

**Atlantic Shores Christian School**  
**Secondary Campus, Grades 9-12**  
**Courses of Instruction**  
**2017 - 2018**

Please note that course placement/selection is done on an individual basis, tailored to each student's interests and strengths.

Classes have an honors option, which will be determined by student achievement and teacher recommendation at the end of the year. Prerequisites for honors classes include a minimum of 85% or higher in the previous course, objective assessments, and a strong work ethic, as determined by the department.

DE Classes Requirement includes a minimum of 85% and teacher approval in the previous course. JBU classes also require a 3.25 GPA for Juniors and a 3.0 GPA for Seniors, 950 SAT (EBRW+Math) or 20 ACT and teacher/administrative approval. Students may take a maximum of two JBU courses per semester.

**Grades 9-12**

**Bible-** Students are required to take one Bible class for each year of attendance at Atlantic Shores.

Bible I/II: Life of Christ, How to Study the Bible, Book of Acts, Church History

Bible III/IV: Systematic Theology and Doctrine, Worldviews, Philosophy, Ethics and Apologetics

Intro to Bible: Introduction to Bible Survey and the Life of Christ. (Prerequisite: All new students 10-12 grades/international students)

Dual Enrollment Bible: Understanding the Times (Prerequisite: one credit of high school Bible)

**English-** Four credits of English are required.

English 9

English 9 Honors

English 10

English 10 Honors

English 11

English 12

Dual Enrollment English (English I Composition and English II Literary Analysis, each three semester hours through John Brown University)

**Science-** Four credits of science are required (three for *General Diploma*).

Earth Science

Biology

Biology Honors

Chemistry (Prerequisite: Biology)

Chemistry Honors (Prerequisite: Biology/Enrolled in or have taken Algebra 2)

Anatomy (Prerequisite: Biology and Jr. or Sr.)

Anatomy Honors (Prerequisite: Biology and Jr. or Sr.)

Oceanography (Prerequisite: Biology and Jr. or Sr.)

Physics Honors (Prerequisite: Pre-Calculus or taking concurrently)

Dual Enrollment Cell Biology (Four semester hours through John Brown University)\*occurs on rotating years

Dual Enrollment Physical Science (Three semester hours through John Brown University)\*occurs on rotating years

**Mathematics-** Four credits of math are required (three for the *General Diploma*).

Algebra I or Algebra I Honors

Geometry or Geometry Honors

Algebra II or Algebra II Honors

Advanced Algebra and Trigonometry

Pre-Calculus Honors

Dual Enrollment Survey of Calculus (Three semester hours through John Brown University) (Prerequisites: Pre-Calculus Honors grade of 85% or higher and ACT Math score of 24 or SAT Math score of 580.)

Dual Enrollment Intro to Statistics (Three semester hours through John Brown University) (Prerequisites: Pre-Calculus Honors grade of 85% or higher and ACT Math score of 24 or SAT Math score of 580.)

Dual Enrollment Math for the Liberal Arts (Three semester hours through Regent University) (Prerequisite: 85% average in Algebra II)

**Humanities-** Four credits of Humanities are required.

World History II

World History II Honors

Economics and Geography

Economic and Geography Honors

American History

American Government

Dual Enrollment American History (Two semester classes; six semester hours through John Brown University)

**Physical Education/Health-** Two credits of PE/Health are required.

Health/PE 9/10

Advanced Girls PE (must be a junior or senior who has completed one PE course)

Adv. Boys PE/Weightlifting (must be a junior or senior who has completed one PE course)

The two-sport option may be used to fulfill PE/Health credits. In order to earn one PE/Health credit, the student must successfully participate on a sport's team for two seasons, within 9<sup>th</sup>-12<sup>th</sup> grades. Four seasons of a sport earns two PE credits.

**Foreign Language-** Two credits of a foreign language are required for the *College Preparatory Diploma*.

Spanish I

Spanish II

Spanish III

Spanish III Honors

AP Spanish IV

**Advanced Microsoft Applications-** One credit is required for graduation.

The course is designed to teach students how to navigate and effectively use the tools in Microsoft Word, Excel, and PowerPoint. The emphasis is upon the student learning how to use these tools to complete excellent assignments in all of their subject areas.

### **Introduction to Computer Programming**

In a world God has blessed with computers, it is essential that we develop an understanding of how this marvelous tool works. This course will be a behind the scenes look at how programs run a computer, which is computer science. Students will learn to write code and develop programs.

**Speech-** One credit of Speech is required for graduation. Speech I may be taken in grades 10 – 12.

Speech I

Dual Enrollment Public Speaking. (Prerequisite: Speech I) (Three semester hours through John Brown University)

Speech II

Students will learn and apply public speaking techniques. Speeches include informative, extemporaneous, impromptu, persuasive, rhetorical analysis, and choric speaking. (Prerequisite: Speech I (Semester 2/.5 credit)

**Electives-** (Only those electives with adequate student interest will be offered.)

### **Art I**

This course employs a range of traditional and new art media to explore their own identity, aesthetics, art history and theory, divergent cultural perspectives, and various issues that make up their visual culture. It is a fundamental goal of this course to help students develop the skills to understand the History of Art and to creatively invent aesthetic forms that incorporate techniques passed down through the ages by the Masters of Art.

