

# Accomack County *Public Schools*

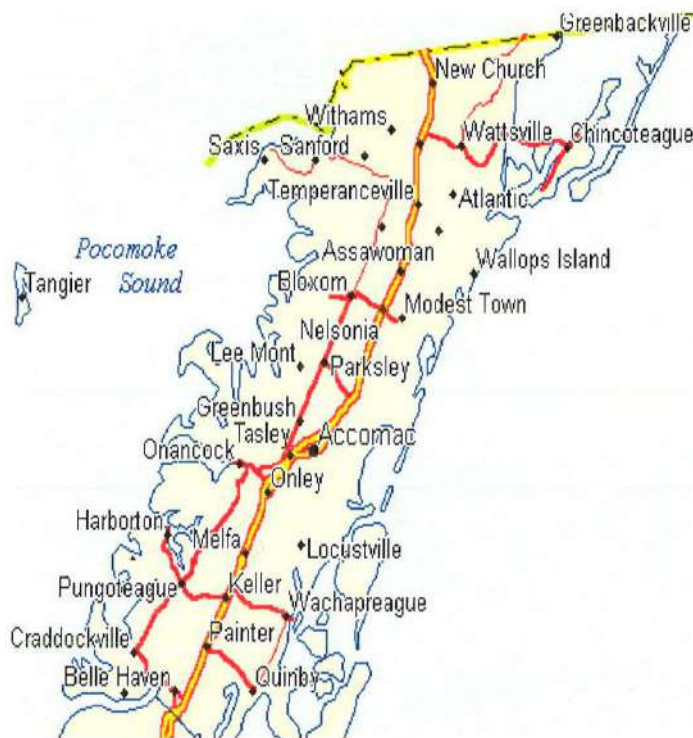
Learners - Community - Challenge - Growth

## Course Offerings and Graduation Guide

**Arcadia High**



**Nandua High**



**Chincoteague Combined**



**Tangier Combined**



Effective immediately and supersedes any prior Course Offering Guide  
June 2021

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**\*Course Offering Guide subject to change.**

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# Course Offering Guide

## GENERAL INFORMATION

The purpose of this **COURSE OFFERING GUIDE** is to provide information about the courses offered at Accomack County Public Schools, as well as diploma types, graduation requirements, grade point averages (GPAs), grading scales, promotion policies, and eligibility for extracurricular activities.

Accomack County Public Schools utilizes a 4 x 4 **BLOCK SCHEDULE**. With this schedule, each student takes four (4) courses each semester for a total of eight (8) courses for the entire school year. Students will not be permitted to be enrolled in more than four (4) courses a semester.

In the 4 x 4 **BLOCK SCHEDULE**, most courses are taught 94 minutes a day, five days a week for one semester. Some courses will be taught 94 minutes a day, five days a week for the entire year (2 semesters). These courses will constitute two (2) of the eight (8) courses that can be selected by a student in the 4 x 4 **BLOCK SCHEDULE**. A student will earn 2 credits for the Badger courses that meet both semesters.

## **Accomack County Public Schools Mission Statement**

The Accomack County Public School Division is committed to providing a safe, engaging, student-centered environment where all learners are challenged, encouraged, and supported to maximize growth and be prepared for further education, citizenship, and work.

The Accomack County Public Schools does not discriminate in employment or any of its educational programs and activities against qualified individuals with disabilities, nor on the basis of age, gender, race, color, religion, or national origin.

### **STUDENTS' RIGHT TO A FREE PUBLIC EDUCATION: ATTENDANCE AGE FOR STUDENTS**

Students who fail to graduate or who fail to achieve the number of verified units of credit required for graduation have a right to a free public education if they have not reached age 20 on or before August 1 of the school year (*Code of Virginia*, Chapter 1 §22.1-1 et seq.).

Students for whom English is a second language (ESL) who entered Virginia schools for the first time after their twelfth birthday who fail to graduate or who fail to achieve the number of verified units of credit required for graduation may be provided a program for ESL students if they have not reached age 22 on or before August 1 of the school year. No tuition will be charged if state funding is provided for such program (*Code of Virginia*, Chapter I §22.1-5).

### **DISABLED STUDENTS' RIGHTS TO A FREE AND APPROPRIATE PUBLIC EDUCATION: ATTENDANCE AGE FOR STUDENTS WITH INDIVIDUALIZED EDUCATION PROGRAMS (IEP)**

Students identified as disabled and who have an individualized education program (IEP) and who fail to meet graduation requirements have a right to a free and appropriate education to age 21, inclusive (meaning they have not reached their 22<sup>nd</sup> birthday on or before September 30). These services end when the student graduates or when the student no longer qualifies as disabled (*Code of Virginia*, Article 1 §22.1-213 et seq. of Chapter 13).

## GRADUATION REQUIREMENTS AND DIPLOMA OPTIONS

As mandated by the Virginia Department of Education, students entering ninth grade for the first time in **2018-2019 and beyond**, the following graduation requirements will take effect:

- a student must earn a board-approved career and technical education credential to graduate with a Standard Diploma; and successfully complete one virtual course, which may be non-credit bearing
- a student must successfully complete one virtual course, which may be non-credit bearing, to graduate with an Advanced Studies Diploma

### Community Service:

Beginning with students entering ninth grade for the first time in **2018-2019 and beyond**, Accomack County Public Schools will require a student to build connections and value interactions with others as a responsible and responsive citizen as part of graduation requirements. To meet the citizenship requirement for the Virginia Department of Education's Profile of a graduate, each student will be required to have ten (10) hours of community service each year of high school, or a total of forty (40) hours. A Board of Education Seal for Excellence in Civics Education can be awarded if requirements met. (See The Board of Education's Seal for Excellence in Civics Education under the Diploma Seals section of this Course Offering Guide.)

### Career & Technical:

Beginning with students entering ninth grade for the first time in **2013-2014 and beyond**, Accomack County Public Schools will require a student to be a career and technical education completer (complete at least two sequential courses in a career and technical education program area) in order to graduate with a Standard Diploma.

Students who enter the ninth grade beginning in 2013-2014 may earn the following diplomas:

- Standard Diploma
- Advanced Studies Diploma
- Applied Studies Curriculum Diploma

Descriptions of all diploma types follow. **Note: All graduation requirements in this Course Offering Guide reflect VDOE and ACPS expectations at the time of publication.**



Beginning with the ninth-grade class of 2018-2019 and beyond, students shall earn the required standard and verified units of credit.

Standard Diploma Course Requirements			
Discipline Area	Standard Credits: effective with first- time ninth graders in 2018-2019	Verified Credits: effective for first- time ninth graders in 2018-2019	Community Service Hours
English (reading and writing)	4	2	
Mathematics [Note 1]	3	1	
Laboratory Science [Note 2]	3	1 [Note 6]	
History & Social Science [Note 3]	3	1 [Note 6]	
Health & Physical Education	2		
World Language, Fine Arts or Career & Technical Education [Note 4]	2		
Economics and Personal Finance	1		
Electives [Note 5]	4		
Total	22	5	40

**NOTE 1:**

**For students entering the ninth grade for the first time in 2018-2019 and beyond:** Courses completed to satisfy this requirement shall include at least two different course selections from among: algebra I, geometry, algebra functions, and data analysis, algebra II, or other mathematics courses approved by the board to satisfy this requirement. An approved computer science credit earned by students may be considered a mathematics course credit.

**NOTE 2:**

**For students entering the ninth grade for the first time in 2018-2019 and beyond:** Courses completed to satisfy this requirement shall include course

selection from at least two different science disciplines: earth sciences, biology, chemistry, or physics, or completion of the sequence of science courses required and shall include interdisciplinary courses that incorporate Standards of Learning content from multiple academic areas. The board shall approve courses to satisfy this requirement. An approved computer science credit earned by students may be considered a science course credit.

**NOTE 3:**

- **For students entering the ninth grade for the first time in 2018-2019 and beyond:** Courses completed to satisfy this requirement shall include Virginia and U.S. History, Virginia and U.S. Government, and one course in either world history or geography or both. The board shall approve courses to satisfy this requirement.

**NOTE 4:**

- **For students entering the ninth grade for the first time in 2018-2019 and beyond:** Credits earned for this requirement shall include one credit in fine or performing arts or career and technical education. An approved computer science course credit earned by students may be considered a career and technical course credit.

**NOTE 5:**

- **For students entering the ninth grade for the first time in 2018-2019 and beyond:** Courses to satisfy this requirement shall include at least two sequential electives. More information is provided in the Guidance Document Governing Certain Provisions of the SOA (8VAC-20-131)

**NOTE 6:**

- Students who complete a career and technical education program sequence and pass an examination or occupational competency assessment in a career and technical education field that confers certification or an occupational competency credential from a recognized industry, or trade or professional association or acquires a professional license in a career and technical education field from the Commonwealth of Virginia may substitute the certification, competency credential or license for either laboratory science or history and social science verified credit when the certification, license, or credential confers more than one verified credit. The examination or occupational competency assessment must be approved by the board as an additional test to verify student achievement.

**Additional Requirements for Graduation:**

- **Advanced Placement, Honors, or International Baccalaureate Course or Technical Education Credential:** In accordance with the Standards of Quality, students shall either (i) complete an Advanced Placement, honors, or International

Baccalaureate course, or (ii) earn a career and technical education credential approved by the board, except when a career and technical education credential in a particular subject area is not readily available or appropriate or does not adequately measure student competency, in which case the student shall receive satisfactory competency-based instruction in the subject area to satisfy the standard diploma requirements. The career and technical education credential, when required, could include the successful completion of an industry certification, a state licensure examination, a national occupational competency assessment, or the Virginia workplace readiness assessment.

- **Virtual Course:** Students shall successfully complete one virtual course, which may be a non-credit bearing course or a required or elective credit-bearing course that is offered online.
- **Training in emergency first aid, cardiopulmonary resuscitation (CPR), and the use of automated external defibrillators (AED):** Students shall be trained in emergency first aid, CPR, and the use of AED, including hands-on practice of the skills necessary to perform cardiopulmonary resuscitation. Students with an IEP or 504 Plan that documents that they cannot successfully complete this training shall be granted a waiver from this graduation requirement, as provided in 8VAC20-131-420 B.
- **Demonstration of the five Cs:** Students shall acquire and demonstrate foundational skills in critical thinking, creative thinking, collaboration, communication, and citizenship in accordance with the Profile of a Virginia Graduate approved by the Board.

**\*\*Standard Diploma course requirements for students entering ninth grade in 2011-2012 through 2017-2018 will refer to VDOE for graduation requirements needed.**

Beginning with the ninth-grade class of 2018-2019 and beyond, students shall earn the required standard and verified units of credit.

Advanced Studies Diploma Course Requirements			
Discipline Area	Standard Credits: effective with first- time ninth graders in 2018-2019 and beyond	Verified Credits - effective with ninth graders in 2018- 2019 and beyond	Community Service Hours
English (reading and writing)	4	2	
Mathematics [Note 1]	4	1	
Laboratory Science [Note 2]	4	1	
History & Social Sciences [Note 3]	4	1	
World Languages [Note 4]	3		
Health & Physical Education	2		
Fine Arts or Career & Technical Education [Note 5]	1		
Economics and Personal Finance	1		
Electives [Note 6]	3		
Total	26	5	40

**NOTE 1:**

- **For students entering the ninth grade for the first time in 2018-2019 and beyond:** Courses completed to satisfy this requirement shall include at least three different course selections from among: Algebra I, Geometry, Algebra II, or other mathematics courses above the level of Algebra II. The board shall approve courses to satisfy this requirement. An approved computer science course credit earned by students may be considered a mathematics course credit.

**NOTE 2:**

- **For students entering the ninth grade for the first time in 2018-2019 and beyond:** Courses completed to satisfy this requirement shall include course selections from at least three different science disciplines from among: earth science, biology, chemistry, or physics, or completion of the sequence of science. The Board shall approve courses to

satisfy this requirement.

**NOTE 3:**

- **For students entering the ninth grade for the first time in 2018-2019 and beyond:** Courses completed to satisfy this requirement shall include U.S. and Virginia History, U.S. and Virginia Government, and two courses in either world history or geography or both. The Board shall approve courses to satisfy this requirement.

**NOTE 4:**

- Courses completed to satisfy this requirement shall include three years of one language or two years of two languages.

**NOTE 5:**

- An approved computer science course credit earned by students may be considered a career and technical credit.

**NOTE 6:**

- **Sequential Electives** – Effective with the graduating class of 2003 and beyond, students who wish to receive a Standard or Applied Studies Curriculum Diploma must successfully complete two sequential electives. On February 5, 2002, the Board of Education approved Guidelines for Sequential Electives for the Standard (PDF).
  - Sequential electives may be in any discipline as long as the courses are not specifically required for graduation.
  - Courses used to satisfy the one unit of credit in a fine arts or career and technical education course may be used to partially satisfy this requirement.
  - For career and technical education electives, check with the Office of Career and Technical Education at (804) 225-2051.
  - An exploratory course followed by an introductory course may not be used to satisfy the requirement.
  - An introductory course followed by another level of the same course of study may be used.
  - Sequential electives do not have to be taken in consecutive years.
  - Example of sequential electives: Art I and Art II.

### **Additional Requirements for Graduation:**

- **Advanced Placement, Honors, or International Baccalaureate Course or Technical Education Credential:** In accordance with the Standards of Quality, students shall either (i) complete an Advanced Placement, honors, or International Baccalaureate course, or (ii) earn a career and technical education credential approved by the board, except when a career and technical education credential in a particular subject area is not readily available or appropriate or does not adequately measure student competency, in which case the student shall receive satisfactory competency-based instruction in the subject area to satisfy the standard diploma requirements. The career and technical education credential, when required, could include the successful completion of an industry certification, a state licensure examination, a national occupational competency assessment, or the Virginia workplace readiness assessment.
- **Virtual Course:** Students shall successfully complete one virtual course, which may be a non-credit bearing course or a required or elective credit-bearing course that is offered online.
- **Training in emergency first aid, cardiopulmonary resuscitation (CPR), and the use of automated external defibrillators (AED):** Students shall be trained in emergency first aid, CPR, and the use of AED, including hands-on practice of the skills necessary to perform cardiopulmonary resuscitation. Students with an IEP or 504 Plan that documents that they cannot successfully complete this training shall be granted a waiver from this graduation requirement, as provided in 8VAC20-131-420 B.
- **Demonstration of the five Cs:** Students shall acquire and demonstrate foundational skills in critical thinking, creative thinking, collaboration, communication, and citizenship in accordance with the Profile of a Virginia Graduate approved by the Board.

## **APPLIED STUDIES DIPLOMA**

- The Applied Studies Diploma program is intended for students who have a disability and who complete the requirements of their individualized education programs (IEPs) and are unable to meet the requirements for a standard diploma.
- The school must secure the informed written consent of the parent/guardian and the student to choose this diploma program after review of the student's academic history, present levels of performance as described in the IEP, and the full disclosure of the student's options. This criterion is met if the parent or adult student gives consent of the IEP in which the applied studies option is proposed and the prior written notice to the parent reflects that all options were considered.
- The IEP team will use the Applied Studies Curriculum Map (PDF), which is a set of skills and competencies, to identify the need for additional instruction that students will need to achieve their postsecondary goals. These skills are not standards or required to earn the Applied Studies Diploma, but provide guidance to IEP teams in aligning the student's transition goals with the goals outlines in the annual IEP.
- Students pursuing the Applied Studies Diploma may not be excluded from the Virginia Accountability requirements and must participate in the Standards of Learning Assessments (SOLS), Virginia Substitute Evaluation Program (VSEP), or Virginia Alternate Assessment Program (VAAP) as determined by the student's IEP and assessment eligibility criteria.
- Graduation requirements will vary by student based on the individualized education program.

Information in this Program of Studies is subject to change pending state and local board action. All courses described will be offered pending adequate enrollment, teaching staff, and available funding.

**Requirements for an Applied Studies Diploma:** In accordance with the requirements of the Standards of Quality, a student with disabilities who completed the requirements of the student's IEP and does not meet the requirements for other diplomas shall be awarded Applied Studies Diploma in accordance with state and federal laws and regulations regarding special education.

Students who pursue an Applied Studies Diploma shall be allowed to pursue a Standard Diploma or an Advanced Studies Diploma at any time during high school. Such students shall not be excluded from courses or tests required to earn these diplomas.

**HIGH SCHOOL SOL TESTS AND VERIFIED CREDITS**  
**Revised 2012-2013 for Students Entering Grade 9 in 2011 or Beyond**

Students enrolled in the following EOC high school classes will take Standards of Learning (SOL) tests until they satisfy verified credit requirements and meet Federal Standards.

<b>MATH</b>	<b>SCIENCE</b>	<b>SOCIAL</b>	<b>ENGLISH</b>
<b>Algebra I or Algebra I Part I &amp; Part II</b>	<b>Earth Science</b>	<b>World Geography</b>	<b>English: Reading English: Writing (Administered in Grade 11) *Test Only-Required</b>
		<b>World History I</b>	
<b>Geometry or Geometry Part I &amp; Part II</b>	<b>Biology *Test Only-Required</b>	<b>World History II</b>	
<b>Algebra II</b>	<b>Chemistry</b>	<b>Virginia &amp; US History</b>	

**To receive a diploma, students must earn the following number of total credits and “verified credits.” A “verified credit” is earned by PASSING THE COURSE and PASSING THE END-OF-COURSE SOL TEST.**

**The VDOE Guidelines on Credit Accommodations at a Glance – SEE APPENDIX**

In mathematics and science, eligible students with disabilities may select from the list of courses approved by the Board of Education to satisfy graduation requirements in those content areas. To satisfy the history and social science graduation requirements, students must complete Virginia and U.S. History and Virginia and U.S. Governments as the minimum content courses. It is the IEP team/504 committee’s responsibility to determine the recommended coursework appropriate for each eligible student.

The Board of Education’s Guidelines on Credit Accommodations allows Part I and II of Algebra I, Geometry, Earth Science, and Biology to each earn a standard credit towards the total number required in the subject area for the Standard Diploma only. A student who chooses to earn standard credits by taking both Algebra I and Geometry in two parts or both Earth Science and Biology in two parts much complete both parts of both courses to meet the minimum course requirements, and would earn three standard credits in the content area plus one additional credit that could count as an elective credit. Two-part courses may also be combined with full-year courses to meet the requirements.



Examples- (Note: Credit accommodations apply only for eligible students with disabilities and only for the Standard Diploma.)

- Mathematics
  - An eligible student completing Algebra I, Parts I and II (3131/3132) and Geometry, Parts I and II (3144/3145) would earn three standard credits in mathematics and 1 additional credit that could count as an elective credit.
  - A student could take Algebra I, Parts I and II (3131/3132) and a full-year Geometry course (3143) to earn the required three standard credits in mathematics.
  - A sequence of Algebra I, Parts I and II (3131/3132) and Algebra, Functions, and Data Analysis (3134) could be used in place of an Algebra I (3130) and Geometry (3143) to earn the required three standard credits in mathematics.
  - If a student chooses to take full-year courses in Algebra I (3130) and Geometry (3143), he/she would need to complete one additional approved course in mathematics to earn the third standard credit in mathematics, i.e., no mathematics credit accommodations have been exercised.

## **Other Options**

### **General Educational Development Certificates (GED)**

Regulations Governing General Educational Development Certificate

#### **8 VAC 20-360-10**

Certificates may be issued to individuals who meet the following requirements:

1. Age. An applicant must be at least 18 years of age and not enrolled in a public or private high school. Under special circumstances, which are consistent with the Code of Virginia, §§ 22.1-254 and 22.1-254-2, the age limit may be lowered to 16 years of age.
2. Minimum scores requirements. The following minimum score requirements must be met depending upon when the candidate took the General Educational Development (GED) Tests:
  - For test batteries completed on or after January 1, 2002, individuals must achieve the minimum passing score requirements set by the GED Testing Service of the American Council on Education or such higher score requirements that may be established by the Virginia Board of Education.
3. In-state testing. Only those entities designated by the Department of Education as Official Virginia GED Testing Centers shall determine whether an individual is eligible

to take GED Tests in accordance with policies of the GED Testing Service of the American Council on Education and the Code of Virginia, §22.1-254.2. GED Tests shall be administered only at Official Virginia GED Testing Centers or addendum test sites that have been approved by the Virginia GED Administrator and the GED Testing Service.

Credit for scores on GED Tests administered out-of-state. Official test scores may be accepted from an approved state agency, an official jurisdiction responsible for overseeing GED Testing, or an official GED testing center outside of Virginia.

### **Retesting-GED (8 VAC 20-360-20)**

Individuals may take the full battery of tests up to three times during a calendar year to qualify for a General Educational Development Certificate. Test scores may be combined in accordance with GED Testing Service policy.

Statutory Authority: Section 22.1 -223 et seq. of the Code of Virginia.

Historical Note: Derived from VR 270-01-0035

### **Individualized Student Alternative Education Plan Diploma (ISAEP)**

The ISAEP program is open to any student who is at least 16 years old, obtains a 7.5 grade equivalency on a standardized reading test, and for whom an individual student alternative education plan is developed. This education plan is developed in a meeting between the student, the student's parents, and the principal or designee. The ISAEP must include career guidance counseling, career and technical education, mandatory enrollment in a General Education Development (GED) testing program or other alternative education program approved by the local school board, counseling on the economic impact of failing to complete high school, and provisions for transition back to the home school. Students that successfully complete the program will be eligible to participate in graduation exercises at their home school. They will receive a GED certificate, issued by the state of Virginia, in place of the standard diploma.

Students with an ISAEP may elect to re-enroll in the regular school or other alternative school program for any reason prior to completing their plan. To re-enroll into the regular or the alternative educational program, the student or parent should put this request in writing to the Superintendent.

### **Certificate of Program Completion (Special Education)**

The Standards of Quality require that students with disabilities who do not complete the requirements of their Individualized Education Program (IEP) and do not meet the requirements for the other diplomas be awarded Certificates of Program Completion and may participate in the graduation ceremony. A student's GPA will not be included in class rank with the Certificate of Program Completion.

**Requirements for Certificated of Program Completion:** In accordance with the requirements of the Standards of Quality, students who complete prescribed programs of studies defined by the local school board but do not qualify for a Standard Diploma, an Advanced Studies Diploma, or an Applied Studies Diploma shall be awarded Certificates of Program Completion. The requirements for Certificates of Completion are developed by local school boards in accordance with the Standards of Quality.

### **Certificate of Program Completion (General)**

Students who complete the required number of credits for graduation but do not have the required number of verified credits will be granted a locally awarded Certificate of Program Completion according to the Standards of accreditation. Students awarded the Certificate of Program Completion may return for evening or summer remedial classes and take the required SOL test(s) to try to earn a full diploma as often as the tests are administered for up to three (3) years after their classes have graduated. Because the Certificate of Program Completion is not a regular diploma, the students' GPA will not be included in class rank. Students receiving the Certificate of Program Completion will not be allowed to participate in graduation ceremonies.

