

# Course Offerings and Graduation Guide



**Accomack County**  
*Public Schools*

Learners Community Challenge Growth

Your guide for a . . .

Better Tomorrow!

**Arcadia High**



**Nandua High**



**Chincoteague Combined**



**Tangier Combined**



As required by Federal laws and regulations, the Accomack County Public School System does not discriminate on the basis of sex, race, color, religion, handicapping conditions or national origin in its educational programs and activities.



**For 9<sup>th</sup> Grade Class of 2014-2015 School Year  
(Graduating Class of 2018)**

July 2014

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*Public Schools*

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**The cover of the Course Offering Guide was designed by Arcadia High School's Desktop Multimedia Class.**

## GENERAL INFORMATION

Dear Students and Parents:

The courses that you take in high school can have an effect on the choices that you make for the rest of your life. Predicting which courses may be important to you in your post-high school experiences is difficult. This guide to high school courses has been prepared so that you will have a firm idea of what the courses offer, where they may lead you, and how they may affect your future plans. As you select your courses, we urge you and your parents to explore all your academic options in order to make the best choices possible. By the time you graduate from high school, you want to have learned skills so that you can go to work or continue your education in a college or technical trade school.

*If there is something you don't understand or if you need further information about one of the offerings, please see one of the counselors at your school. They are there to help you achieve success.*

## **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.

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# GRADUATION REQUIREMENTS & DIPLOMA OPTIONS

The requirements for a student to earn a diploma from a Virginia high school shall be those in effect when that student enters the ninth grade for the first time. In 2010, the Commonwealth of Virginia Board of Education adapted new graduation requirements for students who will enter the ninth grade for the first time in the 2011-2012 school year and beyond. The following are the new diploma options and their requirements. 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. A student will earn one credit for each semester course successfully passed.

<b>STANDARD DIPLOMA</b>	
Of the 22 credits, six (6) must be verified credits as follows: two (2) English, one (1) math, one (1) science, one (1) history and social science, and one (1) student-selected test students must have to graduate.	
<b>English 9, 10, 11, 12</b>	<b>4 credits</b>
<b>Mathematics</b> (Courses completed to satisfy this requirement shall include at least two 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.) <sup>1</sup>	<b>3 credits</b>
<b>Science</b> (Courses completed to satisfy this requirement shall include course selections from at least two different science disciplines from among: Earth Science, Biology, Chemistry or Physics. The board shall approve courses to satisfy this requirement.) <sup>2</sup>	<b>3 credits</b>
<b>History and Social Science</b> (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.) <sup>2</sup>	<b>3 credits</b>
<b>Health and Physical Education</b>	<b>2 credits</b>
<b>Foreign Languages, Fine Arts or Career and Technical Education</b>	<b>2 credits</b>
<b>Economics and Personal Finance</b>	<b>1 credit</b>
<b>Required Courses</b>	<b>18 CREDITS</b>
<b>Elective Courses</b> (Courses to satisfy this requirement shall include at least two sequential electives as required by the Standards of Quality.)	<b>4 CREDITS</b>
<b>TOTAL</b>	<b>22 CREDITS</b>

<sup>1</sup> Computer Mathematics may be used in conjunction with Algebra I and Geometry to satisfy the mathematics graduation requirements if the student also completed a career and technical education concentration.

<sup>2</sup> Students who complete a career and technical educational 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 (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.

*For students entering the ninth grade for the first time:*

*A student must earn a career and technical education credential that has been approved by the Board of Education to graduate with a Standard Diploma. The credential should include but not be limited to, the successful completion of an industry certification, a state licensure examination, a national occupational competency assessment, or the Virginia workplace readiness skills assessment.*

*A student must successfully complete one virtual course, which may be noncredit-bearing, to graduate with a Standard or Advanced Studies Diploma (more information as it becomes available). This requirement will be fulfilled in a personal finance class utilizing long distance learning.*

*The Modified Standard Diploma is folded into the Standard Diploma, with credit accommodations for students with disabilities to be addressed in the Standard Diploma for students with disabilities (guidelines to be developed by the state).*

## GRADUATION REQUIREMENTS & DIPLOMA OPTIONS

### Diploma Seals for the Standard Diploma

**Diploma Seals:** A diploma seal is placed on a student's graduation diploma when a student has successfully completed course requirements or a program of study.

**Board of Education Seal:** Awarded to students who complete the requirements for a Standard Diploma with an average grade of "A" (4.0).

