

## Dual Enrollment and Advanced Placement Courses

### Dual Enrollment

ASCS is partnering with John Brown University, Regent University and Bryan College to offer seven 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 and Bryan College courses will be made to ASCS. The tuition for *Math for the Liberal Arts* will be made directly to the Regent University through the student's account. 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
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* and *Introduction to Statistics*, students 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; AP Exams are approximately \$95.00.

**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 and Bible courses from Bryan College and AP classes 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.

<b>Full Year (Semester one and two)</b>
Cell Biology (rotating years)
Introduction to Statistics
Survey of Calculus
Understanding the Times (rotating years)
Understanding the Faith (rotating years)
AP Spanish Language and Culture (10 <sup>th</sup> -12 <sup>th</sup> )
AP Psychology (11 <sup>th</sup> -12 <sup>th</sup> )

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

### **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 11<sup>th</sup> or 12<sup>th</sup> 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.

**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)

**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)

**Regent University Course****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)

### **Bible 111** (Three semester hours)

*Understanding the Faith* is a two semester course. The first half of the course surveys the basic concepts of Christian belief- the authority of the scripture, the doctrine of the Trinity, and what it means to love God and others. The second half of the course covers introductory apologetic topics- faith, science, truth, tolerance, the problem of evil and the existence of hell.

## Advanced Placement

### **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)

### **AP Psychology**

This course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas. (Prerequisite: teacher recommendation)