### **Participation in Graduation Ceremony**

Participation in graduation ceremony will be reserved only for students who meet Virginia's criteria for completing high school requirements either through granting of a high school diploma or a state approved alternative such as the ISAEP/GED program or special education options. Students can participate with required School Board approval.

### **Alternative Education Program**

Students who attend the Alternative Education Programs and transition to selected education programs would be able to graduate by earning a minimum of 22 credits presently required for graduation. The credit schedule and requirements are the same as for transfer students.

### **Reconnect Program**

Students will participate in the Apex online program. They will also be required to take SOL tests.

## DIPLOMA SEALS

Regulations Establishing Standards for Accrediting Public Schools in Virginia, effective September 7, 2006, contains provisions for awards for exemplary performance for students who meet the requirements for graduation as follows:

**The Governor’s Seal** shall be awarded to students who complete the requirements for an Advanced Studies Diploma with an average grade of “B” or better and successfully complete college-level coursework that will earn the student at least nine transferable college credits in Advanced Placement (AP), or dual enrollment courses.

**The Board of Education Seal** shall be awarded to students who complete the requirements for a Standard Diploma or an Advanced Studies Diploma with an average grade of “A”.

**The Board of Education’s Career and Technical Education Seal** shall be awarded to students who earn a Standard Diploma or Advanced Studies Diploma and complete a prescribed sequence of courses in a career and technical education concentration or specialization that they choose and maintain a “B” or better average in those courses; or (I) pass an examination or an occupational competency assessment in a career and technical education concentration or specialization that confers a certification or occupational competency credential from a recognized industry, trade, or professional association, or (ii) acquire a professional license in that career and technical education field from the Commonwealth of Virginia. The board shall approve all professional licenses and examinations used to satisfy these requirements.

**The Board of Education's Seal of Advanced Mathematics and Technology** shall be awarded to students who earn either a Standard Diploma or an Advanced Studies Diploma and: (i) satisfy all of the mathematics requirements for the Advanced Studies Diploma (four units of credit including Algebra II; two verified units of credit) with a "B" average or better; and (ii) complete one of the following: (a) pass an examination in a career and technical education field that confers certification from a recognized industry, trade, or professional association; (b) acquire a professional license in a career and technical education field from the Commonwealth of Virginia; or (c) pass an examination approved by the Board that confers college-level credit in a technology or computer science area. The Board shall approve all professional licenses and examinations used to satisfy these requirements.

*\*PLEASE NOTE:* This seal will be replaced by the Board’s STEM Seal as a result of [House Bill 167](#) (2018), but will remain available to students who entered high school prior to the 2018 – 2019 school year.

**The Board of Education's Seal for Science, Technology, Engineering and Mathematics (STEM)** shall be awarded to students who earn either a Standard Diploma or an Advanced Studies Diploma and (i) satisfy all Math and Science requirements for the Advanced Studies diploma with a “B” average or better in all course work; and (ii) successfully complete a 50 hour or more work-based learning opportunity in a STEM area; and (iii) satisfy all requirements for a Career and Technical Education concentration (A concentration is a coherent sequence of two or more state-approved courses as identified in the course listing within the [CTE Administrative Planning Guide](#)); and (iv) pass one of the following: (a) a Board of Education CTE STEM-H credential examination, or (b) an examination approved by the Board that confers a college-level credit in a STEM field.

*\*PLEASE NOTE:* This seal was established by [House Bill 167](#) (2018) to replace the Board’s Seal of Advanced Mathematics and Technology. This seal is available to graduating seniors in the Class in 2019 and beyond. The Board’s Seal of Advanced Mathematics and Technology remains available to students that entered the ninth grade prior to the 2018-2019 school year.

**The Board of Education’s Seal for Excellence in Civics Education** shall be awarded to students who earn either a Standard Diploma or Advanced Studies Diploma and: (i) complete Virginia & United States history and Virginia & United States government courses with a grade of “B” or higher; and, (ii) have good attendance and no disciplinary infractions as determined by local school board policies and, (iii) complete 50 hours of voluntary participation in community service or extracurricular activities. Activities that would satisfy the requirements of clause (iii) complete 50 hours of voluntary participation in community service or extracurricular activities. Activities that satisfy the requirements of clause (iii) of this subdivision include: (a) volunteering for a charitable or religious organization that provides services to the poor, sick or less fortunate; (b) participating in Boy Scouts, Girl Scouts, or similar youth organizations; (c) participating in JROTC; (d) participating in political campaigns or government internships, or Boys State, Girls State, or Model General Assembly; or (e) participating in school-sponsored extracurricular activities that have a civics focus. Any student who enlists in The United States military prior to graduation shall be deemed to have met this community service requirement.

**The Board of Education's Seal of Biliteracy** shall be awarded to students who demonstrate proficiency in English and at least one other language and meet additional criteria established by the Board. The Seal certifies attainment of a high level of proficiency by a graduating high school student in one or more languages in addition to English, and certifies that the graduate meets of the following criteria:

1. The Board of Education’s Seal of Biliteracy will be awarded to students who earn either a Board of Education-approved diploma and (i) pass all required End-of-Course Assessments in English reading and writing at the proficient or higher level; and (ii) be proficient at the intermediate-mid level or higher in one or more languages other than English, as demonstrated through an assessment from a list to be approved by the Superintendent of Public Instruction. (Refer to VDOE for list of assessments)

2. For purposes of this article, "foreign language" means a language other than English, and includes American Sign Language.

**The Board of Education's Seal for Excellence in Science and the Environment** shall be awarded to students who earn either a Standard Diploma or Advanced Studies Diploma and: (i) complete at least three different first-level board-approved laboratory science courses and at least one rigorous advanced-level or postsecondary-level laboratory science course, each with a grade of "B" or higher; and (ii) complete laboratory or field-science research and present that research in a formal, juried setting; and (iii) complete at least 50 hours of voluntary participation in community service or extracurricular activities that involve the application of science such as environmental monitoring, protection, management, or restoration.

*PLEASE NOTE:* This seal was established by the Board in the revised Standards of Accreditation at [8VAC20-131-51](#) that became effective in the 2018-2019 school year. This seal is available to students who entered the ninth grade for the first time in the 2018-2019 school year and thereafter.

# GRADUATION REQUIREMENTS & DIPLOMA OPTIONS

## Class Rank Calculation Procedure & Honor Graduate Selection Information

The following guidelines have been developed for determining rank in class for high school students and for selecting honor graduates.

### Class Rank:

1. Class ranking shall be based upon the grades the student has earned in courses for which high school credit is awarded.
2. Final class rank is computed at the conclusion of senior exams.
3. In computing class rank of students, each final grade recorded for high school courses taken in the middle school, 9th grade, 10th grade, 11th grade, and 12th grade will be given the following value according to the chart below:

Grade	Regular Course	Honors Level Course	Dual Enrollment or Advanced Placement Courses
A	4	4.5	5
B	3	3.5	4
C	2	2.5	3
D	1	1.5	2
F	0	0	0
P	N/A	N/A	N/A

Depending on availability, any student who wishes to retake a course for a higher grade may do so. Priority is given to students who are taking the course for the first time and for students who need to take a course due to a failing grade. For all students, the grades for both enrollments are recorded on the student's transcript and are calculated into the GPA. For VHSL eligibility, credit is applied only during the first enrollment. Credit for high school courses taken in middle school will not change. (See Credit Declaration of High School Taken in Middle School on the next page).

4. Transfer students must enter the Accomack County high school during the first nine-weeks of the first semester of the senior year to be eligible for class

honors.

5. Class rank is to be determined by assigning the student with the highest grade point average the rank of number 1 in the class; the second highest, the rank of number 2, and so on. In cases where more than one student has the same GPA (**except in the top five positions**), all students with that average will be given the same rank. The next highest average will assume the next rank position, which will indicate the number of students having a higher rank. Example: If two students are tied for the 9th rank, both students would be listed as ranking 9th in the class. The next student would receive a rank of 11th in the class.

Student Number	8	3.4500	Rank 8
Student Number	9	3.4101	Rank 9
Student Number	10	3.4101	Rank 9
Student Number	11	3.3300	Rank 11

**\*Class rank is subject to change until after the last senior exam.**

6. When a tie occurs in the **top five positions** in the rank, it will be broken as follows:
  - Compute the GPA of the students involved using numerical semester grades.
  - Include all grades from all courses taken from the 9th grade to the 12th grade.
  - Include all grades from all courses taken from the 9th grade to the conclusion of senior exams.
  - Include middle school courses for which grades/credits were transferred to the high school.
  - If a tie exists after computing the student rank using numerical semester grades, each student involved will be awarded the same rank. Example: If a tie exists for the position after averaging semester grades numerically for valedictorian, two students would share the position of valedictorian; the next student in the rank would be declared the salutatorian.



### **High School Grading Scale**

A division-wide numerical scale is used and it is:

A	90- 100
B	80 - 89
C	70 - 79
D	60 - 69
F	50 - 59

**Dual enrollment courses with local colleges and Virtual Virginia courses use the grading scale of Accomack County Public Schools.**

### **Selection of Honor Graduates:**

1. Valedictorian- The Student with the highest class rank earning an Advanced Studies Diploma.
2. Salutatorian- The student with the second highest rank earning an Advanced Studies Diploma.
3. Honor Graduate- A student with a grade point average (GPA) of 3.5 or higher at the time class ranking is determined.

### **Promotion Requirements**

From 9<sup>th</sup> to 10<sup>th</sup> by accumulating a minimum of 6 credits.

From 10<sup>th</sup> to 11<sup>th</sup> by accumulating a minimum of 12 credits.

From 11<sup>th</sup> to 12<sup>th</sup> by accumulating a minimum of 16 credits.

\*A student must attend four years of high school to graduate.

### **Credit Declaration of High School Courses Taken in Middle School**

High school courses (Approved by VDOE) taken during middle school will appear on the child's high school transcript, count towards credits earned for high school graduation, and will be used in determining class rank and GPA. **A parent who does not want the grades to appear on the high school transcript may choose to have the grades omitted by completing and returning the Credit Declaration Form, which is sent home upon completion of the high school course. Forms will be due by no later than July 31, prior to beginning 9<sup>th</sup> grade, and no changes shall be made once the Credit Declaration Form is submitted or after August 1st.**

## GRADUATION REQUIREMENTS & DIPLOMA OPTIONS

### Guidelines for Transfer Students Entering the 9<sup>th</sup> Grade in 2018-2019 or thereafter

Students transferring to the Accomack County Public Schools from a school using the eight-period year will be held to the same graduation requirements as other Accomack County students. Those students transferring from a school using another type of schedule will be required to earn credits for graduation according to a schedule that does not penalize them for having fewer opportunities to earn credits. The schedules that follow will be used in determining the graduation requirements for transfer students. For the purpose of this section, the term "beginning" means with in the first 20 hours of instruction per course and the term "during" means after the first 20 hours of instruction per course.

#### **Standard Diploma Requirements for Transfer Students**

Students entering a Virginia high school for the first time at the beginning of or during the ninth grade prior to the 2018-2019 school year shall meet the graduation requirements prescribed in 8VAC20-131-50; Students entering a Virginia high school for the first time at the beginning of or during the ninth grade in the 2018-2019 school year or thereafter shall meet the graduation requirements prescribed in 8VAC20-131-51.

For transfer students entering during 10<sup>th</sup> grade in the 2019-2020 school year or thereafter or at the beginning of 11<sup>th</sup> grade in the 2020-2021 school year or thereafter

Standard Credits/Core Area Credits*	Verified Credits =5
22/13*	2 English 1 Mathematics 1 Laboratory Science 1 History/Social Science

For transfer students entering during 11<sup>th</sup> grade in the 2020-2021 school year or thereafter

Standard Credits/Core Area Credits*	Verified Credits =2
22/13*	1 English 1 Math

\*Minimum 4 credits in English, 3 credits in math, 3 credits in science, and 3 credits in history/social science.

\*For a student transferring during the 12<sup>th</sup> grade, every opportunity will be given to earn a diploma; if this is not possible, Accomack County Public Schools will seek to have the previous school award the diploma or request from VDOE a waiver of the verified credit requirements.

### **Advanced Studies Diploma Requirements for Transfer Students**

For transfer students entering during 10<sup>th</sup> grade in the 2019-2020 school year or thereafter or at the beginning of 11<sup>th</sup> grade in the 2020-2021 school year or thereafter

Standard Credits/Core Area Credits*	Verified Credits =5
22/16*	2 English 1 Mathematics 1 Laboratory Science 1 History/Social Science

For transfer students entering during 11<sup>th</sup> grade in the 2020-2021 school year or thereafter

Standard Credits/Core Area Credits*	Verified Credits =2
22/16*	1 English 1 Math

\*For a student transferring during the 12<sup>th</sup> grade, every opportunity will be given to earn a diploma; if this is not possible, Accomack County Public Schools will seek to have the previous school aware the diploma or request from VDOE a waiver of the verified credit requirements.

## STANDARDIZED TESTING

### Virginia Standards of Learning Assessments

Each school year the SOL assessments will be given in certain high school courses. Passing these courses along with the SOL assessments earns the student a verified credit. A verified unit of credit is based on a minimum of 140 clock hours of instruction, successful completion of the requirements of the course, and the achievement by the student of a passing score on the end-of-course SOL test for that course. The Virginia Board of Education has approved additional tests (substitute tests) which may be used for awarding verified credit.

In all high schools, testing takes place near the end of each semester as follows: first semester - mid January, and second semester -- late May - early June. The exception is the English Writing Test, which is taken during first semester in October, and second semester in March.

### HIGH SCHOOL TESTS

#### The following tests are administered in grades 7-12:

Grades 7-12	SOL Assessments
Grades 9-11	PSAT/NMSQT
Grade 11-12	PSAT/ASVAB
Grades 9-12	SAT I and/or ACT
Grades 10-12	SAT Subject Tests or SAT II
See Other Available Assessments for explanations	

#### The following end-of-course tests are available to be given at the high school level:

English: Reading/Literature and Research (Grade 11); Writing (Grade 11)

Mathematics: Algebra I, Geometry, Algebra II

History & Social Science: World History I, World History II, World Geography, Virginia and United States History (Grade 11)

Science: Earth Science, Biology, Chemistry

## Frequently Used Terms Related to SOL Testing

The **Standards of Learning** (SOL) assessments are designed to test the extent to which students have learned the content and skills specified in the Virginia SOL. The Virginia Standards of Learning represent rigorous content and provide students with a solid foundation upon which to build later learning.

The **standard unit of credit** for graduation shall be based on a minimum of 140 clock hours of instruction and successful completion of the requirements of the course.

The **verified unit of credit** for graduation shall be based on a minimum of 140 clock hours of instruction, successful completion of the requirements of the course, and the achievement by the student of a passing score on the end-of-course SOL test for that course. Verified credits must be earned to receive the appropriate high school diploma as outlined in the Graduation Requirements and Diploma Options.

### Retaking SOL Tests

**Expedited Retake of an End-of-Course SOL Test:** Students who meet certain conditions may participate in expedited retakes of certain end-of-course tests. To be eligible for an expedited retake, the student must:

- Need the test for verified credit, and
- Have passed the course associated with the test, and
- One of the following:
  - failed the test by a scale score of 375-399, or
  - had extenuating circumstances that would warrant retesting,
  - or did not sit for the regularly scheduled test for legitimate reasons.

Students who fulfill these conditions are not required to retest, but are given the option. Students who need a particular verified credit for graduation and who have passed the course are eligible for a retake.

**Remediation Recovery Student:** The Virginia Standards of Accreditation state that a student may be retested, after receiving remediation, during the next regularly scheduled test administration following the failed SOL test. Remediation programs can include the following: re-teaching/remediation before, during, and after school; summer sessions; and tutorial programs. **STUDENTS DO NOT HAVE TO ATTAIN ANY SET SCORE ON THE PREVIOUS SOL TEST TO QUALIFY FOR THE REMEDIATION RECOVERY PROGRAM AND TO BE RETESTED AS A REMEDIATION RECOVERY STUDENT. HOWEVER, A STUDENT MAY ONLY BE RETESTED ONCE UNDER REMEDIATION RECOVERY.**

Listed below are the groups of students who can be retested as remediation recovery students:

- Students in grade nine who did not pass the 8<sup>th</sup> grade English: Reading, Literature and Research SOL test and/or the Math SOL test as an eighth grade student.
- Students in high school who did not pass one or more end-of-course mathematics tests (Algebra I, Geometry, Algebra II) or end-of-course Reading.

## STANDARDIZED TESTING

**Regular Retake** of End-of-Course SOL Test: Students may retake an end-of-course test as many times as they need to in an attempt to earn a verified credit.

The scores of students who have passed a class and are retaking the end-of-course test for verified credit will be counted in the accreditation rating only if the student passes the test- the score will be removed from the accreditation rating if the student does not pass the SOL test. However, the student's score will be included in the school's pass rate reported by the testing agency. If the student passes, the score counts in the numerator and the denominator.

### Other Available Assessments

**Armed Services Vocational Aptitude Battery (ASVAB)** is a test developed by the military to measure aptitude and recommend potential career paths. The test is administered by military recruiters, is free of charge, and has no military obligations. The test scores can be used for entrance into military service as well as other career and educational planning.

For more information go to [www.asvabprogram.com](http://www.asvabprogram.com)

**PSAT/NMSQT** is a test that measures a student's verbal and mathematical reasoning skills, provides entry into competitions for important national scholarships and recognition programs, and is the National Merit Scholarship Qualifying Test. The test is also a convenient way for students to start their college research since names of those taking the test are given out to colleges. These tests are administered in October to all juniors free of charge, for more information go to [www.collegeboard.com](http://www.collegeboard.com). Any 9th or 10th grader wishing to take the test can pay the fee. See your school counselor to sign up.

**SAT I** is a standard test required by most colleges for admittance. The test has three sections Writing (optional), Critical Reading, and Math - and a time limit of three hours and thirty-five minutes. The optional Writing section consists of a short persuasive essay and multiple choice sections. The Critical Reading section includes sentence completion and critical reading with long and short reading passages. The Math section focuses on numbers and operations, Algebra

and functions, geometry and statistics, probability, and data analysis. Tests are offered multiple times during the academic year. For more information go to [www.collegeboard.com](http://www.collegeboard.com)

**SAT** Subject Tests are one-hour, mostly multiple-choice tests that measure how much students know about a particular academic subject and how well they can apply that knowledge. There are 20 Subject Tests, and many colleges require or recommend one or more of the Subject Tests for admission or placement. It is best to check directly with the college(s) you are interested in. Tests are offered late in the fall and all of the spring semesters. For more information, go to [www.collegeboard.com](http://www.collegeboard.com)

**ACT** is also an admissions test for entrance to college; however, most Virginia colleges require the SAT instead of the ACT. The ACT is an achievement test whereas the SAT I is an aptitude test. A student may take both if they like. Score reports for the ACT are presented in percentile ranks, and the score ranges between 1 and 36 with 18 and 19 as average scores. The ACT also offers a high school report that provides information to the student about career and educational options. Tests are offered multiple times during the academic year. For more information go to [www.act.org](http://www.act.org).

## **POLICIES**

### **Senior Options**

There are no provisions for early graduation available to Accomack County Public Schools Students. However, seniors may take a shortened school day if the following criteria are met:

- Seniors must have met the graduation requirements for the diploma they intend to pursue (standard and verified credits).
- Seniors will have to apply for the shortened school day schedule by completing the Shortened School Day for Seniors Form which is available in the school counseling office. The completed form should be returned to the School Counselor. The School Counselor must submit this form within three (3) days to the Director of Secondary Schools, who will determine if early out is approved and notify principal within three (3) days.
- The completed shortened school day form must be submitted to the Director of Secondary Schools two (2) weeks prior to the beginning of the semester in which the senior is requesting a shortened day.
- Seniors must take a minimum of two credits per semester.
- Senior athletes must be aware that a minimum of three (3) out of four (4) block courses must be taken each semester for student participation in Virginia High School League (VHSL) athletic and non-athletic activities. Seniors for whom these guidelines are applicable should not apply for the shortened day waiver unless this guideline is met.

### **Local School Board Requirements for Notification of Parents**

Each local school board shall provide notification of the right to a free public education for students who have not reached 20 years of age on or before August 1 of the school year, pursuant to Chapter 1 (§ 22.1-1 et seq.) of this title, to the parent of students who fail to graduate or who have failed to achieve the number of verified units of credit required for graduation as provided in the standards of accreditation. If such student who does not graduate or achieve such verified units of credit is a student for whom English is a second language, the local school board shall notify the parent of the student's opportunity for free public education through the age of 21 in accordance with subsection D of § 22.1-5.



## Exam Exemption Policy

Students can be exempt from exams if:

1. Seniors that have an “A” average for the course prior to day of assessment.
2. **Middle School Only:** Students who have passed both the class and corresponding Standard of Learning Test.
3. **High School Only:** Students who have passed both the class and corresponding End-of-Course (EOC) Standard of Learning (SOL) Test in Algebra I, Biology, and English 11 Reading & Writing.
4. Students successfully completing a CTE program and have passed a state board approved certification or licensure test.
5. With the parent/guardians approval a student who maintains a “B” average or above and who misses no more than two (2) days during a semester or a student who maintains a “B” average or better and misses no more than four (4) days during a full year course may be exempted from semester or final exams. Any student who wishes to take his/her exam at the end of the semester in a class that he/she is currently attending and enrolled in shall be permitted to do so. The above incentive does not apply to students enrolled in Dual Enrollment classes/college courses. Policy Number IKC-R. Parents/Guardians must opt out of the exemption in writing if they want the student to take the exam.

Students who are eligible for an exemption (options 2, 3 or 4) may take the final exam in order to improve their final grade.

For a student choosing the exemption option, the final grade is an average of the two nine-week grades.

- For a student to be exempt from an English 11 exam, he/she needs to pass both the English Writing SOL test and the English Reading, Literature and Research SOL test.
- Any student who wishes to take an exam at the end of the semester in a class that he/she is currently attending and enrolled in shall be permitted to do so.
- Students enrolled in dual enrollment classes are not exempt from the final exam.
- Juniors enrolled in a senior class, such as government, are not exempt from the final exam.

Nothing in this policy shall be construed to exempt any student from the SOL testing requirements set forth in the State Board of Education's Standards of Accreditation and Every Student Succeeds Act (ESSA), or to alter the requirements for earning a diploma.

## **Parental Notification Regarding Graduation**

The General Assembly requires local school divisions to make the following graduation information available to the parents of all students enrolled in high school. The information listed below pertains to parental notification of the number of verified credits needed for graduation and a student's right to a free public education.