### **Art II**

Students enrolled in Art II are expected to organize the components of their personal artwork through their knowledge of Principles of Design and Elements of Art. At this level, their personal style will become more apparent. In Art II, students will focus on composition and layout. They will delve deeper into a broad range of mediums, draw on information learned in Art I, and apply that knowledge to original works of art based on topics provided by the teacher. (Prerequisite: Art I)

### **Art III**

In Art III, students will engage in the creative process by way of producing two-dimensional and three-dimensional pieces, working on a college portfolio and applying knowledge from previous years of experience to original works of art based on a broad topic provided by the teacher. The students at this level will initiate, define and solve challenging visual art problems independently using skills such as analysis, synthesis and evaluation. Art III students will leave this level prepared to enter an arts program at the college level. (Prerequisite: Art II)

## **Art IV Studio Art**

The Studio Art Program consists of three mediums — 2-D Design, 3-D Design and Drawing. It is designed for students who are seriously interested in the practical experience of art. Students work with diverse media, styles, subjects, and content to create a portfolio of work to be submitted at the end of the year for outside evaluation. (Prerequisite: Art 3 and/or teacher recommendation)

## **Band**

High School Band is offered during zero bell (7:30 - 8:15 am), and Middle School Band is offered first bell. Jazz Band meets one day each week and is open to students with experience on one of these instruments: Alto Sax, Tenor Sax, Bari Sax, Trumpet, Trombone, Euphonium, Piano, Guitar, Bass Guitar, Drums & Percussion.

## **Choir**

Choir is open for students in grades 9-12 and is offered five days per week during zero bell.

## **Choir Ensemble**

Students must audition and have permission from the choir director to take Choir Ensemble.

## **Worship Ministry**

This class focuses on practical approaches to designing music and worship programs in the church. With an emphasis on the application of music and technology, management techniques from ministry and musical standpoints are explored. The class offers a basic overview of what is expected of the music minister with regard to his/her person and assignment. Methods of leading children, youth, and adults in music ministry are included.

## **Personal Finance**

This course is designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets; simulate use of checking and saving accounts; demonstrate knowledge of finance, debt, and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions. This math class will count as a math credit for those earning the *General Diploma* only. (Prerequisite: Algebra I)

## **Resource**

This program is for those students who need additional assistance to be successful in their coursework. Students seeking to be accepted to Resource will apply to the Director of Resource who will determine placement by testing and IEPs.

## **Journalism/Yearbook**

Students will produce and distribute the yearbook as well as complete several other projects. The topics to be covered include photography, interviewing, writing articles, page layout design and the use of the Jostens website.

### **Reel Faith: Finding God in the Movies**

The class will be screening a variety of movies through the lens of faith, seeking insights on the spiritual dimension of each film. Students will be able to learn the skills necessary to engage today's culture in a productive way from a Biblical standpoint.

### **SAT Preparation**

The SAT Prep class will teach students ways to improve their effectiveness and efficiency in test taking and how to do an appropriate analysis of questions by using real SAT exam questions. Students will focus on the math and writing portion of the exam. (Semester 1 or 2/ .5 credit)

### **Digital Photography**

Digital Photography is an introductory course designed to train students on how to use standard digital camera equipment, provide instruction in basic design principles, rules of composition, history of photography and exposure to the masters of photography, past and present. Students with no experience as well as those who are already camera-savvy will find this class worth taking. Please note: a digital camera is required; phone cameras do not allow for high enough quality. (Semester 1/.5 credit)

### **Video Production**

This course is designed to provide the student with an introduction to the theory and technique of film/video production. The class will provide the basic study of story, scriptwriting, directing, camera operations, lighting, sound, and editing techniques. Careers within the industry will be explored and distinguished filmmakers in their field will be highlighted. Video camera or digital camera that records video is required. (Semester 2/.5 credit)

### **Personal Finance (Abbreviated version)**

This course is designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets; simulate use of checking and saving accounts; demonstrate knowledge of finance, debt, and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions. (Semester 1 or 2/.5 credit)

### **Design 101 (Prerequisites: Geometry and 9th Grade English)**

In Design 101, you will learn the fundamentals of design through sketching, 3D Modeling, graphic layout, study, and writing. You will be exposed to architecture, art, engineering, graphic design, and industrial design. The class will consist of projects, assignments, presentations and tests that will push you to develop design skills and a design language that you can use as a tool for a variety of future careers. You will be challenged as you learn the basics, develop your skills and learn about your individual talents as a designer.

### **Design 102 (Prerequisites: Design 101 or Interview with Jeff Ganthner)**

In Design 102, you will build off the basics that you developed in Design 101 by first challenging everything that you learned about design and yourself. Presentations and projects will be the focus of this class as you use your newly developed design language to improve your designs and challenge yourself and others. You will choose a primary path for the semester: architecture, engineering, industrial design and/or graphic design.

## Dual Enrollment and Advanced Placement

ASCS is partnering with John Brown University and Regent University to offer nine 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. Our teachers, who are adjunct faculty members, will teach the courses at Atlantic Shores in the regular schedule. Payment for JBU courses is made to ASCS in June, and the school will make payment to JBU. The tuition for *Math for the Liberal Arts* is made directly to the Regent University. All courses are taught using the university's curriculum, and students will have to purchase required textbooks.

### Prerequisites for all courses:

1. Junior or senior for all dual enrollment courses
2. 3.0 (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 100 (combined Critical Reading and Math).

**Tuition:** JBU courses: \$345; Regent course (Math for the Liberal Arts): \$465; Summit Ministries/Bryan College: \$350; AP Exam: \$93

**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, for 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 the second semester will be the Dual Enrollment course. The Regent course *Math for the Liberal Art*, the Philosophy course from Bryan College, AP Music Theory and AP Spanish 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 ( Semesters one and two)
Cell Biology (rotating years)
Physical Science (rotating years)
Survey of Calculus
Introduction to Statistics
Understanding the Times (rotating years)
AP Music Theory (10 <sup>th</sup> -12 <sup>th</sup> )
AP Spanish Language and Culture (10 <sup>th</sup> -12 <sup>th</sup> )

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 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)

### **HIS 2113 United States History to 1865**

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

### **HIST 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 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 life science. An evaluation of the scientific method and 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)

### **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)

### **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)