

Dual Enrollment and Advanced Placement Courses

Dual Enrollment

ASCS is partnering with John Brown University and Regent University to offer ten dual enrollment courses this year. Students will enroll in Regent University and/or John Brown University and receive college credit upon successful completion of the course. The courses will be taught at Atlantic Shores in the regular classroom by our teachers, who are adjunct faculty members. Payment for JBU courses will be made to ASCS in June, and the school will make payment to JBU. The tuition for *Math for the Liberal Arts* will be made directly to the Regent University. All courses will be taught using the university's curriculum, and students will have to purchase the required textbooks.

Prerequisites for all courses:

1. Junior or senior for all dual enrollment courses; sophomore for AP Music Theory
2. 3.0 cumulative (grades 9-present) grade point average
3. Grade requirement: minimum of 85% or higher in the previous course and recommendation from the prerequisite class teacher.

Additional prerequisite for JBU courses:

1. 20 ACT composite or 950 SAT (EBRW + Math). For *Survey of Calculus* student must have an ACT Math score of at least 24 or SAT Math score of 580.
2. Juniors who have a GPA of 3.25 or higher may qualify based upon a PSAT score of 950 (combined EBRW + Math).

Tuition: JBU courses: \$345; Regent course (Math for the Liberal Arts): \$465; Summit Ministries/Bryan College: \$350

Enrollment Limits: Dual enrollment students **may enroll in up to two JBU classes (6 hours) per semester**. Students may petition to take an additional course, to make a total of three JBU courses in one semester. Math, Science and American Government courses will be taught over the entire year; other courses will be taught such that either the first or second semester will be the Dual Enrollment course. The Regent Course *Math for the Liberal Art*, the Philosophy course from Bryan College and AP Music Theory are **not counted** as one of the two courses allowed per semester.

Potential Course Offerings (in partnership with Bryan College, Regent University and John Brown University) - Please keep in mind that these are potential offerings; exact courses will be determined in the spring based upon faculty availability, student interest and other factors. Courses are available to juniors and seniors unless otherwise noted.

Full Year (Semester one and two)
Cell Biology (rotating years)
Physical Science (rotating years)
Survey of Calculus
Understanding the Times (rotating years)
AP Music Theory (10 th -12 th)
AP Spanish Language and Culture (10 th -12 th)
American Government (Seniors)

Semester One
American History to 1865 (Juniors)
Public Speaking
English I: Composition
Math for the Liberal Arts
Semester Two
American History 1865-present (Juniors)
English II: Literary Analysis and Research (Seniors)

John Brown University Courses

(Students earn three semester hours for all courses.)

MTH 1123 Survey of Calculus

An introduction to the concepts of differentiation and integration. An emphasis is placed on applied problems in physical, life, and social sciences. (Prerequisites: Pre-Calculus Honors grade of 85% or higher and either an ACT Math score of 24 or SAT Math score of 580.)

MTH 2003 Introduction to Statistics

A course to give students an understanding of the concepts of statistics and tools to become critical readers of current issues involving quantitative data. The course focuses on methods of producing data, organizing data, and drawing conclusions from data. Topics include descriptive statistics, frequency distributions, correlation, regression, inference, and significance. Selected topics in research design and the consumer price index are also taught. (Prerequisites: Pre-Calculus Honors grade of 85% or higher and ACT Math score of 24 or SAT Math score of 580.)

EGL 1013 English I: Composition

Writing in a variety of modes and styles for different audiences and purposes. The sequence of written assignments builds on writing from personal experience and gradually integrates perspectives from published sources. A short, research-based essay is required. After the JBU course is completed, the students will continue with either 11th or 12th grade literature.

EGL 1023 English II: Literary Analysis and Research

An introduction to the analysis of literary texts through reading and researching a selection of short stories, poems, dramas, and novels. In addition to essays of analysis of such works, a substantial research paper is required. (Prerequisite: EGL 1013 English I Composition.)

HST 2113 United States History to 1865

A survey of American political, social, and economic history from the colonial era through the Civil War.

HST 2123 United States History since 1865

A survey of American political, social, and economic history from the reconstruction era to the present.

POL 2013 American Government

A study of the origins, institutions, and policies of national, state, and local government in the United States. The course promotes better citizenship through understanding and appreciation of American self-government. A biblical assessment of the various aspects of American government is offered.

BIO 1124 Cell Biology

An introduction to the study of living systems, beginning with the molecules of life and progressing to cellular and organismic levels of organization. Students are exposed to numerous topics in biochemistry, cell structure, energy processing, genetics, and molecular biology. Laboratory exercises reinforce concepts and biological processes discussed in the lecture. Three-hour lecture-discussion and one two-hour laboratory per week. (Prerequisite: Biology and Chemistry)

GSC 1023 Physical Science

Selected and coherent topics in the sciences of physics, chemistry, and earth science. An evaluation of the scientific method and the contributions of the theories and facts of science to society are emphasized so that students have sufficient information to evaluate arguments using scientific justification.

COMM 2523 Public Speaking

Students gain theoretical and applied knowledge of public speaking techniques. Speeches will include extemporaneous, impromptu, informative, persuasive, and rhetorical analysis. After the JBU course is completed, the students will continue with drama and the rest of the regular Speech II/ Drama curriculum. (Prerequisite: Speech I)

Math 101 Math for the Liberal Arts (Three semester hours)

Study of several different fields of mathematics and their applications for liberal arts students. Through the process of discovery with everyday applications, students consider the beauty and elegance of mathematics as they improve their critical thinking and analytical skills. Topics include set theory, inductive and deductive reasoning, basic probability and statistics, number theory, algebraic modeling, basic geometry and trigonometry, and finance applications. *This course cannot be applied to the Regent mathematics major.* (Prerequisite: 90% in Algebra II and a 3.0 GPA)

Bryan College Course

Philosophy 112 (Three semester hours)

Understanding the Times is a two semester course comparing the Christian worldview with five prominent worldviews. This class will help students clearly understand the tenets of the Christian worldview and how it compares with the tenets of other leading worldviews of our day: Islam, Secular Humanism, Cosmic Humanism (New Age), Marxism, and Postmodernism.

Some of the issues covered include: abortion, apologetics, the arts, biotechnology, critical thinking, cults, euthanasia, leadership, radical environmentalism, radical feminism, the problem of evil, religious pluralism, scriptural reliability, and more. (Prerequisite: 1 credit of HS Bible)

Advanced Placement

AP Music Theory

This college level course is designed for students with above average ability in music. Students will engage in intensive study of all aspects of music theory including notation, dictation, and ear training in accordance with the guidelines established by the Advanced Placement Committee of the College Entrance Examination Board. (Prerequisite: teacher recommendation).

AP Spanish Language and Culture

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. (Prerequisite: teacher recommendation)