There are four specific areas in which parental notification is required:

- The parents of rising eleventh and twelfth grade students shall be notified of the number of standard and verified units of credit required for graduation and the remaining number of credits the individual student requires for graduation.
- The parent of students with disabilities who have an individualized education program (IEP) and who fail to meet the requirements for graduation shall be notified of the student's right to a free and appropriate education to age 21.
- The parent of students who have not reached 20 years of age on or before August 1 of the school year and who fail to graduate or who have failed to achieve the number of verified units of credit required for graduation shall be notified of the student's right to a free public education.
- The parents of students for whom English is a second language and who fail to graduate or have failed to achieve the number of verified units of credit for graduation shall be notified of the student's opportunity for a free public education through the age of 21.

## **ATHLETICS AND ACTIVITIES**

### **GPA Requirements for Sports & Activity Participation**

The minimum GPA requirement sends a positive message to students that reinforce the higher academic standards in Virginia schools as evidenced by the current SOL requirements. It reminds students that they are students first and athletes/club members second.

A minimum **2.0 GPA** is required for sports and activity participation. The 2.0 GPA that is required for sports and activity participation is based upon the previous semester GPA, not overall GPA.

- At the time of interim reports, if a student has fallen below the designated GPA requirement, the student will be required to attend tutoring sessions. After-school tutoring is provided for all core area subjects (English, math, science, and social studies). To receive tutoring in non-core area subjects, the student must make arrangements with the individual teachers.

- Students **may** be granted a one-time, one-semester **probationary period waiver** from the requirement on the basis of the following:
  - (a) approval by a committee consisting of the student's coach, principal, school counselor, a member of the central office staff;
  - (b) required tutoring of a nature and frequency as determined by the committee;
  - (c) completion of an overall improvement plan devised by the committee.
- A committee consisting of the student's coach, school counselor, principal, and a member of the central office staff shall be the appeals committee for consideration of extenuating circumstances in meeting the GPA requirement.
- In addition to the division's GPA requirements, students must satisfy the requirements set forth by the Virginia High School League (VHSL) to be eligible to participate in VHSL activities. Students must pass a minimum of 3 credits per semester in order to be eligible. For additional requirements, contact your building principal.

**Senior athletes must be aware that a minimum of three (3) out of four (4) block courses must be taken for student participation in Virginia High School League (VHSL) athletic and non-athletic activities.**

### **Important Planning Information for Student Athletes Who Plan to Attend College**

A student athlete who wishes to play sports at the college level must plan carefully, beginning at the ninth grade level, to ensure that he/she has met the high school requirements for eligibility to play sports in college. Information pertaining to NCAA Division I freshman eligibility standards and NCAA Division II freshman eligibility standards can be obtained by phoning 800-638-3731 or 317-917-6222 or visiting the website at [www.ncaa.org](http://www.ncaa.org). Information pertaining to NAA (National Association of Intercollegiate Athletics) eligibility regulations can be obtained by phoning 913-791- 0044 or by visiting the website at [www.naia.org](http://www.naia.org).

## **COURSE INFORMATION AND PROGRAMS**

### **CAREER PLANNING**

#### **Preparation for College**

Colleges have different entrance requirements. Before selecting high school courses, check the requirements of several colleges that interest you. If you are undecided about a college, use the following guidelines in making your high school course selections.

1. Take as many math and science courses as you can. Most four-year colleges require at least Algebra I, Geometry, and Algebra II and at least two years of science for entrance.
2. Take at least two years of foreign language. Many colleges do not list a foreign language requirement but indicate that at least two years are highly desirable.
3. Colleges prefer that students take challenging courses and pursue a full academic program for four years. Your courses should be a reflection of your career goal.
4. Take the PSAT in the 10<sup>th</sup> and/or 11<sup>th</sup> grade and the SAT in the 11<sup>th</sup> and 12<sup>th</sup> grade.
5. Talk with your school counselor.

#### **Preparation for Employment**

Some Career and Technical Education (CTE) programs allow students to work and receive credit toward high school. Emphasis is on providing students the academic and technical skills necessary to enter directly into the workforce and to further their education beyond high school.

Use the following general guidelines in choosing courses to prepare for employment or for post-secondary education.

1. Take CTE courses in the ninth and tenth grades to find out which program is most interesting to you.
2. Choose a CTE area that interests you and ask your teacher or counselor the order in which you should take courses to gain the necessary skills to work in that occupational area. In most cases, you will need to be enrolled in courses for at least two years to complete the program.

In addition to the courses necessary to gain an occupational skill, you should include other courses which may be related to your chosen occupation.

## General Information on Course Selection

1. Every student will have an Academic and Career Plan. Students are encouraged to review and update their plan before making any course selections for the following year.
2. Students should review carefully the course descriptions included in this guide and share the information with their parents. If students have any questions regarding the courses or course selections, they should contact their school counselor.
3. Students and their parents may wish to schedule an appointment with a school counselor to discuss college requirements. Colleges often expect college-bound students to take advantage of advanced placement or dual enrollment courses that are offered at the high school level. School counselors can assist parents and students in making informed choices.
4. All students must carry a full schedule of classes except seniors granted the waiver for a shortened day.
5. **Students will not be permitted to drop or add a class after the fifth (5<sup>th</sup>) day of the semester.**
6. A student may drop a year-long AP or a two semester Dual Enrollment course at the end of the first semester with a one hundred dollars (\$100.00) penalty. Students will also be prohibited from enrolling in another Advance Placement and Dual Enrollment course until the penalty fee is paid. No grade or course will appear on the student's transcript. The request to drop the class must come from the parent or guardian and must be in writing. The student will receive a withdrawal notice in the comment section of his/her transcripts. Advanced Placement or Dual Enrollment will follow Accomack County Public Schools policy of a five (5) day add/withdraw at the beginning of each semester. ACPS add/withdraw policy supersedes Virtual Virginia and ESCC policy. **Students will also be prohibited from enrolling in another Advance Placement or Dual Enrollment course for the remainder of the school year.**

**NOTE: The decision to permit a student to change from one course section to another section of the same course rests with the principal or designee.**

7. In accordance with the Eastern Shore Community College, if a student receives a letter grade of "D" or "F", they will be automatically withdrawn from taking the second semester sequenced course. If a student has to be withdrawn due to grades, he/she is responsible for paying the One Hundred Dollar (\$100.00) withdraw penalty fee, and the course grade is recorded on the high school transcript. The student will not be permitted to enroll in a different dual enrollment course for the second semester.
8. Courses may be taken in another completer program as an elective if space is available.
9. For students interested in summer school, applications are available in your school in late May/early June. Summer school is offered at the discretion of the School Board. The specific courses offered depend upon enrollment. If enrollment is insufficient, the course will not be offered. Strict attendance guidelines are in effect.

## **Course Appeal Procedure**

Students who wish to appeal any course requirement/prerequisite should complete a Course Appeal form and return the completed form to the school counselor. This form is available in the counseling office. The school counselor must submit this form within three (3) days to the Director of Secondary Schools who will arrange for the Course Appeal Committee to meet.

The Course Appeal Committee consists of the School Principal or Assistant Principal, School Counselor, and Director of Secondary Schools. The decision on the appeal will be made within ten (10) days of the Director of Secondary School's receipt of the appeal. If approved, this information is forwarded to the school counselor for scheduling purposes.

## **Distance Learning, Internet, Correspondence & Independent Study Courses**

At the present time, Accomack County Public Schools does not accept Internet, Correspondence and Independent Study Courses (unless county initiated) towards graduation requirements.

### **Dual Enrollment Courses**

Dual Enrollment courses provide an opportunity for serious high school students to earn both high school and college credits. The Accomack County Public School System offers college courses through a partnership with the Eastern Shore Community College (ESCC). Since dual enrollment courses are a partnership between a sponsoring college and Accomack County Public Schools, no assurance is given that each class will be offered each year. Students who take dual enrollment classes from the approved Accomack County list receive credit at their high school and from the sponsoring college. The dual enrollment courses taken from the approved list are weighted courses that are calculated as part of the GPA.

If an approved course is offered in an Accomack County Public School, students must take the course at the high school site to receive dual credit. If an approved course is not offered and will not be offered prior to graduation, students may petition for a waiver to take the course on a college campus and, if approved, will receive dual credit. Students who take additional courses at the college will receive college credit but not high school credit. These courses are not included on the high school transcript and thus are not averaged in the GPA.

### **Approved Accomack County List**

These courses include:

- College Composition I & II (English 111 & 112)
- U.S. History I & II (History 121 & 122)
- Pre-Calculus I & II (Math 161 & 162)
- Calculus I & II (Math 263 & 264)
- General Biology I & II (Biology 101 & 102)
- General Chemistry I & II (Chemistry 111 & 112)
- General Environmental Science I & II (ENV 121 & ENV 122)
- Office Accounting (ACC 105)
- Computer Aided Drafting & Design (CAP 201)
- Nurse Aide II (HCT 101, HCT 190, HLT 145)
- Computer Troubleshooting & Repair (ETR 228)
- Welding (WEL 123)
- HVAC & R (AIR 121, 276, ELE 156)
- Automotive (AUT 101, 149, 151, 153, & 197)
- Emergency Medical Service (100, 111, 112, 113, & 120)

It should be noted that all dual enrollment courses listed may not be offered at every county high school or every year. There is a minimum enrollment requirement for a course to be offered. Upon successful completion of a dual enrollment course, students will earn high school and college credit. **Students are responsible for contacting the ESCC to have their transcript of dual enrollment courses sent to colleges.** The awarding of college credit is determined by the college the student attends. Criteria are established by each college for the acceptance of dual enrollment courses and the awarding of credit.

Tuition and Fees are paid by the Accomack County School System. However, if a student withdraws from a class after the College final add/drop day then the student or their parents would be responsible for any applicable tuition or fees. **Students will also be prohibited from enrolling in another Advance Placement or Dual Enrollment course for remainder of the school year.**

In order to participate in the Dual Enrollment program, high school students must have permission of their parent or guardian to participate, be recommended by their high school principal to cross register, and meet all prerequisites.

## **COURSE INFORMATION AND PROGRAMS**

Students must meet all admission and course placement requirements of the Eastern Shore Community college. Including admission to the college, transcripts, and satisfactory scores on the college's placement test.

College and high school credit shall be awarded to the participating high school student upon successful completion of the course. Students who withdraw from the college course after the high school drop/add day will receive a failing grade for the course. This will be part of their final transcript and be computed in the final GPA and class ranking.

For more information about dual enrollment courses, contact any high school counselor or contact the Enrollment Counselor at Eastern Shore Community College (789-1730).

The Accomack County Public School System has an agreement with the Advanced Technology Institute (ATI) for students to receive dual enrollment if they complete the Automotive Service Technology program and continue their education at ATI.



## **STUDENT ELIGIBILITY FOR DUAL ENROLLMENT OR AP VIRTUAL VIRGINIA COURSES**

**To be eligible to enroll in an Academic Dual Enrollment course, a student must**

- Be a junior or a senior
- Have a cumulative **GPA of 3.0** (Recommended 3.5)
- Complete an application to Eastern Shore Community College
- Take and pass ESCC's college entrance/placement test. The exam must be taken before the class begins. A student may retake the placement test only once.

**To be eligible to enroll in a Career & Technical Dual Enrollment course, a student must**

- Be a junior or a senior who is at least 16 years of age
- Have a cumulative **GPA of 2.0**
- Complete an application to Eastern Shore Community College
- Take and pass ESCC's college entrance/placement test. The exam must be taken before the class begins. A student may retake the placement test only once.

**To be eligible to enroll in an Advanced Placement course (Classroom or Virtual Virginia), a student must**

- Be a sophomore, junior, or senior
- Have a cumulative **GPA of 3.0** (Recommended 3.5)
- Complete an Early College Scholar Agreement Form (See Appendix)
- Student names will be submitted in order of highest grade level first (12<sup>th</sup>, 11<sup>th</sup>, and then 10<sup>th</sup> grade). All Virtual Virginia enrollments will be a first come basis, determined by Virtual Virginia.

## **VIRGINIA DEPARTMENT OF EDUCATION'S VIRTUAL ADVANCED PLACEMENT SCHOOL**

### **Advanced Placement Courses**

The Advanced Placement (AP) Program is a cooperative educational endeavor between secondary schools and colleges and universities. The Program provides motivated high school students with the opportunity to take college-level courses in a high school setting. Students who participate in the AP Program not only gain college-level skills, but in many cases they also earn college credit while they are still in high school.

AP courses are taught by highly qualified high school teachers who use the **AP Course Descriptions** to guide them. The course description for each discipline outlines the course content, describes the curricular goals of the subject, and provides sample examination questions.

Students enrolled in AP English, AP Biology, AP Chemistry, and/or AP Calculus will be awarded one high school (1) credit upon successful completion of the class at the end of the year. Students enrolled in an AP course will earn the same 'weighted grade' as those students that are enrolled in a dual enrollment class. It is mandatory for students to take the AP exam for each AP course taken. College credit may be granted, subject to the requirements of the college or university.

A student may drop a year-long AP or Dual Enrollment class at the end of the first semester with a One Hundred Dollar (\$100.00) penalty. Students will also be prohibited from enrolling in another Advance Placement and Dual Enrollment course until the penalty fee is paid. No grade or course will appear on the student's transcript. The request to drop the class must come from the parent or guardian and must be in writing. The student will receive a withdrawal notice in the comment section of his/her transcripts.

The Virginia Department of Education sponsors the Virtual Virginia Advanced Placement School each academic year. Online courses will be offered on full-year and 4X4 semester block schedules. Advanced Placement (AP) offerings include physics, economics, government, psychology, statistics and Spanish. Also, non-AP classes are also available in the core academic areas as well as world languages.

Students in the Early College Scholars program may take academic courses that fully transfer as core requirements and degree credits at Virginia colleges and universities participating in the Commonwealth College Course Collaborative (CCCC). Additional information about the CCCC can be found at [www.virginiamentor.org/planning/cccc.asp](http://www.virginiamentor.org/planning/cccc.asp). Also, the school counselor is available to review the program with students and parents. The courses are tuition-free.

You will find additional information about the Virtual Virginia Advanced Placement School from your school counselor and at [www.doe.virginia.gov/VDOE/Technology/VAPS.html](http://www.doe.virginia.gov/VDOE/Technology/VAPS.html).

\*These classes will vary pending course offering at individual schools.

## EARLY COLLEGE SCHOLARS

The Early College Scholars program allows eligible high school students to earn at least 15 hours of transferable college credit while completing the requirements for an Advanced Studies Diploma. The result is a more productive senior year and a substantial reduction in college tuition. Students earning a college degree in seven semesters instead of eight can save an average of \$5,000 in expenses.

To qualify for the Early College Scholars program, a student must: (See Appendix)

- Have a "B" average or better;
- Be pursuing an Advanced Studies Diploma; and
- Take and complete college-level course work (i.e., Advanced Placement, International Baccalaureate, Cambridge, or dual enrollment) that will earn at least 15 transferable college credits.

Students eligible to be Early College Scholars, their parents or guardians, and the high school counselor must sign an agreement any time between their ninth-grade year and their twelfth-grade year. Upon completion of these credits and verification by the high school principal of these credits, the Early College Scholar will receive not only college credit but also a Governor's certificate of recognition at graduation.

AP courses and dual enrollment courses are offered at ACPS in a variety of areas. However, if the Early College Scholar finds that a conflict in schedule may prevent him or her from finishing the required fifteen hours, Virtual Advanced Placement School (VAPS) courses are available to assist in alleviating scheduling problems. VAPS offers accredited on-line courses approved by the Virginia Department of Education.

**While the school division supports both the Early College Scholars and the Associate Degree Programs, students must bear the costs of tuition above and beyond the credits paid for by ACPS as stated in the Policy Manual.**

## EXTRACURRICULAR ACTIVITIES

Accomack County Public Schools offers a wide range of extracurricular activities, clubs, and athletic programs. Students are encouraged to participate in these activities to enhance their high school experience.

Accomack County Public Schools is a member of the Virginia High School League (VHSL) and, therefore, adheres to the VHSL eligibility requirements for athletics and extracurricular participation.

According to VHSL policy, to be able to participate in athletics and other extracurricular activities, a student:

- Must be a regular bona fide student in good standing of the school represented
- Must be enrolled in the last four years of high school (eighth-grade students may be

eligible for junior varsity)

- Must have enrolled not later than the fifteenth day of the current semester
- For the first semester of a 4x4 schedule, a student must be enrolled in no fewer than three subjects, or their equivalent, offered for credit and which may be used for graduation and have passed three subjects, or their equivalent, offered for credit and which may be used for graduation the immediately preceding year. The final end of course grade is the grade used to determine eligibility. May not repeat courses for eligibility purposes for which credit has been previously awarded.
- For the second semester of a 4 x 4 schedule, a student must be enrolled in no fewer than three subjects, or their equivalent, offered for credit and which may be used for graduation and have passed three subjects, or their equivalent, offered for credit and which may be used for graduation the immediately preceding semester. The final end of course grade is the grade used to determine eligibility.
- Must sit out all VHSL competition for 365 consecutive calendar days following a school transfer unless the transfer corresponded with a family move.
- Must not have reached the nineteenth birthday on or before the first day of August of the current school year.
- Must not, after entering the ninth grade for the first time, have been enrolled in or been eligible for enrollment in high school more than eight consecutive semesters.
- Must have submitted to the principal before any kind of participation, including tryouts or practice as a member of any school athletic or cheerleading team, Proof of Insurance, an Athletic Participation/Parental Consent/Physical Examination Form, Concussion Form completely filled in and properly signed attesting that the student has been examined during the current school year and found to be physically fit for athletic competition and that the student's parents' consent to his/her participation.
- Must not be in violation of VHSL Amateur, Awards, All Star, or College Team Rules. (Check with the school principal for clarification in regard to cheerleading.)

Eligibility to participate in interscholastic athletics is a privilege a student earns by meeting not only the above-listed minimum standards but also all other standards set by the League, district, and school. If a student has any question regarding his/her eligibility or is in doubt about the effect an activity might have on eligibility, he/she should check with the principal for interpretations and exceptions provided under League rules. Meeting the intent and spirit of League standards will prevent the individual, the team, the school, and the community from being penalized. Additionally, a parent must give consent and approval for his/her child's picture and name to be printed in any high school or VHSL athletic program, publication, or video.

### **NCAA CLEARING HOUSE FOR COLLEGE BOUND ATHLETES**

Students who plan to participate as college freshmen in Division I or II athletic programs must register and be certified by the NCAA (National Collegiate Athletic Association) Initial-Eligibility Clearinghouse. After receiving the NCAA student-release form and a booklet entitled "NCAA Guide for the College Bound Athlete" from the guidance office, students should follow the directions to complete the necessary paperwork (including payment of a fee to NCAA). **It is the responsibility of the student and his/her parent(s)/guardian(s) to follow the NCAA Clearing**

**House directions and complete the necessary paperwork no later than the last day of September of the student's senior year.**

NCAA eligibility requirements may change annually; therefore, it is imperative that future college athletes read current NCAA materials. Students should review core course requirements, SAT requirements, recruiting rules, and amateur status. **There are specific GPA/SAT requirements for scholarships.**

**For the most up-to-date information and to register on-line, use the website [www.ncaa.org](http://www.ncaa.org) and/or [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net).**

### **ACCOMACK COUNTY PUBLIC SCHOOLS GRADING SCALE**

The grading period at Accomack County Public Schools shall be nine weeks with two grading periods per semester in the school year. Interim reports will be given to each child at the mid-point (four and one-half weeks) of each grading period. Report cards are sent home to parents at the end of each grading period.

#### **4.0 GRADING SCALE FOR REGULAR CLASSES**

A	90-100	4.00	Superior Progress
B	80-89	3.00	Very Good Progress
C	70-79	2.00	Average Progress
D	60-69	1.00	Poor Progress-Passing
F	59 & below	0.00	Failing

#### **4.5 HONORS LEVEL COURSE GRADING SCALE**

A	90-100	4.5	Superior Progress
B	80-89	3.5	Very Good Progress
C	70-79	2.5	Average Progress
D	60-69	1.5	Poor Progress-Passing
F	59 & below	0.0	Failing

#### **5.0 ADVANCED PLACEMENT/ACADEMIC DUAL ENROLLMENT GRADING SCALE**

(For any Academic DE or AP course offered at ACPS/ESCC or AP course offered through Virtual Virginia)

A	90-100	5.0	Superior Progress
B	80-89	4.0	Very Good Progress
C	70-79	3.0	Average Progress
D	60-69	2.0	Poor Progress-Passing
F	59 and below	0.0	Failing

## Accomack County Public Schools PROMOTION AND RETENTION POLICY

The following criteria will be used in determining the promotion of all students in grades 9-12 who are pursuing a standard or advanced studies diploma: **In addition, the following credit requirements will be effective for all students beginning with the freshman class of 2010-2011.**

1. A student will be in danger of failing any course if absences total more than five (5) days in that course in a semester. Please refer to policy JED-R.
2. Students will select a diploma program and pass appropriate courses to prepare them for high school graduation.
  - **Promotion from grade 9 to grade 10 requires satisfactory completion of 6 standard units of credit.**
  - **Promotion from grade 10 to grade 11 requires completion of 12 standard units of credit.**
  - **Promotion from grade 11 to grade 12 requires satisfactory completion of 16 standard units of credit that must include English 9 and English 10,**  
**OR**
  - **Promotion from grade 11 to grade 12 requires that students be enrolled in classes that will lead to the student's graduation by August of the school year in which the classification was made.**

Starting 2018-2019 students entering the ninth grade must earn at least 22 standard units of credit by passing required courses and electives, and earn at least five verified credits by passing end-of-course SOL tests or other assessments approved by the Board of Education.

Beginning with students entering ninth grade for the first time in 2018-2019 and beyond, a student must also:

- Earn a board-approved career and technical education credential to graduate with a Standard Diploma; and successfully complete one virtual course, which may be non-credit bearing.
- To graduate with an **Advanced Studies Diploma**, a student must earn at least 26 standard units of credit, and at least five verified units of credit:

3. Students must meet all state requirements related to standard units of credit and verified credits to progress towards one of three high school diplomas offered in Virginia: The Standard Diploma, the Advanced Studies Diploma, or the Applied Studies Curriculum Diploma.

## Standard Diploma: Sample Program of Study

Students will need a minimum of 13 academic credits from the areas of English, math, science, and social studies and a total of 22 credits to graduate. No more than 4 credits from a single subject can count toward meeting the 13 credit requirement. At least two successfully completed sequential elective courses must be taken for graduation as required- by the Standards of Quality. A student will earn one credit for each semester course successfully passed. A Standard Diploma also requires a student to earn six verified credits to graduate. A successfully completed SOL class plus a successfully passed SOL exam equals a verified credit.