**Board of Education's Career and Technical Education Seal:** Awarded to students who earn a Standard Diploma and complete a prescribed sequence of courses in a career and technical education program and maintain a "B" (3.0) or better average in those courses or pass an industry, trade, or professional association exam or acquire a state professional license in a career and technical education field in the state of Virginia.

**Accomack County Public Schools Career and Technical Seal:** Awarded to students who earn a Standard Diploma and have successfully completed a career and technical education or Badger Technical Center program of study.

**Board of Education's Seal of Advanced Mathematics and Technology:** Awarded to students who earn a Standard Diploma and satisfy all of the math requirements for the Advanced Studies Diploma (four units of credit including Algebra II; two verified units of credit) with a "B" (3.0) average or better; and either pass an exam in a career and technical education field that confers certification from a recognized industry or professional association, acquire a professional license in a career and technical education field from the state of Virginia, or pass an exam approved by the Board that confers college-level credit in a technology or computer science area.

**Accomack County Public Schools College Prep Seal:** Awarded to students who earn a standard diploma and have successfully completed two semesters of one foreign language along with sixteen academic credits in core subjects.

**Board of Education's Seal for Excellence in Civics Education:** Awarded to students who earn a Standard Diploma and complete Virginia and United States History and Virginia and United States Government courses with a grade of "B" or higher; have good attendance and no disciplinary infractions as determined by local school board policies; complete 50 hours of voluntary participation in community service or extracurricular activities (including charitable or religious organization that provides services to the poor, sick or less fortunate; Boy Scouts, Girl Scouts, JROTC, or similar youth organizations; political campaigns or government internships; Boys State, Girls State, or Model General Assembly; and/or school-sponsored extracurricular activities that have a civic focus). Students who enlist in the United States military prior to graduation will be deemed to have met this community service requirement.

## Advanced Studies Diploma Requirements

<b>ADVANCED STUDIES DIPLOMA</b>	
Of the 27 credits, nine (9) must be verified credits as follows: two (2) English, two (2) math, two (2) science, two (2) history and social science, and one (1) student-selected test students must have to graduate.	
<b>English 9, 10, 11, 12</b>	<b>4 credits</b>
<b>Mathematics</b> (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.)	<b>4 credits</b>
<b>Science</b> (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. The board shall approve courses to satisfy this requirement.) <sup>2</sup>	<b>4 credits</b>
<b>History and Social Science</b> (Courses completed to satisfy this requirement shall include Virginia and U.S. History, Virginia and U.S. Government, and two courses in either world history or geography or both. The board shall approve courses to satisfy this requirement.) <sup>2</sup>	<b>4 credits</b>
<b>Foreign Languages</b> (Courses completed to satisfy this requirement shall be three years of the same language or two years each of two languages.)	<b>3 credits</b>
<b>Health and Physical Education</b>	<b>2 credits</b>
<b>Fine Arts or Career and Technical Education</b>	<b>1 credit</b>
<b>Economics and Personal Finance</b>	<b>1 credit</b>
<b>Required Courses</b>	<b>23 CREDITS</b>
<b>Elective Courses</b> (Courses to satisfy this requirement shall include at least two sequential electives as required by the Standards of Quality.)	<b>3 CREDITS</b>
<b>TOTAL</b>	<b>26 CREDITS</b>

<sup>2</sup> See explanation on bottom of page B1.

*This requirement will be fulfilled in a personal finance class utilizing long distance learning.*

**Note:** Course combinations that will satisfy the mathematics requirements for the Advanced Studies Diploma:

- Algebra I, Part I & II or Algebra I and
- Geometry, Part I & II or Geometry and
- Algebra II and one of the following courses:
  - Trigonometry and Analytic Geometry
  - Pre-Calculus
  - AP Calculus
  - College Calculus
  - Probability and Statistics



## Diploma Seals for the Advanced Studies Diploma

**Diploma Seals:** A diploma seal is placed on a student's graduation diploma when a student has successfully completed course requirements or a program of study.

**Accomack County Public Schools Career and Technical Seal:** Awarded to students who successfully complete a career and technical education or Badger Technical Center program of study.

**Board of Education's Career and Technical Education Seal:** Awarded to students who earn a Standard or Advanced Studies Diploma and complete a prescribed sequence of courses in a career and technical education program and maintain a "B" (3.0) or better average in those courses; or pass an industry, trade, or professional association exam or acquire a state professional license in a career and technical education field in the state of Virginia.

