally describing the concepts. To prepare students for the rigors of other courses in the STEM Pathways, this course focuses on developing students' interest in computing and identification with the computing professions. This is a STEM course with a 5-Point GPA Scale.
VIP CYBER (Cybersecurity) - Designed to foster interest in Information Technology and networking careers. Through hands-on projects, students learn to install and administer operating systems. This course also covers connections of computing and society, including ethics, security, and privacy in on-line communication. This is a STEM course with a 5-Point GPA Scale.
VIP AF AM HIS (African American History)– Course designed to help you develop an understanding of the causes and consequences of the African American experience and its influence on the world, the United States, and the African American community. (Social Studies credit)
VIP AP HUM GEOG (Human Geography, Advanced Placement) – Study of how humans interact with the Earth – economically, socially, politically, and environmentally using skills of a geographer. (Social Studies credit)
VIP THEATRE I - Basic aspects, theatre arts, and vocabulary of theatre and dramatic arts, past and present; appreciation and understanding of diverse traditions. Includes opportunities for experiencing live or recorded theatrical performance. Full year course created for high school students. (Fine Arts credit)
VIP DANCE THEORY – Study of the history of dance and dance in popular culture. Develop skills for the observation of dance performances. (Fine Arts credit)