<b>Subject</b>	<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>
<b>English</b>	English 9	English 10	English 11	English 12
<b>Math</b>	Algebra I or Algebra I Part I & Part II	Math Choice	Math Choice	Elective
<b>Science</b>	Earth Science or Environmental Science	Biology I	Science Choice	Elective
<b>Social Science</b>	World Geography, World History I, or World History II	World Geography, World History I, or World History II	VA/US History	VA/US Government
<b>Economics and Personal Finance</b>			Economics and Personal Finance	
<b>Health/Phys. Ed</b>	HPE 9	HPE 10		
<b>Elective Course</b>	CTE Course	CTE Course	Elective (Recommend CTE, AP or DE)	Internship
<b>Elective Course</b>	Fine Art	Elective	Elective (Recommend CTE, AP or DE)	Elective (Recommend CTE, AP or DE)

A student who has followed this plan of study would earn a standard diploma with a Career & Technical Education Seal and a College Prep seal.

## Academic Course Credit Options

A high school counselor will help the student select the best combination of course courses to meet the Standard Diploma requirements of 13 academic credits.

English	Math	Science	Social Sciences	Core Credits
4	3	3	3	13

<sup>1</sup>Must complete Algebra I, Pt. II or Algebra I, Geometry Pt. II or Geometry and one additional math course.

\*Students entering 9<sup>th</sup> grade starting 2018-2019 and beyond.

### Verified Credits

English	Math	Science	Social Sciences	Student Selected	Total
2	1	1	1		5



## Advanced Studies Diploma: Sample Program of Study

Students will need a minimum of 16 academic credits from the areas of English, math, science, and social studies and a minimum total of 26 credits to graduate. No more than 4 credits from a single subject can count toward meeting the 16 credit requirement. At least two successfully completed sequential elective courses must be taken for graduation as required by the Standards of Quality. A student will earn one credit for each semester course successfully passed. An Advanced Studies Diploma also requires a student to earn 9 verified credits to graduate. A successfully completed SOL class plus a successfully passed SOL exam equals a verified credit.

<b>Subject</b>	<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>
<b>English</b>	English 9	English 10	English 11	English 12 or College English I & II
<b>Math</b>	Algebra I	Geometry	Algebra II	Trigonometry
<b>Science</b>	Earth Science or Environmental Science	Biology I	Chemistry	AP or College Science
<b>Social Science</b>	World Geography or World History I	World History I or World History II	VA/US History	VA/US Government
<b>Economics and Personal Finance</b>			Economics and Personal Finance	
<b>Health/Phys. Ed</b>	HPE 9	HPE 10		
<b>Foreign Language</b>	Spanish I or French I	Spanish II or French II	Spanish III or French III	Spanish IV or French IV
<b>Elective Course</b>	Digital Applications	Architectural Drawing	CIS	Art I
<b>Elective Course</b>	Technical Drawing	Office Administration	College History	Calculus

\*Another option for the foreign language requirements is to take two semesters of each language.

A student with the career goal of becoming an engineer and following this plan of study would receive the Advanced Studies Diploma with a Career & Technical Education Seal for the Computer Aided Drafting Design program and the Business and Information Technology program.

\*Students entering 9<sup>th</sup> grade starting 2018-2019 and beyond.

**Verified Credits**

<b>English</b>	<b>Math</b>	<b>Science</b>	<b>Social Sciences</b>	<b>Student Selected</b>	<b>Total</b>
2	1	1	1		5

## Academic Course Description

All courses listed in this publication are not offered in every high school or every school year. Also, due to enrollment numbers or staffing levels a course may be discontinued prior to the beginning of a semester or school year. Dual enrollment, Virtual Virginia and AP courses are subject to the decision of the offering institution to offer and/or fund the course(s) or program. It is mandatory for a student enrolled in an Advanced Placement (AP) course to take the AP exam.

### COURSE OFFERINGS FOR THE SCHOOL YEAR

<b>ENGLISH</b>
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#### **FOUNDATIONS OF ENGLISH**

Semesters: 1

Grade: 9-12

Prerequisites: None

Credits: 1 (Elective)

Course Code: 1515E

This is a remedial course that focuses on reading and writing skills with specific emphasis on the SOL objectives. The reading component enables students to describe themes or inferred main ideas and to interpret cause-effect relationships as well as draw conclusions for a wide variety of literary selections. The writing component promotes guided practice in focusing, structuring, and elaborating on a given or chosen topic while maintaining reasonable control over composition, sentence formation, usage, and mechanics. This course will count as an elective credit, not an English credit.

#### **FOUNDATIONS OF WRITING**

Semesters: 1

Grade: 9 -12

Prerequisites: None

Credits: 1 (Elective)

Course Code: 1515W

This class is intended for students who need to improve writing skills. It focuses on the writing process, with special emphasis given to usage, mechanics, the paragraph, the essay, and editing skills. This course will count as an elective credit, not a Writing credit.

**ENGLISH 9**

Semesters: 1

Grade: 9

Prerequisite: None

Credits: 1

Course Code: 1130

English 9 students will apply knowledge of literary terms and forms to their reading and writing and to analyses of literature and other printed materials. They will be introduced to literary works from a variety of cultures and eras. They will continue to develop their reading comprehension skills through utilizing strategies to identify formats, text structures, and main ideas. Students will write in narrative, expository, and persuasive forms. They will utilize a process for writing as they plan, compose, revise, and edit writing in a variety of forms and for a variety of purposes and audiences. They will develop skills in using print, electronic databases, and online resources to access information. They will use a standard style method to credit sources of ideas in research writing. Students will develop interpersonal communication skills as well as those skills required for more formal public speaking.

**ENGLISH 9 HONORS**

Semesters: 1

Grade: 9

Prerequisite: Final Grade of an “A” in English 8 and a 475 or above on the Reading and Writing English 8 SOL

Credits: 1

Course Code: 1132

Honors English 9 provides accelerated and motivated English students with in-depth and enriched experiences in the genre approach to literature. Students will read selections of personal choice and class sets that offer them challenges in thinking and opportunities for complex analysis in composition. The course’s aim is to encourage students’ consideration of the complex and abstract in both student and professional writing. Assignments in public speaking and oral interpretation are designed to encourage students’ confidence before an audience. Honors English 9 encompasses further development of skills in vocabulary and research. This level will expose students to the study of complex grammatical elements and usage as they develop a personal style.

**ENGLISH 10**

Semesters: 1

Grade: 10

Prerequisite: English 9 or English 9 - Honors

Credits: 1

Course Code: 1140

English 10 students will read, comprehend, critique, and analyze a variety of literary works from various genres and cultures. They will compare and contrast forms of literature from different cultures, analyze literary elements of prose and poetry, identify recurring cultural themes, and describe common cultural archetypes. They will interpret a variety of informational materials,

such as labels, manuals, and warranties. They will apply critical reading skills across content areas. Students will demonstrate understanding of the domains of writing as they apply a writing process to plan, compose, revise, and edit a variety of types of writing with an emphasis on exposition and analysis. Students will develop skills in accessing, evaluating, organizing, presenting, and documenting information in the research process. Students will become skilled communicators in small-group learning activities, assuming and evaluating roles in presenting oral reports.

### **ENGLISH 10 HONORS**

Semesters: 1

Grade: 10

Prerequisite: English 9 with an A completion or English 9 - Honors

Credits: 1

Course Code: 1142

This course is designed for students with advanced English skills. Students in this class will meet all objectives for English 10, but instruction will be accelerated for learners whose intellectual maturity permits challenging, in-depth reading from all genres of world literature. Students will be expected to produce frequent formal writings that will be evaluated for evidence of close analysis, elaboration of details, and fluid articulation of ideas. Vocabulary and word study, small group problem-solving activities, technical reading and writing, and the research process using available technology will complement the course study.

### **ENGLISH 11**

Semesters: 1

Grade: 11

Prerequisite: English 10 or English 10 Honors

Credits: 1

Course Code: 1150

English 11 students will study American literature, both classic and contemporary. They will read a variety of literary genres and informational texts to identify the prevalent themes in American literature that are reflective of American literature and culture. Students will identify the contributions of other cultures to the development of American literature. They will write in a variety of forms with an emphasis on persuasive essays and professional correspondence. They will use their knowledge of genres, formats, purposes, audience, and situations to produce clear and effective products that reflect the use of all stages of the writing process. They will engage in research that requires the selection, evaluation, use, and documentation of a variety of sources. They will present a research product that is clearly written and accurately documented. Students will use a variety of oral communication skills and provide accurate evidence to give informative and persuasive presentations. Students enrolled in English 11 will take the Virginia SOL tests in Writing and Reading/Literature and Research.

## **ENGLISH 11 HONORS**

Semesters: 1

Grade: 11

Prerequisite: English 10 with an A completion or English 10 - Honors

Credits: 1

Course Code: 1152

This course is designed for students with advanced abilities in reading and writing who are comfortable working independently at an accelerated pace. Students in the class will meet all of the objectives of English 11, but their study of the progression of American literature will go broader and deeper, their writing assignments will be more complex, and their research project will be more rigorous.

## **ENGLISH 12**

Semesters: 1

Grade: 12

Prerequisite: English 11 or English 11 Honors

Credits: 1

Course Code: 1160

English 12 students will analyze British literature and literature of other cultures with emphasis on the many classic works that may be studied. In addition, they will read informational and technical texts and continue to develop their own reading-process skills. They will produce informational and expository papers that are logically organized and contain clear and accurate ideas. Students will produce well-documented research papers, using a standard method of documentation. Students will use organizational skills, audience awareness, appropriate vocabulary and grammar, and verbal and nonverbal presentation skills to plan and deliver effective formal oral presentations. **Students in English 12 must complete a Capstone Project and an oral presentation.**

## **AP ENGLISH 12**

Semesters: 1

Grade: 12

Prerequisite: English 11 or English 11-Honors, 3.0 GPA & Successful passage of reading/writing SOL

Credits: 1

Course Code: 1195

This is a college freshman level course. Students in this two-semester AP class fulfill the high school English Requirement. The AP English course engages students in the careful reading and critical analysis of imaginative literature. Students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Students consider a work's structure, style and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Students may earn up to six college credits upon receiving a 3 or higher on the required AP exam in May.

## **ENGLISH LITERATURE AND COMPOSITION-ADVANCED PLACEMENT (Virtual)**

Semesters: 2

Grade: 11, 12

Prerequisite: English 11 or English 11 – Honors and 3.0 GPA

Credits: 1

Course Code: 1195

This AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller scale elements as the use of figurative language, imagery, symbolism, and tone. Reading in the course is both wide and deep. Writing is an integral part of the course. Writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays.

Students are **required** to take the national Advanced Placement English Literature and Composition exam. Students may or may not receive a total of 6 collegiate credit hours of English credit depending on (a) the particular college to which they are applying and (b) their score on the AP exam. **Students must meet course prerequisites outlined in the AP section of this course guide.**

## **COLLEGE ENGLISH-DE111 & DE112**

Semesters: 1

Grade: 12

Prerequisite: English 11 or English 11-Honors

Students must have a 3.0 GPA and successful ESCC placement exam

Credits: 1 credit

Course Code: 01102

This is a college freshman level course. Students in this two-semester, dual-enrollment course simultaneously receive college credit and fulfill high school English requirements.

ENG 111 introduces students to critical thinking and the fundamentals of academic writing. Through the writing process, students refine topics; develop and support ideas; investigate, evaluate, and incorporate appropriate resources; edit for effective style and usage; and determine appropriate approaches for a variety of contexts, audiences, and purposes. Writing activities will include exposition and argumentation with at least one researched essay. Credit: 3 College

ENG 112 continues to develop college writing with increased emphasis on critical essays, argumentation, and research, developing these competencies through the examination of a range of texts about the human experience. Requires students to locate, evaluate, integrate, and document sources and effectively edit for style and usage. **Prerequisite:** Students must successfully complete ENG 111 or its equivalent, and must be able to use word processing software. Credit: 3 College

## **DRAMATIC LITERATURE**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1

Course Code: 1165

Students in this course will explore the dramatic elements of all types of literature through oral, dramatic, and choral interpretation; acting; storytelling; and pantomime. Emphasis is placed upon critical analysis, script scoring, dialogue writing, and creative writing. Students are required to perform in monodramas, children's theater, puppet theater, total theater, improvisation, and theater of involvement.

## **JOURNALISM**

Semesters: 1

Grade: 9-12

Prerequisite: Completion of English 9

Credits: 1

Course Code: 1200

Students in this course study how to produce a newspaper and yearbook, with a brief history of journalism in the United States. This is a laboratory course; the school newspaper and/or yearbook are produced in the class. Students who are interested in a career in journalism or the news media will benefit.

## **HUMANITIES**

Semesters: 1

Grade: 10-12

Prerequisite: Completion of English 9

Credits: 1

Course Code: 1219

This course is a generalized survey of many aspects of cultural literacy. Based on the ideology of Dr. E.D. Hirsch, students in this course will explore many cultural and intellectual aspects of the present human existence. The course will focus on mythology, philosophy, religion, and art history. Mythology will include global mythology: Greek, Roman, South Asian, European and African (specifically the "Cradle of Civilization), and the Americas. Students will explore the theories of Carl Jung and Joseph Campbell. Philosophy will focus on the general philosophic tenets of Socrates, Plato, Aristotle, St. Augustine, Rousseau, Nietzsche, Kierkegaard, Kant, Marx, Bacon, Hobbes, Locke, Berkeley, Hume, Descartes, Spinoza, Sartre, and Paglia. Religion will delineate the major differences and similarities between Hindu, Islam, Buddhism, Judaism, Eastern Religions, Sikhism, Zoroastrianism, and Christianity.



## **SPEECH COMMUNICATIONS AND PUBLIC SPEAKING**

Semesters: 1

Grades 10-12

Prerequisite: English 9 or English 9 - Honors

Credits: 1

Course Code: 1300

This course's primary objective is to enable students to design and deliver effective speeches. The appropriate content, organization, and delivery of speeches make up the majority of instruction. General communication theory, types of speeches, delivery techniques, speaking situation analysis, speech evaluation, effective uses of data, recognition of propaganda techniques, types of persuasive appeals, organizational strategies, and multimedia presentation are major units. Students present speeches to demonstrate, inform, and persuade. They engage in formal debates. They participate in both individual and group presentations. They offer written critiques of presentations by their peers.

## **MATHEMATICS**

### **MATH FOUNDATIONS**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credit: 1 (elective)

Course Code: 3199

This course is designed to enhance math skills for students. This course will count as an elective credit, not a math credit.

### **ALGEBRA I**

Semesters: 1

Grades: 8-12

Prerequisite: Math 8

Credits: 1

Course Code: 3130

This course is designed to introduce students to the fundamental theory and structure of Algebra. It is a prerequisite for geometry and Algebra II. The content of the course includes: the study of the four fundamental operations with rational numbers, the study of solving equations and systems of equations, inequalities, quadratics, word problems, and the study of graphing, the study of functions and the study of polynomials.

### **ALGEBRA I- PART I & PART II**

Semesters: 2

Grades: 8-12

Prerequisite: Math 8

Credits: 1 elective (Part I) 1 math credit (Part II)

Course Code: 3131 (Part I) 3132 (Part II)

Course content is the same as Algebra. Refer to Algebra I for a description. However, the material is taught in a two-year sequence (two semesters). Successful completion of Algebra I- Part I and Algebra I- Part II, satisfies the Algebra I graduation requirement.

### **GEOMETRY**

Semesters: 1

Grade: 9-12

Prerequisite: Algebra I

Credits: 1

Course Code: 3143

This course is designed for advanced studies program students and should be taken by those students planning to attend college. The standard content of Euclidean geometry is covered with emphasis on proofs and geometric figures.

### **GEOMETRY PART I & PART II**

Semesters: 1

Grade: 9-12

Prerequisite: Algebra I

Credit: 1 elective (Part I), 1 math (Part II)

Course Code: 3144 (Part I), 3145 (Part II)

Geometry Readiness is a one-semester course designed to adequately prepare grade students who failed the Algebra I SOL test, but passed the Algebra I class for Geometry. It is imperative that students master pre-geometric skills and concepts before they enroll in a course that meets or exceeds the rigor of the content standards for Geometry.

### **ALGEBRA, FUNCTIONS, AND DATA ANALYSIS**

Semesters: 1

Grades: 10-12

Prerequisite: Successful completion of Algebra I and Geometry. Recommended for students who do not plan to take math classes above the level of Algebra II.

Credits: 1

Course Code: 3134

This is a one-credit course designed for students who have successfully completed the standards for Algebra I and Geometry. There is no SOL end-of-course test associated with this course. Within the context of mathematical modeling and data analysis, students will study functions and their behaviors, systems of inequalities, probability, experimental design and implementation, and analysis of data. Data will be generated by practical applications arising from science, business, and finance. Students will solve problems that require the formulation of linear, quadratic,

exponential, or logarithmic equations or a system of equations. Through the investigation of mathematical models and interpretations/analysis of data from real –life situations, students will strengthen conceptual understandings in mathematics and further develop connections between algebra and statistics. Technology (graphing calculator and/or computer software) will be used in the course to assist in modeling and investigating functions and data analysis.

### **ALGEBRA II**

Semesters: 1

Grade: 9-12

Prerequisite: Geometry

Credits: 1

Course Code: 3135

This course is designed for students in the advanced studies program. Basic concepts and skills of Algebra I and correct usage of terminology are reviewed. Basic topics include: linear functions and relations, nominal and rational expressions, radicals, sequences and series, complex numbers, polynomial functions and equations, exponential, and logarithmic functions.

### **TRIGONOMETRY**

Semesters: 1

Grade: 10-12

Prerequisite: Algebra II

Credits: 1

Course Code: 3150/3176

This course is designed for students in the advanced studies program. Trigonometry includes review of sets, relations and functions, development of circular functions, followed by a development of trigonometric functions and applications of these functions.

### **DUAL ENROLLMENT PRE-CALCULUS**

Semesters: 1

Grade: 11-12

Prerequisite: Students must have a 3.0 GPA and successful ESCC placement exam and completion of Trigonometry

Credits: 1

Course Code: 02104

This dual enrollment course is intended for those who have a thorough knowledge of college preparatory mathematics, including Algebra I, Algebra II, Geometry, and Trigonometry. Topics include: college algebra, matrices, and algebraic, exponential, and logarithmic functions, also included are trigonometry, analytic geometry, and sequences and series.

### **DUAL ENROLLMENT CALCULUS I**

Semesters: 1

Grade: 12

Prerequisite: Successful completion of Pre-Calculus and Students must have a 3.0 GPA and successful ESCC placement exam

Credits: 1

Course Code: 02121

This dual enrollment courses presents topics in differential calculus of one variable including the theory of limits, derivatives, differentials, definite and indefinite integrals, and applications to algebraic and transcendental functions. Designed for mathematical, physical, and engineering science programs. Prerequisites: a placement recommendation for MTH 273 and four units of high school mathematics including Algebra I, Algebra II, Geometry, and Trigonometry or equivalent. See note on page F-5 under dual enrollment courses.

### **DUAL ENROLLMENT CALCULUS II**

Semesters: 1

Grade: 12

Prerequisite: Successful completion of Pre-Calculus and Students must have a 3.0 GPA and successful ESCC placement exam

Credits: 1

Course Code: 02121

This dual enrollment courses covers vectors in three dimensions, definite integrals, and methods of integration, indeterminate forms, partial differentiation, and multiple integrals. Designed for mathematical, physical, and engineering science programs. Prerequisite Dual Enrollment Calculus I or equivalent.

### **ADVANCED PLACEMENT CALCULUS AB (Virtual/Class)**

Semesters: 2

Grade: 11-12

Prerequisite: Pre-Calculus and 3.0 GPA

Credits: 1

Course Code: 3177

Students will solve problems involving functions, limits, continuity, slope, and rate of change, both average and instantaneous. Students will find the derivative of polynomial, exponential, trigonometric, transcendental, and inverse functions. The applications of differentiation will be explored. The study of integral calculus includes the integration of the above-mentioned functions and its applications, such as the area under a curve, arc length, and the volume of solids of revolution. After completion of the course, students should be able to apply calculus to solve problems in business, social sciences, and natural sciences. Students are required to take the national Advanced Placement Calculus AB exam. Students may or may not receive a total of 6 collegiate credit hours of Calculus credit depending on (a) the particular college to which they are applying and (b) their score on the AP exam. **Students must meet prerequisites as outlined in the AP section of this course guide.**

## **PROBABILITY AND STATISTICS**

Semesters: 1

Grade: 10-12

Prerequisite: Algebra I

Credits: 1

Course Code: 3190

Probability and Statistics is a math course designed to give the student a comprehensive knowledge of introductory statistics and probability in such areas as sociology, business, ecology, economics, education, medicine, psychology, and mathematics. Although the mathematical content is complete and correct, the language is elementary and easy to understand. Some of the mathematical concepts covered are mean, median, mode, standard deviation, permutations, combinations, conditional probability, random samples, and the method of least squares.

## **SCIENCE**

### **FOUNDATIONS OF SCIENCE**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1 (Elective)

Course Code: 4610

This course is designed to enhance science skills for students who did not pass the science SOL test. This course will count as an elective credit, not a science credit.

### **EARTH SCIENCE**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1

Course Code: 4210

This course explores physical geology, historical geology, meteorology, oceanography, and astronomy. It is a study of earth--its matter, features, processes, and place in the universe. Earth Science emphasizes the constant changes that the earth undergoes and how these changes affect landforms, rock structures, and life itself. This class offers many hands-on activities.

## **ENVIRONMENTAL SCIENCE**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1

Course Code: 03003

Environmental Science courses examine the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, these courses usually cover the following subjects: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources.

## **BIOLOGY**

Semesters: 1

Grade: 10-12

Prerequisite: None

Credits: 1

Course Code: 4310

This course provides students with a detailed understanding of living systems. Emphasis is placed on the skills necessary to examine scientific explanations, to conduct controlled experiments, to analyze and communicate information, and to acquire and use scientific literature. The history of biological thought and the evidence that supports it are explored and provide the foundation for investigating biochemical life processes, cellular organization, mechanisms of inheritance, dynamic relationships among organisms, and the change in organisms through time.

## **BIOLOGY II (ANATOMY/PHYSIOLOGY)**

Semesters: 1

Grade: 10-12

Prerequisite: Biology I

Credits: 1

Course Code: 4330

This course is designed to educate the student in the anatomy (structure) and physiology (function) of the human body, including the organization of the human body; body chemistry; cellular structure, function, and intercellular organization; and investigations of the nine body systems. In addition to lecture, the course includes numerous labs designed to support and complement the lecture material as well as enhance lab skills and promote analytical thought.

## **BIOLOGY II (ECOLOGY)**

Semesters: 1

Grade: 10-12

Prerequisite: Earth Science and Biology I

Credits: 1

Course Code: 4340

This course integrates biology, earth science, chemistry, and other disciplines. Students enrolled

in this course conduct in-depth scientific studies of ecosystems, population dynamics, resource management, and environmental consequences of natural and anthropogenic processes. Students formulate, design, and carry out laboratory and field investigations. Students completing Ecology acquire the essential tools for understanding the complexities of national and global environmental systems.