**Board of Education's Seal of Advanced Mathematics and Technology:** Awarded to students who earn an Advanced Studies Diploma and satisfy all of the math requirements for the Advanced Studies Diploma (four units of credit including Algebra II; two verified units of credit) with a "B" (3.0) average or better; and either pass an exam in a career and technical education field that confers certification from a recognized industry or professional association, acquire a professional license in a career and technical education field from the state of Virginia; or pass an exam approved by the Board that confers college-level credit in a technology or computer science area.

**Board of Education's Seal for Excellence in Civics Education:** Awarded to students who earn an Advanced Studies Diploma and complete Virginia and United States History and Virginia and United States Government courses with a grade of "B" or higher; have good attendance and no disciplinary infractions as determined by local school board policies; complete 50 hours of voluntary participation in community service or extracurricular activities (including charitable or religious organization that provides services to the poor, sick or less fortunate; Boy Scouts, Girl Scouts, JROTC, or similar youth organizations; political campaigns or government internships; Boys State, Girls State, or Model General Assembly; and/or school-sponsored extracurricular activities that have a civic focus). Students who enlist in the United States military prior to graduation will be deemed to have met this community service requirement.

**Governor's Seal:** Awarded to students who complete the requirements for an Advanced Studies Diploma with an average grade of "B" (3.0) or better, and successfully complete at least one international baccalaureate (IB) or one college-level course for credit.

## **Regulations Governing General Educational Development Certificates (8 VACS 20-360-10)**

### **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:
  - a. 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.
  - b. For test batteries completed between January 1, 1997, and December 31, 2001, individuals must achieve at least an average battery score of 45, a total standard score of 225, and no individual test score below 40;
  - c. For test batteries completed between July 1, 1979, and December 31, 1996, individuals must achieve at least an average battery score of 45, a total standard score of 225, and no individual test score below 35; or
  - d. For test batteries completed prior to July 1, 1979, individuals must achieve at least an average battery score of 45 (rounded up), a total standard score of 223, and no individual test score below 35.
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.
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## GRADUATION REQUIREMENTS & DIPLOMA OPTIONS

### **8 VAC 20-360-20. Retesting.**

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

## **Other Options**

### **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 Transition Specialist. The Transition Specialist will then schedule a meeting with the student, parent, building principal or designee, and secondary coordinator to discuss the transition from ISAEP to the regular or alternative education program.

### **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.

### **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.

## **Alternative Education Program**

Students who attend the Alternative Education Programs at Arcadia or Nandua High School and transition to selected education programs would be able to graduate by earning less than the 24 credits presently required for graduation. The credit schedule and requirements are the same as for transfer students.

## **Academic Awards and Achievements**

High schools annually recognize exemplary student achievement. Students who earn honor roll status for three out of four grading periods will receive an academic letter or medal as appropriate to the individual school. Students who earn honor roll status during the first three grading periods are recognized at the school's award ceremonies in the spring. Students who earn this award by including the last grading period may pick up this award at the guidance office after grades are issued. Students may opt to be included in the ceremony the following year by making this request to the school counselor.

## **Substitute Assessments for Verified Credit**

The Virginia Board of Education has approved a number of substitute tests that students may take to earn verified credits toward graduation. The State Board also has approved a schedule of career and technical examinations for licensure or certification that may be substituted for SOL tests to earn student-selected verified units of credit. Tests for licensure or certification that require the demonstration of knowledge and skills beyond what is associated with a single course may result in the awarding of two units of verified credit. A current list of the approved substitute assessments is available in the counseling office of each high school.

## **Economics and Personal Finance**

Students who will enter the ninth grade for the first time in the 2011-2012 school year and beyond are required to earn one credit in Economics and Personal Finance for the Standard, Standard Technical, Advanced Studies, and Advanced Technical Diploma.

## 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 on the day prior to senior exams.
3. In computing class rank of students, each final grade recorded for high school courses taken in the 8<sup>th</sup> grade, 9<sup>th</sup> grade, 10<sup>th</sup> grade, 11<sup>th</sup> grade, and 12<sup>th</sup> grade (prior to the 2<sup>nd</sup> semester final exam) will be given the following value according to the chart below:

<b>Grade</b>	<b>Regular Course</b>	<b>Dual Enrollment Course</b>
A	4	5
B	3	4
C	2	3
D	1	2
F	0	0

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).