### **DUAL ENROLLMENT COLLEGE BIOLOGY I**

Semesters: 1

Grade: 11-12

Prerequisite: Successful completion of Biology and Chemistry,

Satisfactory score on the ESCC placement tests and 3.0 GPA.

Credits: 1

Course Code: DE4700B

College Biology is a college freshman dual enrollment course. Course content includes an in-depth study of the following biological concepts: cell morphology and physiology, energy mechanisms and relationships, the theories and mechanisms of the origin of life and evolution, classification and taxonomy, comparative anatomy and physiology of representatives of the five kingdoms with particular emphasis on the human being, ecological interactions, and relationships and conservation.

### **DUAL ENROLLMENT COLLEGE BIOLOGY II**

Semesters: 1

Grade: 11-12

Prerequisite: Successful completion of College Biology I and 3.0 GPA

Credits: 1

Course Code: DE4701B

College Biology is a college freshman dual enrollment course. Course content includes an in-depth study of the following biological concepts: cell morphology and physiology, energy mechanisms and relationships, the theories and mechanisms of the origin of life and evolution, classification and taxonomy, comparative anatomy and physiology of representatives of the five kingdoms with particular emphasis on the human being, ecological interactions, and relationships and conservation.

### **ADVANCED PLACEMENT BIOLOGY**

Semesters: 2

Grade: 11-12

Prerequisites: 3.0 GPA

Credits: 1

Course Code: 4370

The AP Biology course is designated to be the equivalent of a college introductory biology course taken during the first year of college. The course aims to help students develop a conceptual framework for modern biology. The three major topics covered in the course are molecules and cells, heredity and evolution, and organisms and populations. Prerequisite:

Successful completion of Biology and Chemistry. Students may earn up to six college credits upon receiving a 3 or higher on the AP exam in May.

### **CHEMISTRY**

Semesters: 1

Grade: 10-12

Prerequisites: Completion of Biology and Algebra I (Algebra II Recommended)

Credits: 1

Course Code: 4410

This course is the study of matter and its interactions. Topics begin with a review of laboratory safety, scientific method, SI units and prefixes, significant figures, and scientific notation. Emphasis is placed on organization and problem-solving strategies such as dimensional analysis and simultaneous equations. This course deals with a detailed treatment of atomic structure, electron configuration, periodic trends, bonding, chemical equations, stoichiometry, calorimetry, gas laws, acids and bases, oxidation-reduction, electrochemistry, and nuclear chemistry. Practical, hands-on laboratory experience involves a variety of experiments that include quantitative and qualitative analysis and the use of appropriate technology.

### **ADVANCED PLACEMENT CHEMISTRY**

Semesters: 2

Grade: 11-12

Prerequisite: Algebra II, Biology and Chemistry and 3.0 GPA

Credits: 1

Course Code: 4470

The AP chemistry course is designed to be the equivalent of the general chemistry course taken during the first year of college. The course aims to provide students with a deep understanding of fundamentals and a reasonable competence in dealing with chemical problems. Topics include structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics and thermodynamics. Students may earn up to six college credits upon receiving a 3 or higher on the AP exam in May.

### **PHYSICS**

Semesters: 1

Grade: 10-12

Prerequisites: Algebra I or the equivalent

Credits: 1

Course Code: 4510 BT

Physics is the study of quantitative relationships of matter and energy. The topics covered and investigated experimentally include: vector analysis, mechanics, heat, sound, light, electricity, and nuclear energy.



## **DUAL ENROLLMENT COLLEGE GENERAL ENVIROMENTAL SCIENCE I**

Semesters: 1

Grade: 11-12

Prerequisite: None

Credits: 1

Course Code: **DE03003A**

Explores fundamental components and interactions that make up the natural systems of the earth. Introduces the basic science concepts in the discipline of biological, chemical, and earth sciences that are necessary to understand and address environmental issues.

## **DUAL ENROLLMENT COLLEGE GENERAL ENVIROMENTAL SCIENCE II**

Semesters: 1

Grade: 11-12

Prerequisite: DE College General Environmental Science I

Credits: 1

Course Code: **DE03003B**

Explores fundamental components and interactions that make up the natural systems of the earth. Introduces the basic science concepts in the discipline of biological, chemical, and earth sciences that are necessary to understand and address environmental issues.

## **SOCIAL STUDIES**

### **FOUNDATIONS OF HISTORY**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1

Course Code: 04999

This course is designed to enhance history skills for students who did not pass the science SOL test. This course will count as an elective credit, not a history credit.

### **WORLD HISTORY AND GEOGRAPHY TO 1500 A.D. (C.E.)**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1

Course Code: 2215

This course is a comprehensive study of the historical development of people, places, and patterns of life from ancient times until 1500 A.D. in terms of the impact on Western civilization. Students study the origins of man's civilization in the Paleolithic and Neolithic eras and early civilizations that developed in Africa, the Middle East, Europe, and Asia. Students will use chronological thinking, historical comprehension, historical analysis and interpretation, historical research, and decision-making to examine the physical and cultural characteristics of each age and its influence on the succeeding time periods.

### **WORLD HISTORY AND GEOGRAPHY 1500 A.D. to PRESENT (C.E.)**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1

Course Code: 2216

This course allows students to examine history and geography from 1500 A.D. (C.E.) to the present with emphasis on Western Europe. Geographic influences on history will continue to be explored, but increasing attention will be given to political boundaries that developed with the evolution of nations. Significant attention will be given to the ways in which scientific and technological revolutions created new economic conditions that in turn produced social and political changes. Noteworthy people and events of the nineteenth and twentieth centuries will be emphasized for their strong connections to contemporary issues.

### **WORLD GEOGRAPHY**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1

Course Code: 2210

The focus of this course is the study of the world's people, places, and environments with historical emphasis on Asia, Latin America, Africa, and the Middle East. The knowledge, skills, and perspectives of the course are centered on the world's population and cultural characteristics) its countries and regions, land forms and climates, natural resources and natural hazards, economic and political systems, and migration and settlement patterns. Spatial concepts of geography will be linked to chronological concepts of history to set a framework for studying human interactions. The course will emphasize how people in various cultures influence and are influenced by their physical and ecological environments. Using texts, maps, globes, graphs, pictures, stories, diagrams, charts, and a variety of geographic, inquiry/research, and technology skills, students consider the

relationships between people and places while asking and answering geographic questions.

### **VIRGINIA AND UNITED STATES HISTORY**

Semesters: 1  
Grade: 11  
Prerequisite: None  
Credits: 1  
Course Code: 2360

This course deals with the development of American ideas and institutions. Specific content begins with the exploration period and progresses to our contemporary society. Personalities and events which influenced the growth of America are emphasized along with other important 19<sup>th</sup> and 20<sup>th</sup> Century events in Virginia and the United States.

### **VIRGINIA AND UNITED STATES GOVERNMENT**

Semesters: 1  
Grade: 12  
Prerequisite: None  
Credits: 1  
Course Code: 2440

The course deals with a study of the basic values on which our government rests, the principles which gave it direction, and the actual functioning of government in the U. S. on the national, state, and local level. Course content includes a study of the United Nations, U. S. Foreign Policy, and the U. S. Legal System. Current events are used to illustrate how government works and affects our lives.

### **DUAL ENROLLMENT U.S. HISTORY I**

Semesters: 1  
Grade: 11-12  
Prerequisite: Satisfactory score on the ESCC placement tests and 3.0 GPA  
Credits: 1  
Course Code: DE2950

This freshman level dual enrollment course in U.S. History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in American History. Students should learn to assess historical materials their relevance to a given interpretive problem, their reliability, and their importance – and to weigh the evidence and interpretation presented in historical scholarship.

### **DUAL ENROLLMENT U.S. HISTORY II**

Semesters: 1  
Grade: 11-12  
Prerequisite: U.S. History I and Satisfactory score on the ESCC placement tests and 3.0 GPA  
Credits: 1  
Course Code: DE2951

This freshman level dual enrollment course in U.S. History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in American History. Students should learn to assess historical materials their relevance

to a given interpretive problem, their reliability, and their importance – and to weigh the evidence and interpretation presented in historical scholarship.

### **ADVANCED PLACEMENT U.S. HISTORY**

Semesters: 2

Grade: 11-12

Prerequisite: 3.0 GPA (World History II Recommended)

Credits: 1

Course Code: 2319

A college level course that combines learning factual knowledge with developing analytical skills. Emphasis is given to developing interpretive writing skills while assessing historical material according to relevance, reliability) and importance by weighing the evidence presented in historical scholarship. The course includes materials from discovery and settlement to present day America. Extensive writing is required and students must take the AP History exam in May. College credit may be granted, subject to the requirements of the college or university.

### **PSYCHOLOGY**

Semesters: 1

Grade: 10-12

Prerequisite: None

Credits: 1

Course Code: 2900

This course is the study of history, systems, and methods of human and animal behavior. Students will also sharpen their test-taking skills, study habits, and management skills.

### **AFRICAN AMERICAN HISTORY**

Semesters: 1

Grade: 10-12

Prerequisite: None

Credits: 1

Course Code: 04107

This course student will identify and understand the African origins and developments of the Black experience in North America; analyze and understand the institution of slavery in the United States from its colonial period through reconstruction, and: a) how it helped to shape beliefs about race and the supremacy of one race over another; and b) how it established (influenced) America's economy and politics; evaluate how African Americans have shaped, contributed and have been shaped by the institutions, policies, and laws established by federal, state and local governments; and evaluate and interpret the various paths of civic responsibility that led to quests for equality, justice, and freedom for individuals and communities facing barriers and oppression based on race, class, and gender.

## Computer Science

### **Computer Science Foundations**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1 (Elective)

Course Code: 10020

The standards provide a transition from block-based programming to a text-based programming language and familiarize the student with developing and executing computer programs.

### **Computer Science Principles**

Semesters: 1

Grade: 9-12

Prerequisite: Computer Science Foundations

Credits: 1 (Elective)

Course Code: 10011

Students in this course will expand their programming skills and begin to think about and analyze their own problem solving process. Students continue to develop the ideas and practices of computational thinking and consider how computing impacts the world.

### **Computer Science Programming**

Semesters: 1

Grade: 9-12

Prerequisite: Computer Science Foundations & Computer Science Principles

Credits: 1 (Elective)

Course Code: 10021

The standards build on the concepts outlined in the Computer Science Foundations and Computer Science Principles standards. This course continues the study of computer programming and prepares students to write programs of increasing complexity to solve problems of personal interest and professional relevance in a variety of technical fields. Additionally, this course provides the knowledge and experience to prepare students for further studies in computer science.

### **Computer Math**

Semesters: 1

Grade: 9-12

Prerequisite: Algebra I

Credits: 1 (Math)

Course Code: 2156

This course is intended to provide students with experiences in using computer programming

techniques and skills to solve problems that can be set up as mathematical models. These standards identify fundamental principles and concepts in the field of computer science that will be used within the context of mathematical problem solving in a variety of applications. As students develop and refine skills in logic, organization, and precise expression, they will apply those skills to enhance learning in all disciplines.

### **AP Computer Science A (Virtual Virginia)**

Semesters: 1 or Yearlong

Grade: 10-12

Prerequisite: Algebra II or Trigonometry, 3.0 GPA

Credits: 1 (Math)

Course Code: 10157

This course focuses on the computing skills required to program in Java. The course introduces students to computer science through various topics that include problem solving, design strategies and methodologies, data structures, algorithms, analysis of potential solutions, and the ethical and social implications of computing. The course is meant to be the equivalent of a college-level introductory course in computer science and emphasizes the design issues that make programs understandable, adaptable, and reusable.

### **Programming (Computer Science)**

Semesters: 1

Grade: 10-12

Prerequisite: Keyboarding Skills

Credits: 1 (CTE)

Course Code: 6640

Students in the Programming course explore programming concepts, use algorithmic procedures, implement programming procedures with one or more standard languages, and master programming fundamentals. Coding is used throughout the course. Graphical user interfaces may be used as students design and develop interactive multimedia applications, including game 3 programs. In addition, students employ hypertext markup language (HTML) or JavaScript to create web pages. Students develop their employability skills through a variety of activities.

## **HEALTH & PHYSICAL EDUCATION**

### **HEALTH AND PHYSICAL EDUCATION 9**

Semesters: 1

Grade: 9

Prerequisite: None

Credits: 1

Course Code: 7300

Students study first aid, cardiopulmonary resuscitation, the use of automated external defibrillators, disease prevention and control, consumer health, environmental health, and family health. Physical Education activities include team sports, recreation sports, gymnastics, cardio respiratory endurance activities, and track and field.

**\*\*HB2028 and HB986 requirement to be awarded a Standard or an Advanced Studies Diploma.**

### **HEALTH AND PHYSICAL EDUCATION 10**

Semesters: 1

Grade: 10

Prerequisite: None

Credits: 1

Course Code: 7405

Students study parenthood, family relationships, and mental health. Driver education is taught as part of this course. Physical education activities include team sports, recreational sports, and cardio respiratory activities.

Students transferring above the tenth grade from schools or other education programs that do not require or give credit for health and physical education shall not be required to take these courses to meet graduation requirement.

**Classroom Driver's Education** is taught as a health unit in tenth grade Health and Physical education classes. All tenth grade students regardless of their age will be enrolled in the classroom portion of instructions. Beginning in January 2002, in order for a ninth grade student to be scheduled for Health and Physical Education 10, they must be sixteen years and 3 months at the end of the semester. Classroom Driver's Education **may not** be taught in the ninth grade.

**All behind-the wheel Driver's Education** will be scheduled by the School Safety Analyst. A fee is charged for the program and will be collected by the school's bookkeeper. The school's counseling office will continue to document all grades and file all pertinent information.

### **ADVANCED PHYSICAL EDUCATION**

Semesters: 1

Grade: 11-12

Prerequisite: 9<sup>th</sup> and 10<sup>th</sup> grade Health & Physical Education

Credits: 1

Course Code: 7650

Students participate in activities to improve muscle strength, speed, flexibility, agility, and explosive power. The instruction will include free weight exercise, plyometric, and passive stretching as its core components.

## **FOREIGN LANGUAGE**

### **FRENCH I**

Semesters: 1

Grade: 8-12

Prerequisite: None

Credits: 1

Course Code: 5110

An introductory course exposes students to the fundamentals of French grammar. Beginning grammar includes the basics of nouns, adjectives, pronouns, and verb in the present and past tense. The course stresses the ability to comprehend and speak simple sentences, and to read and write simple ideas about everyday events. An introduction to cultural differences is also included.

### **FRENCH II**

Semesters: 1

Grade: 9-12

Prerequisite: French I

Credits: 1

Course Code: 5120

French II focuses on a continuation of what was taught in French I in addition to acquiring more vocabulary, the student will learn other tenses and the subjunctive mood. The student will read and write more complex sentences. A more in-depth study of the foreign culture is included.

### **FRENCH III**

Semesters: 1

Grade: 10-12

Prerequisite: French II

Credits: 1

Course Code: 5130

Students will read and discuss concepts and ideas on French literacy documents. Vocabulary growth and grammar review are used to strengthen the student's ability and style of expressions. The student will write short compositions.

### **FRENCH IV**

Semesters: 1

Grade: 11-12

Prerequisite: French III

Credits: 1

Course Code: 5140

Students will be expected to expand their vocabulary and to strengthen their knowledge of structure. Emphasis is given to developing fluency so that they may read, write, and discuss ideas



with greater ease than in French III. The students will research and study the history, geography, and literature of France.

### **SPANISH I**

Semesters: 1

Grade: 8-12

Prerequisite: None

Credits: 1

Course Code: 5510

An introductory course exposes students to the fundamentals of Spanish grammar. It focuses on the four basic skills: listening, speaking, reading, and writing. Basic vocabulary and grammatical structures are presented that enable students to personalize the language.

### **SPANISH II**

Semesters: 1

Grade: 9-12

Prerequisite: Spanish I

Credits: 1

Course Code: 5520

Spanish II focuses on more complex and sophisticated grammatical structures and vocabulary that provides added fluency for students who have mastered Spanish I. Hispanic culture is presented in a contemporary framework which creates topics of special interest to high school students.

### **SPANISH III**

Semesters: 1

Grade: 10-12

Prerequisite: Spanish II

Credits: 1

Course Code: 5530

Emphasis is on fluency, with students expressing themselves in the language with pronunciation, intonation, grammatical correctness, form, and style acceptable to the native speaker.

### **SPANISH IV**

Semesters: 1

Grade: 11-12

Prerequisite: Spanish III

Credits: 1

Course Code: 5540

Students will be expected to expand their vocabulary, to strengthen their knowledge of structure, and to develop their fluency so that they may read, write, and discuss ideas with even greater ease than in the third year. They will also research and study the history, geography, and literature of Hispanic countries.

## **ART & PERFORMING ARTS**

### **ART I**

Semesters: 1  
Grade: 9-12  
Prerequisite: None  
Credits: 1  
Course Code: 9120

This is an introductory course for students who are interested in learning the elements and principles of design, both two-dimensional and three-dimensional, and the history of art.

### **ART II**

Semesters: 1  
Grade: 9-12  
Prerequisite: Art I  
Credits: 1  
Course Code: 9130

This course is designed to aid students who are interested in increasing their knowledge in drawing, painting, print-making, sculpture, ceramics, and architecture.

### **ART III**

Semesters: 1  
Grade: 10-12  
Prerequisite: Art II (or Art I and Ceramics)  
Credits: 1  
Course Code: 9140

This course is for advanced students who are interested in art as a vocation. Students are expected to work independently on projects. Emphasis will be placed on developing a portfolio of work suitable for submission to colleges and art schools.

### **ART IV**

Semesters: 1  
Grade: 11-12  
Prerequisite: Art III  
Credits: 1  
Course Code: 9145

An intensive course which addresses advanced concepts in drawing, color, design, and painting, with a strong emphasis on critical and analytical thinking. Completion of a portfolio according to the instruction goals of The College Board is required.

## **AP STUDIO ART**

Semesters: 1

Grade: 12

Prerequisite: Art IV or Photo II (No Minimum GPA Requirement)

Credits: 1

Course Code: 9148

The Advanced Placement Studio Art is an intensive full year course designed for the student who has satisfied a prerequisite of previous study in art in high school which includes Art I, Art II, Art III, and Art IV. This course addresses advanced concepts in drawing, color, design, and painting and may result in the preparation of a portfolio by each student that is prescribed by The College Board. This student portfolio will be submitted to The College Board for evaluation. While the production of art is the primary focus of the class, there is a strong emphasis on critical and analytical thinking. Students will engage in comprehensive critiques, read critical and art historical selections, and write reviews of student and master works.

## **ART HISTORY**

Semesters: 1

Grade: 10-12

Prerequisite: None

Credits: 1

Course Code: 9170

Students will study the development of art from Paleolithic cave painting to modern art, with emphasis on European and American Art (painting, sculpture and architecture).

## **PHOTOGRAPHY**

Semesters: 1

Grade: 10-12

Prerequisite: None (Art I Recommended)

Credits: 1

Course Code: 9190

The course is designed to acquaint students with various methods of photography in order to produce creative compositions. Students will understand exposure, the 35mm camera, and black and white darkroom processes. Students will also explore alternative processes, such as pinhole cameras, and will be introduced to digital cameras and computer photography programs.

## **PHOTOGRAPHY II**

Semesters: 1

Grade: 10-12

Prerequisite: Photography I

Credits: 1

Course Code: 9191

The course is designed to enhance skills that students learned in Photo I and to teach them new methods of producing creative compositions. Adobe Photoshop software will be utilized to change

digital images in a different way than the traditional darkroom.

### **CERAMICS**

Semesters: 1

Grade: 9-12

Prerequisite: None (Art I Recommended)

Credits: 1

Course Code: 9175

This course is for students who are interested in pottery and sculpture. The class will consist of hand built and wheel-thrown designs, as well as sculpture, assemblage and other three-dimensional forms.

### **BEGINNING BAND**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1

Course Code: 9232

Band is for all students who are interested in instrumental music, and for students who wish to participate in the school band program. All aspects of music will be covered, but not on a level of Intermediate Band.

### **INTERMEDIATE BAND**

Semesters: 1

Grade: 9-12

Prerequisite: Beginning Band or Instructor Approval

Credits: 1

Course Code: 9233

Band is for all students who are interested in instrumental music, and for students who wish to participate in the school band program. All aspects of music will be covered, but not on a level of Advanced Band.

### **ADVANCED BAND**

Semesters: 1

Grade: 9-12

Prerequisite: Band or Instructor Approval

Credits: 1

Course Code: 9234

Advanced Band is a performance-based class. Advanced music theory, music history, and music pedagogy will be taught.

## **MUSIC APPRECIATION**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1

Course Code: 9222

The course is designed to cultivate a better understanding and appreciation of music in our multi-ethnic society.

## **BEGINNING CHORUS**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1

Course Code: 9260

Chorus is open to any student who has had limited or no choral experience. It is intended to cultivate the fundamental principles of singing. This course includes teaching students to sing with expressive and beautiful tone, quality, good pitch, correct breathing habits, clear diction, fine blend, and artistic interpretation.

## **INTERMEDIATE CHORUS**

Semesters: 1

Grade: 9-12

Prerequisite: Beginning Chorus or Instructor Approval

Credits: 1

Course Code: 9285

The curriculum includes learning to produce a proper singing tone, singing in two- and/or three-part harmony, understanding music terminology, reading and understanding music notation, and working together as a music ensemble.

## **ADVANCED CHORUS**

Semesters: 1

Grade: 9-12

Prerequisite: Intermediate Chorus or Instructor Approval

Credits: 1

Course Code: 9289

Small ensembles are utilized as well as required solo performances. There are opportunities for both district and national competitions. Students are expected to master basic theory. Comprehensive testing is done in sight-singing, written dictation and chord structure.

## **SPECIAL PROGRAMS**

### **INTERNSHIP I**

Semesters: 1  
Grade: 12  
Credits: 1  
Course Code: 9826

Internships are designed for seniors who have a 2.75 GPA in their specialized field of study and a clear career path planned, and who are seeking to gain related hands-on-experience under the guidance of someone already working in their chosen career area. Interns must seek their own internship sponsor within 60 miles of their high school, complete the Internship Agreement and Internship Application, and obtain two (2) faculty recommendations. Interns will accumulate 135 supervised hours working at the approved intern site, keep a daily time log each week for the semester, write a three to five-page paper and present a summary of their internship before a committee at the end of the semester. Students interested in applying for the internship program must do so by August 15 for the first semester and by January 15 for the second semester.

### **INTERNSHIP II**

Semesters: 1  
Grade: 12  
Credits: 1  
Course Code: 9828

Internships are designed for seniors who have a 2.75 GPA in their specialized field of study and a clear career path planned, and who are seeking to gain related hands-on-experience under the guidance of someone already working in their chosen career area. Interns must seek their own internship sponsor within 60 miles of their high school, complete the Internship Agreement and Internship Application, and obtain two (2) faculty recommendations. Interns will accumulate 135 supervised hours working at the approved intern site, keep a daily time log each week for the semester, write a three to five-page paper and present a summary of their internship before a committee at the end of the semester. Students interested in applying for the internship program must do so by August 15 for the first semester and by January 15 for the second semester.

## **CAREER & TECHNICAL EDUCATION COURSE AND PROGRAM INFORMATION**

A wide variety of Career and Technical Education (CTE) programs are offered. These include:

- Business and Information Technology
- Culinary Arts
- Family and Consumer Sciences
- Health and Medical Sciences
- Marketing
- Technology Education
- Trade and Industrial Education

Students are able to take courses within these programs as electives provided they would take two or more related courses within these areas. Completion of a specified prerequisites have been met. Students are encouraged to map out a program of study in which sequence of coursework leads to completer status, and these credits will count as CTE credits for diploma requirements.

Accomack County Public Schools also offers intensive programs of study through its Badger Technical Center. Badger Technical Center has two campuses: A Northern campus located at Arcadia High School and a southern campus located at Nandua High School. A bus shuttle runs twice daily so that students from all three mainland high schools may take advantage of these specialized programs. Students may also drive but must adhere to the following guidelines at all times:

1. Students must have a valid vehicle registration form on file at their home school and at the Badger Center. This form, Vehicle Registration/Driving Permit can be obtained from their home school.
2. Parent(s)/Guardian(s) must sign Vehicle Registration/Driving Permit.
3. Student drivers may not, at any time, transport other students from the Badger Center to home school or from home school to Badger Center.

## **Career and Technical Education Course Descriptions**

### **BUSINESS AND INFORMATION TECHNOLOGY**

#### **Program Overview:**

Minimum Completer Requirements for Program Concentration: Two (2) sequential other occupational courses (Accounting, Advanced Accounting, Computer Information Systems, Desktop/Multimedia Presentations, Office Administration, Digital Applications).

Recommend for Career and Technical Educations Specialization: Concentration requirements plus one (1) additional course that compliments a focused business program of study. Examples: (Office Administration, Computer Information Systems), (Office Administration, Computer Information Systems, Advanced Computer Information Systems), (Office Administration, Digital Applications, Desktop/Multimedia Presentations), (Accounting, Advanced Accounting, Computer Information Systems).

#### **ACCOUNTING**

Semesters: 1

Grade: 10-12

Prerequisite: None

Credits: 1

Course Code: 6320

Students study the basic principles, concepts, and practices of the accounting cycle. Students learn fundamental accounting procedures using a manual and an electronic system.

#### **ADVANCED ACCOUNTING**

Semesters: 1

Grade: 11-12

Prerequisite: Accounting

Credits: 1

Course Code: 6321

Students gain in-depth knowledge of accounting procedures and techniques used to solve business problems and make financial decisions. Students use accounting and spreadsheet software to analyze and interpret business applications. Certification is available through the National Occupational Competency Testing Institute (NOCTI) by taking the Accounting Basic exam. Certification is available to students who pass the MOS core or excellent test.



## **BUSINESS AND INFORMATION TECHNOLOGY INDIVIDUALIZED PROGRAM**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1

Course Code: 6746

This course is designed to serve students with special needs who desire and can benefit from business studies. The course is developed cooperatively between local businesses, information technology teachers and special education teachers based upon individual needs of the students. Course length is determined by students' needs and job requirements.

## **BUSINESS LAW**

Semesters: 1

Grade: 10-12

Prerequisite: None

Credits: 1

Course Code: 6131

Students examine the foundations of the American legal system. Students explore economic and social concepts as they relate to legal principles and to business and personal laws.

## **COMPUTER INFORMATION SYSTEMS**

Semesters: 1

Grade: 9-12

Prerequisite: None (Keyboarding Recommended)

Credits: 1

Course Code: 6612

Students apply problem-solving skills to real-life situations through word processing, spreadsheet, and database software and through integrated software activities. Students work individually and in groups to explore computer concepts, operating systems and emerging technologies. The Microsoft Office Specialist (MOS) Certification is available to students who pass the MOS certification in the core or excellent exam.

## **ADVANCED COMPUTER INFORMATION SYSTEMS**

Semesters: 1

Grade: 10-12

Prerequisite: Computer Information Systems

Credits: 1

Course Code: 6613

Students apply problem-solving skills to real-life integrated software applications, including multimedia presentations, printed and electronic desktop publication, and web site development. Students work in groups to explore advanced computer maintenance activities, telecommunications, programming, and networking. The Microsoft Office Specialist (MOS) Certification is available to students who pass the MOS certification in the core or excellent exam.

## **DESIGNS, MULTIMEDIA, AND WEB TECHNOLOGIES**

Semesters: 1

Grade: 9-12

Prerequisite: None (Keyboarding Recommended)

Credits: 1

Course Code: 6630

Students develop proficiency in using desktop publishing software to create a variety of business publications. Students work with sophisticated hardware and software to develop multimedia presentations. The Microsoft Office Specialist (MOS) Certification is available to students who pass the MOS certification in the core or excellent exam.

## **ECONOMICS AND PERSONAL FINANCE**

Semesters: 1

Grade: 10-12

Prerequisite: None

Credits: 1

Course Code: 6120

\* Required course for graduation, but does not count toward CTE completion

Students learn how to navigate the financial decisions they must face and to make informed decisions related to career exploration, budgeting, banking, credit, insurance, spending, taxes, saving, investing, buying/leasing a vehicle, living independently, and inheritance. Development of financial literacy skills and an understanding of economic principles will provide the basis for responsible citizenship and career success.

## **DIGITAL APPLICATIONS**

Semesters: 1

Grade: 9-12

Prerequisite: None (Keyboarding Skills Recommended)

Credits: 1

Course Code: 6611

Students develop real-life, outcome-driven approach skills for digital citizenship, basic computer operations, keyboarding, application software (word processing, spreadsheets, multimedia applications, databases), and career exploration. This course promotes skills that can be applied across the curriculum and offers preparation relevant to 21st century skills and postsecondary education.

### **OFFICE ADMINISTRATION**

Semesters: 1

Grade: 9-12

Prerequisite: None (Keyboarding Skills Recommended)

Credits: 1

Course Code: 6621

Students enhance word processing and communication skills as they develop competencies needed by administrative support professionals. Students study office procedures such as machine dictation/transcription, telecommunications, electronic records management, and financial records management.

### **PRINCIPLES OF BUSINESS AND MARKETING**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1

Course Code: 6115

Students explore the roles of business and marketing in the free enterprise system and the global economy. They study how the American economy operates and prepare to make decisions as consumers, wage earners, and citizens.

## **EDUCATION FOR EMPLOYMENT**

### **EDUCATION FOR EMPLOYMENT I – DEVELOPMENT**

Semesters: 1

Grade: 10-12

Prerequisite: Students graduating with Applied Studies Diploma or Certificate of Program Completion

Credits: 1

Course Code: 9085

This course teaches students to make informed career and continuing education choices as they transition from school, gain technical skills, and adapt to the workplace. Students are taught ethical behaviors and career-research, job-acquisition, workplace-communication, self-awareness, self-advocacy, customer-service, and life skills.

### **EDUCATION FOR EMPLOYMENT II – DEVELOPMENT**

Semesters: 1

Grade: 10-12

Prerequisite: Students graduating with Applied Studies Diploma or Certificate of Program Completion

Credits: 1

Course Code: 9087

This course teaches students to make informed career and continuing education choices as they transition from school, gain technical skills, and adapt to the workplace. Students are taught ethical behaviors and career-research, job-acquisition, workplace-communication, self-awareness, self-advocacy, customer-service, and life skills. This course offers students integrated labor market needs through an applied employment education format.

## **MARKETING EDUCATION**

### **Program Overview:**

Minimum Requirement for Program Concentration: Two (2) Occupational Experience Courses (Marketing and Advanced Marketing)

Recommended for Career and Technical Education Specialization: Two (2) Cooperative Education Courses (COE) or One (1) COE and Travel and Tourism.

### **FUNDAMENALS OF MARKETING**

Semesters: 1

Grade: 10-11

Prerequisite: None

Credits: 1

Course Code: 8110

Students gain a basic understanding of marketing and its importance and develop fundamental, social, economic, mathematical, marketing, job search, and occupational decision-making skills necessary for successful initial employment in retail, wholesale, or service businesses.

### **MARKETING (CO-OP)**

Semesters: 1

Grade: 11-12

Prerequisite: None

Credits: 1 or 2 (2<sup>nd</sup> credit at completion of CO-OP)

Course Code: 8120

Students examine activities in marketing and business important for success in marketing employment and postsecondary education. Students will learn how products are developed, branded, and sold to businesses and consumers. Students will analyze industry trends and gain hands-on experience in the marketing of goods, services, and ideas. Topics will include professionalism in the workplace, product planning and positioning, promotion, pricing, selling, economic issues, and the impact of technology on the marketplace. This course reinforces mathematics, science, English, and history/social science Standards of Learning (SOL). Computer/technology applications and DECA activities enhance the course. DECA, the co-curricular student organization, offers opportunities in leadership, community, and competitive events.

In addition to the classroom requirements, students may earn a second credit by completing the Cooperative Education (CO-OP) requirements. Cooperative Education is a career preparation WBL method that combines CTE classroom instruction with paid employment that is directly related to the student's plan of study. The school and the employer plan, coordinate, and supervise the instruction and employment so that each contributes directly to the student's career objectives

and employability. Students may earn credit toward graduation for cooperative education experiences, and they normally work between 11 and 15 hours per week to achieve a minimum of 396 hours.

### **ADVANCED MARKETING (CO-OP)**

Semesters: 1

Grade: 12

Prerequisite: Marketing

Credits: 1 or 2 (2<sup>nd</sup> credit at completion of CO-OP)

Course Code: 8130

Students build on knowledge gained in a prior Marketing course. Students participate in supervisory and management activities focusing on the marketing mix, purchasing, financing, human resources, global marketing, pricing, and emerging technologies. Students will prepare for advancement in marketing careers and postsecondary education. This course reinforces mathematics, science, English, and history/social science Standards of Learning (SOL). Computer/technology applications and DECA activities enhance the course. DECA, the co-curricular student organization, offers opportunities in leadership, community, and competitive events.

In addition to the classroom requirements, students may earn a second credit by completing the Cooperative Education (CO-OP) requirements. Cooperative Education is a career preparation WBL method that combines CTE classroom instruction with paid employment that is directly related to the student's plan of study. The school and the employer plan, coordinate, and supervise the instruction and employment so that each contributes directly to the student's career objectives and employability. Students may earn credit toward graduation for cooperative education experiences, and they normally work between 11 and 15 hours per week to achieve a minimum of 396 hours.

### **SPORTS, ENTERTAINMENT, AND RECREATION MARKETING**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1

Course Code: 1 8175

This introductory course helps students develop a thorough understanding of fundamental marketing concepts and theories as they relate to the sports, entertainment, and recreation industries. Students will investigate the components of branding, sponsorships and endorsements, as well as promotion plans needed for sports, entertainment and recreation events. The course also supports career development skills and explores career options. Academic skills (mathematics, science, English, and history/social science) related to the content are a part of this course.

## TECNOLOGY EDUCATION

### **Program Overview:**

Minimum Requirement for Program Concentration: Two (2) Courses Recommended for Career and Technical Education Specialization: Take all three (3) Courses of CAD for Dual Enrollment credit available when taking Architectural Drawing or Engineering Drawing as third course.

### **TECHNICAL DRAWING/DESIGN**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1

Course Code: 8435

In this foundation course, students learn the basic language of technical drawing and design, and they design, sketch, and make technical drawings, models, or prototypes of real design problems. The course is especially recommended for future engineering and architecture students.

### **ENGINEERING DRAWING/DESIGN**

Semesters: 1

Grade: 10-12

Prerequisite: Technical Drawing/Design

Credits: 1

Course Code: 8436

Students use a graphic language for product design, technical illustration, assembly, patent, and aeronautical drawings. They increase their understanding of drawing techniques learned in the prerequisite course. Students use computers, calculators, and descriptive geometry and adhere to established standards to solve design problems.

### **ARCHITECTURAL DRAWING/DESIGN**

Semesters: 1

Grade: 10-12

Prerequisite: Technical Drawing/Design

Credits: 1

Course Code: 8437

Students learn the principles of architecture while increasing their understanding of working drawings and construction techniques learned in the prerequisite course. Experiences include residential and commercial building designs, rendering, model making, structural details, and community planning. Students use computer-aided drawing and design (CAD) equipment and established standards or codes to prepare models for presentation. The course provides information helpful for the homeowner and is especially beneficial to the future architect, interior designer, or home builder.

## **TECHNOLOGY OF ROBOTIC DESIGN**

Semesters: 1

Grade: 9-12

Prerequisite: none

Credits: 1

Course Code: 8421

Students engage in the study of computers and microprocessors and their applications to manufacturing, transportation, and communication systems. Topics include computer equipment and operating systems, robotics, programming, control systems, and social/cultural impact of these technologies. Problem-solving activities challenge students to design, program, and interface devices with computer systems. Learning activities include robotics, computer-aided design, computer-aided manufacturing and design, and control of electromechanical devices.

## **ELECTRONICS SYSTEMS I**

Semesters: 1

Grade: 9-12

Prerequisite: none

Credits: 1

Course Code: 8416

Electronic devices are everywhere in modern life and business, and, as a result, opportunities abound for any who should master the knowledge and skills required to design, alter, repair, and construct them. This course allows students the opportunity to explore principles of electricity, apply knowledge in mathematics and science, and conduct experiments with electronics.

Students solve problems using simple electrical devices and circuits and build electronic projects using DC and AC devices and circuits.

## **ELECTRONICS SYSTEMS II**

Semesters: 1

Grade: 10-12

Prerequisite: Electronic Systems I

Credits: 1

Course Code: 8412

Students work with electronics devices, instruments, and circuits, building and designing devices to apply theories and laws with electronic components such as resistors, capacitors, and transistors. They also study integrated circuits used in computers, amplifiers, television, and other equipment.



## **ENGINEERING EXPLORATIONS I**

Semesters: 1

Grade: 9-12

Prerequisite: Recommended Technical Drawing/Design

Credits: 1

Course Code: 8450

Students examine technology and engineering fundamentals in relation to solving real-world problems. Students investigate engineering history, including major engineering achievements, and they examine the principle engineering specialty fields and their related careers. Students practice engineering fundamentals, using mathematical and scientific concepts, and they apply the engineering design process through participation in hands-on engineering projects. Students communicate project-related information through team-based presentations, proposals, and technical reports.

## **ENGINEERING STUDIES**

Semesters: 1

Grade: 11-12

Prerequisite: Engineering Explorations I

Credits: 1

Course Code: 8491

This course is designed for students who intend to pursue engineering studies in college. Engineering Studies prepares students by emphasizing integration of mathematics, science, and English concepts and skills into engineering problems in a curriculum demanding rigorous study habits and other college-level skills. Students are encouraged to become routinely inquisitive through brainstorming and prototyping. Students practice basic engineering skills and communication of technical information while applying the engineering design process to complete an engineering project.

## **ENGINEERING ANALYSIS AND APPLICATIONS II**

Semesters: 1

Grade: 10-12

Prerequisite: Engineering Explorations I

Credits: 1

Course Code: 8451

This course will allow students to apply the engineering design process to areas of the designed world, explore ethics in a technological world, and examine systems in civil, mechanical, electrical, and chemical engineering. Students will participate in STEM-based, hands-on projects as they communicate information through team-based presentations, proposals, and technical reports.

### **ENGINEERING CONCEPTS AND PROCESSES III**

Semesters: 1

Grade: 11-12

Prerequisite: Engineering Analysis and Applications II

Credits: 1

Course Code: 8452

This course will enable students to solve real-world problems. This course focuses on building an engineering team, working with case studies, managing projects, applying logic and problem-solving skills, delivering formal proposals and presentations, and examining product and process trends. In addition, students continue to apply their engineering skills to determine whether they are good candidates for postsecondary educational opportunities in engineering. Students will participate in STEM-based, hands-on projects as they communicate information through team-based presentations, proposals, and technical reports.

### **ENGINEERING PRACTICUM IV**

Semesters: 1

Grade: 11-12

Prerequisite: Engineering Analysis and Applications II, Engineering Concepts and Processes III

Credits: 1

Course Code: 8453

This course will enable students to examine technology and engineering fundamentals related to solving real-world problems. Students examine ethics and intellectual property and design a practicum project, a culmination of knowledge and skill gained in the previous engineering courses. In addition, students continue to investigate a variety of engineering specialty fields and related careers to determine whether they are good candidates for postsecondary educational opportunities in engineering.

## **FAMILY AND CONSUMER SCIENCES**

### **Program Overview:**

Minimum requirements for program completion: Two (2) courses

### **FAMILY RELATIONS**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1

Course Code: 8225

Family Relations focuses on analyzing the significance of the family; nurturing human development in the family throughout the life span; analyzing factors that build and maintain healthy family relationships; developing communication patterns that enhance family relationships; dealing effectively with family stressors and conflicts; managing work and family roles and responsibilities; and analyzing social forces that influence families across the life span.

### **INDIVIDUAL DEVELOPMENT**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1

Course Code: 8210

Students enrolled in Individual Development focus on encouraging personal potential of self and others throughout the life span; enhancing positive views of self and others; managing stressful situations; formulating a plan to achieve career goal; forming healthy, caring relationships with family members and peers; managing conflict; choosing responsible ways to express themselves; and evaluating the importance of responsible parenting to individuals, families, and society. Teachers highlight basic skills of math, science, and communication when appropriate in the content.

### **NUTRITION AND WELLNESS**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1

Course Code: 8229

Nutrition and Wellness focuses on making choices that promote wellness and good health; analyzing relationships between psychological and social needs and food choices; choosing foods that promote wellness; obtaining and storing food for self and family; preparing and serving nutritious meals and

snacks; selecting and using equipment for food preparation; and identifying strategies to promote optimal nutrition and wellness of society.

### **CHILD DEVELOPMENT AND PARENTING**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1

Course Code: 8232

Students enrolled in Parenting focus on assessing the impact of the parenting role in society; taking responsibility for individual growth within the parenting role; preparing for healthy emotional and physical beginning for parent and child; meeting developmental needs of children and adolescents; building positive parent-child relationships; using positive guidance and discipline to promote self-discipline, self-respect, and socially responsible behavior; obtaining parenting information, support, and assistance; and planning ways that families and society can share in nurturing children and adolescents. Teachers highlight the basic skills of math, science, and communication when appropriate in the content.

### **INDEPENDENT LIVING**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1

Course Code: 8219

Students explore successful strategies for living independently by actively participating in practical problem solving focusing on relating to other (relationships); applying financial literacy; managing resources in the areas of apparel, nutrition and wellness, and housing; using leadership skills to reach individual goals; planning for careers; and making consumer choices in a global environment.

## **CULINARY ARTS**

### **Program Overview:**

Minimum Requirements for Program Completion: Culinary Arts I, Culinary Arts II and Culinary Arts III.

### **INTRO TO CULINARY ARTS**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1

Course Code: 8250

The Course focus is on identifying and explaining the individual careers with the food service industry. Students study food science and technology, dietetics and nutrition services, diverse cuisines and service styles, current food trends, food and beverage production and preparation, and food safety and sanitation.

### **CULINARY ARTS I**

Semesters: 2

Grade: 9-12

Prerequisite: None

Credits: 2

Course Code: 8275

Students prepare for managerial, production, and service skills used in government, commercial, or independently owned institutional food establishments and related food industry occupations. Their study includes food and food products; basic nutrition, sanitation, and food safety; the use and care of commercial equipment; serving techniques, and the operation of institutional food establishments. Teachers highlight the basic skills of math, science, and communication when appropriate in content.

### **CULINARY ARTS II**

Semesters: 2

Grade: 10-12

Prerequisite: Culinary Arts I

Credits: 2

Course Code: 8276

Students extend and expand skills learned in Culinary Arts I, preparing for occupations such as chef/cook, baker/pastry helper, pastry decorator, hospitality worker, dietetic aide/assistant, food demonstrator, mixologist, and entrepreneur. The ProStart Program Certifications (Levels I and/or 2) is available through the Education Foundation of the National Restaurant Association.

### **CULINARY ARTS III-SPECIALIZATION**

Semesters: 2

Grade: 11-12

Prerequisite: Culinary Arts II

Credits: 2

Course Code: 8279

The Culinary Arts Specialization curriculum provides students with continuing opportunities to obtain comprehensive knowledge of the food service industry as well as to expand their technical skills in a food service specialty. Students explore careers and refine their skills in implementing safety and sanitation standards, applying nutritional principles, planning menus, using business and math skills, and selecting and maintaining food service equipment.

## **Virginia Teachers for Tomorrow**

### **INTRODUCTION TO VIRGINIA TEACHERS FOR TOMORROW**

Semesters: 1

Grade: 9-10

Prerequisite: None

Credits: 1

Course Code: 9061

This exploratory course fosters student interest, understanding, and appreciation of the teaching profession and allows students an introduction to careers in education. Students are taught to develop self-awareness, collaborate and communicate with peers, build positive learning environments, and discover learning differences of others. The curriculum is designed to help students set attainable goals in the Education and Training Career Cluster. This course introduces students to the high school Virginia Teachers for Tomorrow (VTfT) program.

### **VIRGINIA TEACHERS FOR TOMORROW I**

Semesters: 1

Grade: 10-12

Prerequisite: None

Credits: 1

Course Code: 9062

Virginia Teachers for Tomorrow (VTfT) fosters student interest, understanding, and appreciation of the teaching profession and allows secondary students to explore careers in education. Students build a foundation for teaching; learn the history, structure and governance of teaching; apply professional teaching techniques in the VTfT classroom and field experience; and reflect on their teaching experiences. Additional educational leadership opportunities are offered through the student organization, Educators Rising.

### **VIRGINIA TEACHERS FOR TOMORROW II**

Semesters: 1

Grade: 11-12

Prerequisite: None

Credits: 1

Course Code: 9072

Students continue to explore careers in the Education and Training Career Cluster and pathways. This course provides the opportunity for students to prepare for careers in education as they research postsecondary options, learn about the process of teacher certification in Virginia, and participate in a practicum experience.

## **INTRODUCTION TO EARLY CHILDHOOD, EDUCATION, AND SERVICES**

Semesters: 1

Grade: 9-12

Prerequisite: None

Credits: 1

Course Code: 8234

Students are introduced to early childhood education career opportunities and explore topics such as child development, safe and healthy environments for children, and developmentally appropriate practice that supports child development. Leadership opportunities are available through the co-curricular student organization.

## **EARLY CHILDHOOD, EDUCATION, AND SERVICES I**

Semesters: 1

Grade: 11-12

Prerequisite: None

Credits: 1

Course Code: 8285

Students prepare to be primary providers of home-, family-, or institution-based childcare services by focusing on the planning, organizing, and conducting of meaningful play and learning activities; child monitoring and supervision; recordkeeping and referral procedures; and work-based learning experiences in on-site labs, local daycare centers, elementary schools, and other institutions under the supervision of the instructor. Students also prepare for continuing education leading to careers in early childhood fields (e.g., medical, social services, education).

## **Early Childhood, Education, and Services II**

Semesters: 1

Grade: 11-12

Prerequisite: None

Credits: 1

Course Code: 8286

Students focus on occupational skills needed by personnel employed in early childhood-related careers, such as education, medical/health care, social services, counseling, psychology, and entrepreneurship. Work-based learning experiences in on-site labs, early childhood development centers, elementary schools, and other institutions under the supervision of the instructor are required.



## **BADGER TECHNICAL CENTER CAREER & TECHNICAL EDUCATION PROGRAMS**

For the current school year, seven different occupational training programs will be offered at Badger Technical Center. They are:

- Automotive Technology
- Carpentry
- Computer Systems Technology  
(Computer repair & Computer networking program)
- Cosmetology
- Health & Medical Sciences (Nurse Aide)
- Heating, Ventilation, Air Conditioning, and Refrigeration
- Welding

Students may apply to these programs of study during their sophomore or junior year. **See the Guidance Office for the application.** First year students stay one block a day for the entire school year (two semesters) with the exception of nurse aide classes. Second and third year students stay two blocks (half of their school day) for the entire school year (both semesters). Students completing these programs must attain high competency levels based on current industry standards in the field. They receive a certificate of competency attainment upon completion of the program to use for employment purposes.

Industry certification is available for all Badger Technical Center programs. Students who complete a career and technical education program sequence and pass an examination or occupational competency assessment in a career and technical education field that confers certification; or earn an occupational competency credential from a recognized industry, trade, or professional organization; or acquire a professional license in a career and technical education field from the Commonwealth of Virginia may substitute the certification, competency credential, or license for (i) the student-selected verified credit and (ii) either a science or history and social science verified credit when the certification, license, or credential confers more than one verified credit. The examination or occupational competency assessment must be approved by the Board of Education as an additional test to verify student achievement. A list of the approved certifications and licensure examinations is available in the counseling office at each high school. Accomack County Public Schools will only pay for the first two (2) attempts of a Badger Technical Industry Certification test.

## **BADGER TECHNICAL CENTER PROGRAMS OF STUDY**

### **Automotive Technology Badger North Campus**

Automotive Technology is an A.S.E. certified Program. Students in this program follow a course of study that follows Automotive Service Excellence guidelines for an entry level certified Auto Tech. Areas to be studied are brakes, suspension and steering, electrical/electronic systems, and engine performance. While there are no prerequisites for this program, the student should have strong reading and math skills.

#### **AUTOMOTIVE TECHNOLOGY I**

Semesters: 2  
Grade: 10-11  
Prerequisite: None  
Credits: 2  
Course Code: 8506

Students will learn about the automotive career and certification opportunities and about safety skills needed to practice in an automotive service center, and will be introduced to the Automotive Systems and gain the basic fundamental knowledge on automobile functions and service. Students will also work in the lab servicing vehicles.

#### **AUTOMOTIVE TECHNOLOGY II**

Semesters: 2  
Grade: 11-12  
Prerequisite: Auto Technology I  
Credits: 3 or 4  
Course Code: 8507

Students will begin to learn the skills for the ASE steering, suspension, alignment, brake, and electrical systems. Students will receive a mixture of classroom instruction and lab practice. Students will need to earn 100 hours in steering, suspension, and alignment systems, 100 hours with brake systems, and 120 hours with the electrical systems. Successful students will take ASE exam upon completion of course.

#### **AUTOMOTIVE TECHNOLOGY III**

Semesters: 2  
Grade: 12  
Prerequisite: Auto Technology II  
Credits: 3 or 4  
Course Code: 8508

Students will study the electronic systems in more detail while earning independent lab time

to practice their skills on all vehicle systems. Timed performance will be practiced. The completion of two of these courses will provide the student with career and technical education completer status and a certificate. Badger Technical Center has an articulation agreement with ATI (Advanced Technology Institute) to receive ten semester hour credits. Employment opportunities are very good in this area and ASE is nationally recognized. Continuing programs of study are available in Automotive Service Technology at the post-secondary level.

**Certification Opportunities:**

- ASE Certification Examinations
- ASE Entry-Level Certification Examinations
- Automotive Technician Advanced Assessment
- Automotive Technician Core Assessment
- College and Work Readiness Assessment (CWRA+)
- Customer Service Examination
- Customer Service Specialist (CSS) Examination
- Mobile Communications and Electronics Installer (MCEI) Examination
- National Career Readiness Certificate Assessment
- Professional Communications Certification Examination
- Virginia Motor Vehicle Safety Inspection Program Examination
- Workplace Readiness Skills for the Commonwealth Examination

**Verified Credits:** Students have the opportunity to earn a verified credit by successfully passing an ASE Certification exam.

**Career Cluster: Transportation, Distribution, and Logistics:**

**Occupations:**

- Aircraft Mechanic and Service Technician
- Aircraft Structure, Surfaces, Rigging, and Systems Assembler
- Automotive Body and Related Repairer
- Automotive Glass Installer and Repairer
- Automotive Service Technician, Mechanic
- Diesel Service Technician
- Electrical and Electronic Installer
- Electrical and Electronic Repairer
- Marine Watercraft Repair and Maintenance
- Worker Motorboat Mechanic
- Service Technician
- Small Engine Mechanic

**Recommended Post-Secondary Education:** ATI (Advanced Technical Institute, Delaware Technical & Community College, Nashville Auto-Diesel College, Wyoming Technical Institute, and Ohio Technical College

**This program is a participating member of the Skills USA organization and is also offered as an adult education course.**

## BADGER AUTO TECHNOLOGY PROGRAM CURRICULUM NANDUA/ARCADIA/CHINCOTEAGUE HIGH SCHOOLS

English 4, History 3 or 4, Science 3 or 4, Math 3 or 4, Technical 6-10, Electives 5

For any standard diploma, a minimum of 13 credits must be earned from the areas of English, math, science and social studies. No more than 4 credits from a single discipline can count toward meeting the 13-credit requirement.

### Example:

SUBJECT	GRADE 9	GRADE 10	GRADE 11	GRADE 12
<b>ENGLISH</b>	English 9 (1130, 1132)	English 10 (1140, 1142)	English 11 (1150, 1152)	English 12 (1160)
<b>MATH*</b>	Algebra I-Part I&II (3131 & 3132) OR Algebra I (3130)	Geometry Part I & II (3144 & 3145) OR Geometry (3143)	Algebra II (3135) OR AFDA (3134) OR Probability & Statistics (3190)	
<b>SCIENCE</b>	Earth Science (4120) OR Environmental Science (3003)	Biology I (4310)	Physics (4510) OR Chemistry (4410) OR Equivalent	Elective Science
<b>SOCIAL SCIENCE</b>	World Geography (2210)	World History I & World Geography (2215)	VA/US History (2360, 2361)	VA/US Government (2440)
<b>ECONOMICS AND PERSONAL FINANCE</b>			Economics & Personal Finance (6120)	
<b>HEALTH/PHYS. ED</b>	HPE 9 (7300)	HPE 10 (7400)		
<b>OCCUPATIONAL COURSES</b>	Digital Applications (6611)	Accounting (6320)	Auto Tech I (8506)	Auto Tech II (8507)
<b>OCCUPATIONAL COURSES</b>	Principles of Business (6115)	Art I (9120)	Auto Tech II (8507)	Auto Tech III (8508)
<b>ELECTIVE</b>			Auto Tech II (8507)	Auto Tech III (8508)

\*Math must include Algebra I (or equivalent), Geometry (or equivalent) and one additional math course at or above the level of Algebra II.

## **Carpentry**

### **Badger South Campus**

This program prepares students for successful transition into postsecondary education for careers in carpentry and related fields, such as construction management, architecture, and others. Students are taught the safe use of hand and power tools common to the industry to complement their Construction Industry OSHA 10 safety credential earned in Carpentry I. This program allows students to gain in-depth knowledge and hands-on experience in construction skills.

#### **CARPENTRY I**

Semesters: 2  
Grade: 10-11  
Prerequisite: None  
Credits: 2  
Course Code: 8601

This course is an emphasis on safety, students are taught to use hand and power tools, cut stock, apply construction mathematics, interpret blueprints, and understand basic rigging. Students will become proficient in identifying types of residential construction components to frame walls, floors, ceilings, roofs, doors, and windows. All students will obtain the required Construction Industry OSHA 10 safety credential.

#### **CARPENTRY II**

Semesters: 2  
Grade: 11-12  
Prerequisite: Carpentry I  
Credits: 3 or 4  
Course Code: 8602

Students will become proficient in assembling and installing various types of residential construction components according to industry standards, including forming foundations, framing floors, walls, ceiling, roofs, trusses, roofing materials, stairs, and exterior doors and windows.

#### **CARPENTRY III**

Semesters: 2  
Grade: 12  
Prerequisite: Carpentry II  
Credits: 3 or 4  
Course Code: 8603

Students explore specialized areas in carpentry, such as building decks and porches, alternative framing, interior finishes, drywall installation and finishing, as well as energy efficiency and green technology. Exploration of licensure requirements and entrepreneurial opportunities are emphasized.

The completion of two of the three courses will provide the student with career & technical education completer status and a certificate. Employment opportunities are expanding locally in this field and continuing programs of study at the college level are available in Carpentry.

**Certification Opportunities:**

- OSHA 10
- Carpentry Examination
- Carpentry Level One Entry-Level Assessment
- College and Work Readiness Assessment CWRA+)
- Construction Technologist Entry-Level Assessment
- Core: Introductory Craft Skills Entry-Level Assessment
- Customer Service Examination
- Customer Service Specialist (CSS) Examination
- HBI/NAHB Residential Construction Academy (RCA) Series Student Certification Assessments
- ICC Certificates of Completion Examinations
- International Code Council Residential Building Inspector (B1) Examination
- National Career Readiness Certificate Assessment
- Pre-Apprenticeship Certificate Training (PACT) Core Examinations
- Professional Communications Certification Examination
- Workplace Readiness Skills for the Commonwealth Examination

**Verified Credits:** Students have the opportunity to earn a verified credit by passing the Carpentry Assessment, Carpentry Examination, or the Carpentry Level One Entry-Level Assessment

**Career Cluster: Architecture and Construction:**

**Occupations:**

- Carpenter Construction and Building Inspector
- Construction Manager
- Drywall Installer
- General Contractor
- Project Manager
- Roofer
- Building Code Inspector
- Cost Estimator
- Restoration Technician

**Recommended Post-Secondary Education:** Eastern Shore Community College, Virginia Tech University, The Apprentice School, East Carolina University, and J. Sargeant Reynolds Community College

**This program is a participating member of the Skills USA organization and is also offered as an adult education course.**

# **BADGER CARPENTRY PROGRAM CURRICULUM**

## **NANDUA/ARCADIA/CHINCOTEAGUE HIGH SCHOOLS**

English 4, History 3 or 4, science 3 or 4, Math 3 or 4, Technical 6-10, Electives 5

For any standard diploma, a minimum of 13 credits must be earned from the areas of English, math, science and social studies. No more than 4 credits from a single discipline can count toward meeting the 13-credit requirement.

**Example:**

<b>SUBJECT</b>	<b>GRADE 9</b>	<b>GRADE 10</b>	<b>GRADE 11</b>	<b>GRADE 12</b>
<b>ENGLISH</b>	English 9 (1130, 1132)	English 10 (1140, 1142)	English 11 (1150, 1152)	English 12 (1160)
<b>MATH*</b>	Algebra I-Part I&II (3131 & 3132) OR Algebra I (3130)	Geometry Part I & II (3144 & 3145) OR Geometry (3143)	Algebra II (3135) OR AFDA (3134) OR Probability & Statistics (3190)	
<b>SCIENCE</b>	Earth Science (4120)	Biology I (4310)	Physics (4510) OR Chemistry (4410) OR Equivalent	Elective Science
<b>SOCIAL SCIENCE</b>	World Geography (2210)	World History I & World Geography (2215)	VA/US History (2360, 2361)	VA/US Government (2440)
<b>ECONOMICS AND PERSONAL FINANCE</b>			Economics & Personal Finance (6120)	
<b>HEALTH/PHYS.ED</b>	HPE 9 (7300)	HPE 10 (7400)		
<b>OCCUPATIONAL COURSES</b>	Digital Applications (6611)	Accounting (6320) OR Basic Technical Drawing (8435)	<u>Carpentry I (8601)</u> <u>OR II (8602)</u>	<u>Carpentry I (8601)</u> <u>OR II (8602)</u>
<b>OCCUPATIONAL COURSES</b>	Principles of Business (6115)	Art I (9120)	<u>Carpentry I (8601)</u> <u>OR II (8602)</u>	
<b>ELECTIVE</b>			<u>Carpentry I (8601)</u> <u>OR II (8602)</u>	

\*Math must include Algebra I (or equivalent), Geometry (or equivalent) and one additional math course at or above the level of Algebra II.

## **Computer Systems Technology**

### **Badger North Campus**

Students in this program will construct, troubleshoot, service and repair computer systems, related components and software. They will also learn to install and maintain local area networks.

#### **COMPUTER SYSTEMS TECHNOLOGY I**

Semesters: 2

Grade: 10-11

Prerequisite: None

Credits: 2

Course Code: 8622

Students will be introduced to hardware and software, the boot process and command line, electricity and power supplies, the motherboard, managing memory, management floppy drives, hard drive installation, hard drives protection and optimization I/O device support.

#### **COMPUTER SYSTEMS TECHNOLOGY II**

Semesters: 2

Grade: 11-12

Prerequisite: Computer Systems Technology I

Credits: 3 or 4

Course Code: 8623

This advanced course provides students with training in procedures for optimizing and troubleshooting concepts for computer systems, subsystems, and networks. Students explore the following:

- Basic network design and connectivity
- Network documentation
- Network limitations and weaknesses
- Network security, standards and protocols

Students will gain a basic understanding of emerging technologies including unified communications, mobile, cloud, and virtualization technologies. The course prepares students for postsecondary education and training and a successful career in information technology. Upon successful completion of the course, students may qualify to take CompTIA's A+ and Network+ certification exams.



### **Certification Opportunities:**

- A+ Certification Examination
- Business Information Processing Assessment
- College and Work Readiness Assessment (CWRA+)
- Computer Maintenance Technology Examination
- Computer Networking Fundamentals Assessment
- Computer Repair Technology Assessment
- Computer Service Technician (CST) Examination
- Computer Technology Assessment
- Customer Service Examination
- Customer Service Specialist (CSS) Examination
- IC3 Digital Literacy Certification Examination
- IT Fundamentals+ Certification Examination
- Microsoft 365 Fundamentals Examination
- Microsoft Certified Azure Fundamentals Examination
- Microsoft Dynamics 365 Fundamentals Examination
- Microsoft Office Specialist (MOS) Examinations
- Microsoft Technology Associate (MTA) Examinations
- National Career Readiness Certificate Assessment
- Network Administration Certification Tests
- Professional Communications Certification Examination
- Security+ Certification Examination
- Technical Support Certification Tests
- Workplace Readiness Skills for the Commonwealth Examination

**Verified Credits:** Students have the opportunity to earn a verified credit by passing the Computer Repair Technology Assessment, Computer Service Technician (CST) Examination, or Computer Technology Assessment.

### **Career Cluster: Information Technology**

#### **Occupations:**

- Computer Support Specialist
  - Computer Technician
  - Computer Service Technician
  - Field Support Technician
  - Help Desk Technician
  - Service Center Technician
  - Computer Operator

**Recommended Post-Secondary Education:** Eastern Shore Community College, ECPI College of Technology, ITT Technical Institute, and Wor-Wic Community College

**This program is a participating member of the Skills USA organization and is offered as an adult education course.**

## BADGER COMPUTER SYSTEMS TECHNOLOGY PROGRAM CURRICULUM NANDUA/ARCADIA/CHINCOTEAGUE HIGH SCHOOLS

English 4, History 3 or 4, science 3 or 4, Math 3 or 4, Technical 6-10, Electives 5

For any standard diploma, a minimum of 13 credits must be earned from the areas of English, math, science and social studies. No more than 4 credits from a single discipline can count toward meeting the 13-credit requirement. For students traveling to a Badger program, a minimum of 13 credits must be earned.

### Example:

SUBJECT	GRADE 9	GRADE 10	GRADE 11	GRADE 12
<b>ENGLISH</b>	English 9 (1130, 1132)	English 10 (1140, 1142)	English 11 (1150, 1152)	English 12 (1160)
<b>MATH*</b>	Algebra I-Part I&II (3131 & 3132) OR Algebra I (3130)	Geometry Part I & II (3144 & 3145) OR Geometry (3143)	Algebra II (3135) OR AFDA (3134) OR Probability & Statistics (3190)	
<b>SCIENCE</b>	Earth Science (4120) OR Environmental Science (3003)	Biology I (4310)	Physics (4510) OR Chemistry (4410) OR Equivalent	Elective Science
<b>SOCIAL SCIENCE</b>	World Geography (2210)	World History I & World Geography (2215)	VA/US History (2360, 2361)	VA/US Government (2440)
<b>ECONOMICS AND PERSONAL FINANCE</b>			Economics & Personal Finance (6120)	
<b>HEALTH/PHYS.ED</b>	HPE 9 (7300)	HPE 10 (7400)		
<b>OCCUPATIONAL COURSES</b>	Digital Applications (6611)	CIS (6112) OR Engineering Drawing (8436)	Computer Sys Tech I (8622) OR II (8623)	Computer Sys Tech II (8623) OR III (8624)
<b>OCCUPATIONAL COURSES</b>	Principles of Business (6115) OR Basic Technical Drawing (8435)	Art I (9120)	Computer Sys Tech II (8623)	Computer Sys Tech III (8624)
<b>ELECTIVE</b>		Advanced CIS (6613)	Computer Sys Tech II (8623)	Computer Sys Tech III (8624)

\*Math must include Algebra I (or equivalent), Geometry (or equivalent) and one additional math course at or above the level of Algebra II.

## **Cosmetology**

### **Badger North Campus**

Students taking this two-year program of study receive training in shampooing, manicuring, facial massages, scalp treatment, hair cutting and styling and salon management. They chemically straighten, color, permanent wave, thermal press, and curl hair. Instruction also includes needed technical knowledge in bacteriology and sanitizing, anatomy, physiology and chemistry. Students study and prepare in a clinical lab setting, using mannequins and live models for manipulative skill practice. Emphasis is placed on safety, sanitation, communication and management skills.

#### **COSMETOLOGY I**

Semesters: 2

Grade: 10-11

Prerequisite: None

Credits: 1 or 2

Course Code: 8527

In this introductory course, students study hair, skin, and nails and their related care. Students are grounded in theory as they prepare to practice procedures in a clinical lab setting or classroom, using manikins for manipulative skill practice. The first-year course emphasizes personal safety, professionalism, and sanitation and disinfection of equipment and facilities. Students develop skills in shampooing and conditioning hair, as well as styling and cutting hair. They are introduced to chemical texture services and develop skills in manicure and pedicure procedures.

#### **COSMETOLOGY II**

Semesters: 2

Grade: 11-12

Prerequisite: Cosmetology I & Social Security Number is required to take State Board Exam

Credits: 3 or 4

Course Code: 8528

In this continuing course, students build on their theoretical foundation of general sciences and practices in cosmetology to increase proficiency in hair cutting and styling on live models, with attention to professionalism, client consultation, safety, and infection control. Students are trained in safe chemical processes related to permanent waves, relaxers, lightening, and coloring hair. In addition, students learn to care for skin, hands, and feet, developing experience in providing facials, manicures, pedicures, and nail enhancements. Students will be introduced to a business management unit with a focus on managing the salon.

The completion of two of these courses will provide the student with career and technical education completer status and a certificate. Employment opportunities in this career field are varied and widely available and varied.

### **Certification Opportunities:**

- College and Work Readiness Assessment (CWRA+)
- Cosmetology Assessment
- Cosmetology Examination (Virginia State Board of Registered Professional Hairdressers License, and Social Security Number is required to take State Board Exam.)
- Customer Service Examination
- Customer Service Specialist (CSS) Examination
- National Career Readiness Certificate Assessment
- Professional Communications Certification Examination
- Workplace Readiness Skills for the Commonwealth Examination

**Verified Credits:** The student has the opportunity to earn a verified credit by passing the Virginia Board of Barbers and Cosmetology exam (VDPOR).

### **Career Cluster: Human Services**

#### **Occupations:**

- Barber
- Cosmetologist
  - Stylist Assistant
  - Salon Stylist
  - Skin Care Specialist
  - Session Stylist
  - Platform Artist
  - Distributor
  - Instructor
- Nail Technician/Manicurist

**This program is a participating member of the Skills USA organization and is offered as an adult education course.**

## BADGER COSMETOLOGY PROGRAM CURRICULUM NANDUA/ARCADIA/CHINCOTEAGUE HIGH SCHOOLS

English 4, History 3 or 4, science 3 or 4, Math 3 or 4, Technical 6-10, Electives 5

For any standard diploma, a minimum of 13 credits must be earned from the areas of English, math, science and social studies. No more than 4 credits from a single discipline can count toward meeting the 13-credit requirement. For students traveling to a Badger program, a minimum of 13 credits must be earned.

### Example:

SUBJECT	GRADE 9	GRADE 10	GRADE 11	GRADE 12
<b>ENGLISH</b>	English 9 (1130, 1132)	English 10 (1140, 1142)	English 11 (1150, 1152)	English 12 (1160)
<b>MATH*</b>	Algebra I-Part I&II (3131 & 3132) OR Algebra I (3130)	Geometry Part I & II (3144 & 3145) OR Geometry (3143)	Algebra II (3135) OR AFDA (3134) OR Probability & Statistics (3190)	
<b>SCIENCE</b>	Earth Science (4120) OR Environmental Science (3003)	Biology I (4310)	Physics (4510) OR Chemistry (4410) OR Equivalent	
<b>SOCIAL SCIENCE</b>	World Geography (2210)	World History I & World Geography (2215)	VA/US History (2360, 2361)	VA/US Government (2440)
<b>ECONOMICS AND PERSONAL FINANCE</b>			Economics & Personal Finance (6120)	
<b>HEALTH/PHYS.ED</b>	HPE 9 (7300)	HPE 10 (7400)		
<b>OCCUPATIONAL COURSES</b>	Accounting (6320)	Advanced Accounting (6321)	Cosmetology I (8527)	Cosmetology II (8528)
<b>OCCUPATIONAL COURSES</b>	Principles of Business (6115)	Office Administration (6621)	Cosmetology I (8527)	Cosmetology II (8528)
<b>ELECTIVE</b>			CIS (6612)	Cosmetology II (8528)

\*Math must include Algebra I (or equivalent), Geometry (or equivalent) and one additional math course at or above the level of Algebra II.

## **Health & Medical Services**

### **Badger South Campus**

The Nurse Aide Program emphasizes the study of basic nursing care skills necessary to function as a nurse aide in a long term care, acute care, or home health care setting. Students study normal growth and development, simple body structure and function; and medical terminology. An introduction to epidemiology and infection control measures is taught. Nurse Aide students learn how to provide assistance to the resident in all activities of daily living. Training is also received in nurse-patient relationships; measuring and recording of vital signs; cardiopulmonary resuscitation, and first aide. On-the-job instruction in nursing homes and hospitals is an integral part of the course.

#### **NURSE AIDE I**

Semesters: 1

Grade: 11

Co-requisite: Anatomy & Physiology

Credits: 1

Course Code: 8360

The Health and Medical Sciences program provides theory, laboratory and clinical experiences in the area of geriatrics as well as in the general health field. The Nurse Aide I is a single block; one semester course that introduces students to the allied health field. Development of basic skills is emphasized. Instruction covers principles of health, microbiology, first-aid, disease, and an overview of the national health and patient care systems. Students learn basic skills in dental assisting, laboratory assisting, medical assisting, and nursing assisting. Some basic secretarial skills are taught as well as employment and job seeking skills. Students should take Anatomy and Physiology in addition to the Health Occupations Program. Class time is divided between lecture and lab work in which the students practice acquired skills and are rated individually on a competency list.

#### **NURSE AIDE II**

Semesters: 2

Grade: 12

Prerequisite: Nurse Aide I and Social Security Number

Credits: 3 or 4

Course Code: 8362

Health and Medical Science II is a double block course in which emphasis is given to nursing assistant skills in long term and acute care settings. Supervised clinical experiences are offered in an intermediate care facility and an acute care facility. To promote career awareness, students are given an opportunity to choose areas of interest and participate in a "clinical of choice." During this time, students are placed in a variety of health care facilities and hospital departments to gain exposure in these areas. Students are individually rated on their competency lists on skills practice in lab and in the clinical area. Instruction in job seeking skills and job keeping skills is given. Students are responsible for providing their own

transportation to "clinical."

The completion of these courses will provide the student with career and technical education completer status and a certificate. Students completing this program of study will be eligible to sit for the National Nurse Aide Assessment Program exam to earn a Nurse Aide License. This program is appropriate for both males and females. Currently, job opportunities in this field are widely available.

**Certification Opportunities:**

- College and Work Readiness Assessment (CWRA+)
- Diagnostic Services Assessment
- EKG Technician Certification (ETC) Examination
- Health Assisting Assessment
- Health Informatics Assessment
- Home Health Aide Assessment
- National Career Readiness Certificate Assessment
- National Health Science Assessment
- Nurse Assisting Examination
- Nursing Assisting Assessment
- Therapeutic Services Assessment
- Workplace Readiness Skills for the Commonwealth Examination

**Verified Credits:** Students have the opportunity to earn a verified credit by passing the National Nurse Aide Assessment Program (NNAAP) exam.

**Career Cluster: Health Science**

**Occupations:**

- Certified Nurse Aide
- Home Health Aide
- Registered Nurse

**Career Cluster: Science, Technology, Engineering and Mathematics**

**Occupations:**

- Medical Records and Health Information Technician
- Nurse Practitioner
- Occupational Health and Safety Specialist
- Registered Nurse

**Recommended Post-Secondary Education:** Eastern Shore Community College, Wor-Wic Community College, and Tidewater Community College

## BADGER NURSE AIDE PROGRAM CURRICULUM NANDUA/ARCADIA/CHINCOTEAGUE HIGH SCHOOLS

English 4, History 3 or 4, science 3 or 4, Math 3 or 4, Technical 6-10, Electives 5

For any standard diploma, a minimum of 13 credits must be earned from the areas of English, math, science and social studies. No more than 4 credits from a single discipline can count toward meeting the 13-credit requirement. For students traveling to a Badger program, a minimum of 13 credits must be earned.

### Example:

SUBJECT	GRADE 9	GRADE 10	GRADE 11	GRADE 12
<b>ENGLISH</b>	English 9 (1130, 1132)	English 10 (1140, 1142)	English 11 (1150, 1152)	English 12 (1160)
<b>MATH*</b>	Algebra I-Part I&II (3131 & 3132) OR Algebra I (3130)	Geometry Part I & II (3144 & 3145) OR Geometry (3143)	Algebra II (3135) OR AFDA (3134) OR Probability & Statistics (3190)	
<b>SCIENCE</b>	Earth Science (4120) OR Environmental Science (3003)	Biology I (4310)	Human Anatomy & Physiology (4330)	Chemistry (4410)
<b>SOCIAL SCIENCE</b>	World Geography (2210)	World History I & World Geography (2215)	VA/US History (2360, 2361)	VA/US Government (2440)
<b>ECONOMICS AND PERSONAL FINANCE</b>			Economics & Personal Finance (6120)	
<b>HEALTH/PHYS.ED</b>	HPE 9 (7300)	HPE 10 (7400)		
<b>OCCUPATIONAL COURSES</b>	Art I (9120)	Office Administration (6621)	Nurse Aide I (8360)	Nurse Aide II (8362)
<b>OCCUPATIONAL COURSES</b>	Elective	Digital Applications (6611)	Elective	Nurse Aide II (8362)
<b>ELECTIVE</b>			Elective	Nurse Aide II (8362)

\*Math must include Algebra I (or equivalent), Geometry (or equivalent) and one additional math course at or above the level of Algebra II.



## **Heating, Ventilation, Air Conditioning and Refrigeration Badger South Campus**

Students in this program will install, troubleshoot, repair and maintain heating, air conditioning, refrigeration systems, heat pumps, and furnaces.

### **HVAC & R I**

Semesters: 2

Grade: 10-11

Prerequisite: None

Credits: 2

Course Code: 8503

In this first course of the instructional program, students are taught to professionally install, repair, and maintain the operating conditions of heating, air-conditioning, and refrigeration systems. Students work with piping and tubing, study the principles of heat and electricity, install duct systems, and comply with EPA regulations. Completion of the two-course sequence may prepare students for a number of certification exams, helpful for employment in a variety of HVACR occupations.

### **HVAC & R II**

Semesters: 2

Grade: 11-12

Prerequisite: HVAC & R I

Credits: 3 or 4

Course Code: 8504

This instructional program teaches students to professionally install, repair, and maintain the operating conditions of heating and cooling systems. Students also explore emerging technologies, EPA regulations and conservation techniques, and R-410A systems. Completion of this sequence may prepare students for a number of certification exams, helpful for employment in a variety of HVACR occupations.

## **Certification Opportunities:**

- Air Conditioning Employment Ready Examination
- Basic Refrigeration & Charging Procedures Employment Ready Examination
- Building Science Principles Examination
- Carbon Monoxide and Combustion Analysis Employment Ready Examination
- Carbon Monoxide Safety Employment Ready Examination
- College and Work Readiness Assessment (CWRA+)
- Combustion Appliance Zone (CAZ) Employment Ready Examination
- Core: Introductory Craft Skills Entry-Level Assessment
- Customer Service Examination
- Customer Service Specialist (CSS) Examination
- Electric Heat Employment Ready Examination
- Electrical Employment Ready Examination
- EPA Technician Examinations
- Fuel Oil Combustion Employment Ready Examination
- Gas Heat Employment Ready Examination
- HBI/NAHB Residential Construction Academy (RCA) Series Student Certification Assessments
- Heat Pump Employment Ready Examination
- Heating, Electrical, Air Conditioning Technology (HEAT) Examinations
- Heating, Ventilation, Air Conditioning (HVAC) Assessment
- Heating, Ventilation, Air Conditioning and Refrigeration (HVAC/R) Assessment
- HVAC Level One Entry-Level Assessment
- ICC Certificates of Completion Examinations
- Installer (or Service) Core (HVAC/R) Examination
- International Code Council Residential Mechanical (HVAC) Inspector (M1) Examination
- Light Commercial Refrigeration Employment Ready Examination
- National Career Readiness Certificate Assessment
- Natural Gas Combustion Employment Ready Examination
- Pre-Apprenticeship Certificate Training (PACT) Core Examinations
- Professional Communications Certification Examination
- Residential & Light Commercial Hydronic Heat Employment Ready Examination
- Workplace Readiness Skills for the Commonwealth Examination

**Verified Credits:** Students have the opportunity to earn a verified credit by passing the EPA Refrigerant Recovery and/or the HVAC Excellence Certification exams in electricity and air conditioning.

## **Career Cluster: Architecture and Construction**

### **Occupations:**

- Construction Manager
- Electrician General Contractor
- Project Manager
- Cost Estimator
- Mechanical Engineer
- General Contractor

- Restoration Technician

**Career Cluster: Energy**

**Occupations:**

- HVAC and Refrigeration Mechanic or Installer

**Career Cluster: Science, Technology, Engineering and Mathematics**

**Occupations:**

- Industrial Engineer
- Mechanical Engineer
- Quality Technician

**Recommended Post-Secondary Education:** Delaware Technical & Eastern Shore Community College

**This program is a participating member of the Skills USA organization and is offered as an adult education course.**

# BADGER HEATING, VENTILATION, AIR CONDITIONING, & REFRIGERATION PROGRAM CURRICULUM NANDUA/ARCADIA/CHINCOTEAGUE HIGH SCHOOLS

English 4, History 3 or 4, science 3 or 4, Math 3 or 4, Technical 6-10, Electives 5

For any standard diploma, a minimum of 13 credits must be earned from the areas of English, math, science and social studies. No more than 4 credits from a single discipline can count toward meeting the 13-credit requirement. For students traveling to a Badger program, a minimum of 13 credits must be earned.

**Example:**

SUBJECT	GRADE 9	GRADE 10	GRADE 11	GRADE 12
<b>ENGLISH</b>	English 9 (1130, 1132)	English 10 (1140, 1142)	English 11 (1150, 1152)	English 12 (1160)
<b>MATH*</b>	Algebra I- Part I&II (3131 & 3132) OR Algebra I (3130)	Geometry Part I & II (3144 & 3145) OR Geometry (3143)	Algebra II (3135) OR AFDA (3134) OR Probability & Statistics (3190)	
<b>SCIENCE</b>	Earth Science (4120) OR Environmental Science (3003)	Biology I (4310)	Physics (4510) OR Chemistry (4410) OR Equivalent	Elective Science
<b>SOCIAL SCIENCE</b>	World Geography (2210)	World History I & World Geography (2215)	VA/US History (2360, 2361)	VA/US Government (2440)
<b>ECONOMICS AND PERSONAL FINANCE</b>			Economics & Personal Finance (6120)	
<b>HEALTH/PHYS.ED</b>	HPE 9 (7300)	HPE 10 (7400)		
<b>OCCUPATIONAL COURSES</b>	Art I (9120)	Accounting (6320)	HVACR I (8503) OR II (8504)	HVACR II (8504) OR III (8505)
<b>OCCUPATIONAL COURSES</b>	Principles of Business (6115)	Digital Applications (6611)	HVACR II (8504)	HVACR III (8505)
<b>ELECTIVE</b>	Technical Drawing (8435)	Architectural Drawing (8437)	HVACR II (8504)	HVACR III (8505)

\*Math must include Algebra I (or equivalent), Geometry (or equivalent) and one additional math course at or above the level of Algebra II.

## **Welding**

### **Badger North Campus**

Students in this program will learn various arc welding and cutting processes and will produce welds according to blueprints, and written specifications.

#### **WELDING I**

Semesters: 2

Grade: 10-11

Prerequisite: None

Credits: 2

Course Code: 8672

Welding is required by a wide variety of industries—anywhere fusible materials and high heat are needed to manufacture, repair, or alter tools and products. Professional welders are in high demand and can earn accordingly. Students in Welding I are taught to use manual welding, cutting, and electrical arc welding processes to fabricate and join metal parts according to diagrams, blueprints, and specifications. Students will also learn all safety-related practices and techniques, including earning the OSHA 10 card.

#### **WELDING II**

Semesters: 2

Grade: 11-12

Prerequisite: Welding I

Credits: 3 or 4

Course Code: 8673

This course teaches advanced welding students how to fine-tune their craft and to perform welds in various positions, using multiple welding processes. Students prepare to pass relevant industry certifications. Welding is required by a wide variety of industries—anywhere fusible materials and high heat are needed to manufacture, repair, or alter products. Professional welders are in high-demand and can earn accordingly.

#### **WELDING III**

Semesters: 2

Grade: 12

Prerequisite: Welding II

Credits: 3 or 4

Course Code: 8674

This welding capstone course teaches the industry's emerging technologies and how to demonstrate gas tungsten arc welding (GTAW) and shielded metal arc welding (SMAW) pipe tests. Students are prepared to earn relevant industry credentials toward employment in production or manufacturing facilities.

The completion of two of these classes will provide the student with career and technical education completer status and a certificate. Badger Technical Center is an AWS Educational Institute member providing SENSE training. Employment opportunities and continuing programs of study at the college level are available in Welding.

**Certification Opportunities:**

- College and Work Readiness Assessment (CWRA+)
- Core: Introductory Craft Skills Entry-Level Assessment
- Customer Service Examination
- Customer Service Specialist (CSS) Examination
- Flux Core Arc Welding (FCAW) Examination
- Gas Metal Arc Welding Examination
- Gas Tungsten Arc Welding (GTAW) Examination
- Manufacturing Specialist Certification Examination
- Manufacturing Technician Level I Certification Examination
- National Career Readiness Certificate Assessment
- Professional Communications Certification Examination
- SENSE Training Program Certification Examination (Level 1, Entry-Level Welder)
- Shielded Metal Arc Welding (SMAW) Examination
- Welding Assessment
- Welding Examination
- Welding Level One Entry-Level Assessment
- Workplace Readiness Skills for the Commonwealth Examination

**Verified Credits:** Students have the opportunity to earn a verified credit by successfully passing the National Center for Construction Education and Research (NCCER) exam.

**Career Cluster: Manufacturing**

**Occupations:**

- Equipment Sales
- Equipment Repair
- Flame Cutter
- Tack Welder
- Occupational Health and Safety Specialist
- Millwright
- Welder

**Recommended Post-Secondary Education:** Newport News Shipbuilding -The Apprentice School, Eastern Shore Community College, The Lincoln Electric Welding School, Hobart Institute of Welding Technology, Ohio State University, and the Military

**This program is a participating member of the Skills USA organization and as an adult education course**

## BADGER WELDING PROGRAM CURRICULUM NANDUA/ARCADIA/CHINCOTEAGUE HIGH SCHOOLS

English 4, History 3 or 4, science 3 or 4, Math 3 or 4, Technical 6-10, Electives 5

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<b>SCIENCE</b>	Earth Science (4120) OR Environmental Science (3003)	Biology I (4310)	Physics (4510) OR Chemistry (4410) OR Equivalent	Elective Science
<b>SOCIAL SCIENCE</b>	World Geography (2210)	World History I & World Geography (2215)	VA/US History (2360, 2361)	VA/US Government (2440)
<b>ECONOMICS AND PERSONAL FINANCE</b>			Economics & Personal Finance (6120)	
<b>HEALTH/PHYS.ED</b>	HPE 9 (7300)	HPE 10 (7400)		
<b>OCCUPATIONAL COURSES</b>	Digital Applications (6611)	Accounting (6320)	Welding I (8672) OR Welding II (8673)	Welding II (8673) OR Welding III (8674)
<b>OCCUPATIONAL COURSES</b>	Principles of Business (6115)	Art I (9120)	Welding II (8673)	Welding III (8674)
<b>ELECTIVE</b>	Technical Drawing (8435)	Engineering Drawing (8436)	Welding II (8673)	Welding III (8674)

\*Math must include Algebra I (or equivalent), Geometry (or equivalent) and one additional math course at or above the level of Algebra II.

# **CAREER & TECHNICAL EDUCATION STUDENT ORGANIZATIONS**

Career and Technical Education Student Organizations are those organizations for students enrolled in CTE programs of study

**DECA (Distributive Education Clubs of America)** is a co-curricular vocational student organization designed to support and strengthen the marketing curriculum and instructional program by reinforcing academic concepts related to marketing.

Through participation in local, state, and national activities, DECA members develop a better understanding of the business world, increase awareness of their civic obligations, and develop social poise and leadership skills. The DECA program of work includes activities related to class work and participation in community projects, district meetings, and competitive events.

**FBLA (Future Business Leaders of America)** is the vocational student organization designed to develop personal employability and leadership skills for all individuals enrolled in business courses. Through participation in the organization, business students learn to engage in individual and group business enterprises, to hold office and direct the affairs of a group, to work with representatives of other student organizations, and to compete honorably with their colleagues.

**FCCLA (Family Career and Community Leaders of America)** is a student organization that helps youth assume their roles in society through Family and Consumer Science in areas of personal growth, family life, career and technical preparation, and community involvement.

**HOSA (Health Occupations Students of America)** is the recognized co-curricular student organization for approved Health Occupations Education programs and courses. Local HOSA activities reinforce the skills, knowledge, and behavior that contribute to successful employment.

**SKILLS USA** is an integral part of the instruction in all Trade and Industrial Education programs. Organizational activities provide opportunities for students to develop occupational skills and knowledge and encourage them to become better citizens. This part of the instructional program stresses personal leadership development and motivates students to excel in their chosen occupation.

**TSA (Technology Student Association)** activities are an integral part of the instructional program. TSA activities promote leadership qualities and high standards of craft quality, scholarship, and safety. Teachers integrate co-curricular TSA activities within their instruction by providing for students' involvement with the community's industrial and technological resources, Activities in parliamentary procedures and democratic decision making, and Recognition for exemplary performances.



# APPENDIX

## GOVERNOR'S *EARLY COLLEGE SCHOLARS* AGREEMENT

The responsibilities of each party are outlined herein and the corresponding signature assures acceptance of responsibility of each party.

### **The student agrees to:**

- Earn an Advanced Studies Diploma with a Governor's Seal. To receive a Governor's seal, students must:
  - Complete the requirements for the Advanced Studies Diploma;
  - Earn a "B" average or higher; and
  - Successfully complete college-level coursework that will earn the student at least nine transferable college credits in Advanced Placement (AP), International Baccalaureate (IB), Cambridge, or dual enrollment courses
- Earn at least 15 transferable college credits while enrolled in high school. College credits toward completion of this Agreement will be considered earned by:
  - Completing dual enrollment/dual credit courses and earning a "C" or better in the courses
  - Completing advanced placement courses i.e., AP, IB or Cambridge **and**
    - Scoring a "3" or higher on the AP examinations **or**
    - Scoring a "4" or higher on any form of the IB examinations **or**
    - Scoring a "D" or better on the Cambridge examinations
  - Earning college credits by passing College Level Examination Program (CLEP) examinations
  - Completing college-level courses and documenting credit awarded
- Apply and be accepted to a college or university

\_\_\_\_\_  
Student Name (Printed)

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

### **The parent/guardian agrees to:**

- Support and monitor student's academic work and progress in school, particularly as it relates to fulfillment of the requirements for the Governor's *Early College Scholars* Agreement.

**I understand that the actual number of transferable college credits awarded depends on the criteria of the admitting college or university.**

\_\_\_\_\_  
Parent/Guardian Signature

\_\_\_\_\_  
Date

### **The high school agrees to:**

- Provide the student opportunities to access college-level courses and/or advanced placement courses needed to fulfill this agreement.
- Provide the counseling services needed to fulfill the requirements of the Governor's *Early College Scholars* Agreement, including assisting students in developing a program of study.
- Provide the Virginia Department of Education with data regarding participation and completion of the Governor's *Early College Scholars* program.

\_\_\_\_\_  
High School Principal Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
School Counselor

\_\_\_\_\_  
Date

## Credit Accommodations at a Glance

Accommodation	Available to All Students	Students with Disabilities (IEP and 504) who Qualify for Credit Accommodations
<b>Alternative Assessments</b>	N/A	VMAST (EOC English Reading) <i>The VMAST EOC Reading assessment will no longer be available after the 2018-2019 school year</i>
<b>Expanded Score Range for Expedited Retake</b>	N/A	Students with a scaled score between 350-374 are eligible for an expedited retake on that test with the exception of English Writing. No expedited retakes are available in English Writing.
<b>Expanded Use of Locally Awarded Verified Credit (LAVC)</b>	<p>Mathematics, English Reading and Writing, Science and History/Social Sciences</p> <ul style="list-style-type: none"> <li>Students who entered the ninth grade for the first time prior to 2018-2019 are limited to three LAVC in any subject that may be applied toward a Standard Diploma.</li> <li>Students entering the ninth grade for the first time in 2018-2019 and beyond are limited to one LAVC in any subject that may be applied toward a Standard or Advanced Studies Diploma.</li> </ul>	<p>Students eligible for credit accommodations shall <b>not</b> be subject to the limitations on the number of verified credits that may be awarded through this process.</p> <ul style="list-style-type: none"> <li>Students who entered the ninth grade for the first time prior to 2018-2019 that <b>require more than three LAVC in any subject</b> must have the eligibility criteria for credit accommodations properly documented in the IEP or 504 Plan.</li> <li>Students entering the ninth grade for the first time in 2018-2019 and beyond that require <b>more than one LAVC</b> must have the eligibility criteria for credit accommodations properly documented in the IEP or 504 Plan.</li> </ul> <p><b>Special Permission Locally Awarded Verified Credit Accommodation (SPLAVC-A):</b> Participate in subject/course related SOL- non-modified curriculum, test and score below 375; meet requirements stated in the Eligibility Criteria Request for Review; and follow local school division's LAVC appeal process.</p>
<b>Economics and Personal Finance</b>	Economics and Personal Finance (6120)	Personal Living and Finances (3120) substitutes for Economics and Personal Finance (6120) (must have earned three standard credits in History/Social Sciences)
<b>Courses Taught in Two Parts</b>	One elective credit and one standard credit	Two standard credits for one sequence in a content area. **

**\*Credit accommodations may only be applied toward a Standard Diploma.**

\*\* Examples using mathematics: Algebra I Part 1 = 1 standard credit, Algebra I Part 2 = 1 standard credit; Geometry 1 Part 1 = 1 elective credit, Geometry I Part 2 = 1 standard credit; OR Algebra I = 1 standard credit; Geometry I Part 1= 1 standard credit, Geometry I Part 2= 1 standard credit