2. 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.
3. 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 9<sup>th</sup> rank, both students would be listed as ranking 9<sup>th</sup> in the class. The next student would receive a rank of 11<sup>th</sup> 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

4. 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 9<sup>th</sup> grade to the 3<sup>rd</sup> nine weeks of the 12<sup>th</sup> grade.
  - Include all grades from all courses taken from the 9<sup>th</sup> grade to the day prior to senior exams.
  - Include 8<sup>th</sup> grade 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	94 - 100
B	87 - 93
C	77 - 86
D	70 - 76
F	Below 70

**Dual enrollment courses with local colleges and Virtual Virginia courses use the grading scale of the institution or organization.**

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

1. Valedictorian – The student with highest class rank.
2. Salutatorian – The student with the second highest class rank.
3. Honor Graduate – A student with a grade point average (GPA) of 3.000 or higher at the time class ranking is determined.

The valedictorian and salutatorian are chosen from students receiving the Advanced Studies Diploma. The numerical average determines valedictorian and salutatorian.

## **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.

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

High school courses (Algebra I and Spanish I) taken during middle school will appear on the child's high school transcript, count towards credits earned for graduation, and will be used in determining class rank and GPA. A parent who does not wish these 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 their 8th grade school year.**

## GRADUATION REQUIREMENTS & DIPLOMA OPTIONS

### Guidelines for Transfer Students

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 within 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

**For transfer students entering during 9<sup>th</sup> grade or at the beginning of 10<sup>th</sup> grade**

Standard Credits/Core Area Credits*	Verified Credits = 6
22/13*	2 English
	1 Mathematics
	1 Laboratory Science
	1 History/Social Science
	1 Student Selected Test

**For transfer students entering during 10<sup>th</sup> grade or at the beginning of 11<sup>th</sup> grade**

Standard Credits/Core Area Credits*	Verified Credits = 4
22/13*	1 English
	1 Mathematics
	1 Laboratory Science
	1 History/Social Science

**For transfer students entering during 11<sup>th</sup> grade or at the beginning of 12<sup>th</sup> grade**

Standard Credits/Core Area Credits*	Verified Credits = 2
22/13*	1 English
	1 Student Selected Test

\*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 requirement.

#### Advanced Studies Diploma Requirements for Transfer Students

**For transfer students entering during 9<sup>th</sup> grade or at the beginning of 10<sup>th</sup> grade**

Standard Credits/Core Area Credits*	Verified Credits = 6
26/16	2 English
	2 Mathematics
	2 Laboratory Science
	2 History/Social Science
	1 Student Selected Test

**For transfer students entering during 10<sup>th</sup> grade or at the beginning of 11<sup>th</sup> grade**

Standard Credits/Core Area Credits*	Verified Credits = 6
26/16	2 English
	1 Mathematics
	1 Laboratory Science
	1 History/Social Science
	1 Student Selected Test

**For transfer students entering during 11<sup>th</sup> grade or at the beginning of 12<sup>th</sup> grade.**

Standard Credits/Core Area Credits*	Verified Credits = 4
26/16	1 English
	3 Student Selected Test

\*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 requirement.

# 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 9-12:**

Grades 9, 10, 11, & 12	SOL Assessments
Grades 9-11	PSAT/NMSQT
Grade 11	PSAT/ASVAB
Grades 9-12	SAT I and/or ACT
Grades 10-12	SAT Subject Tests or SAT II

See Other Available Assessments on page C-3 for explanations

**The following end-of-course tests are 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

All SOL tests are administered to students online with the exception of the English Writing test, which is administered as a paper and pencil test.



## 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 an expedited retake. The schedule for expedited retakes is sent home to parents in December. Expedited retakes are available for the following subjects: English: Reading/Literature and Research; English: Writing; Algebra I; Geometry; Algebra II; Virginia & United States History; World History I; World History II; World Geography; Earth Science; Biology; and Chemistry.

**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 an 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 Pearson. 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 developed abilities and predict what a person could do with further training. 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. Testing usually takes place in October.

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 9<sup>th</sup> or 10<sup>th</sup> 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, Critical Reading, and Math - and a time limit of three hours and thirty-five minutes. The 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 High School Instructional Coordinator, who will arrange for the Senior Option Committee to meet. The Senior Option Committee consists of the School Principal or Assistant Principal, School Counselor, and the High School Instructional Coordinator. The decision of the committee will be made within ten (10) days of the High School Instructional Coordinator's receipt of the form. If approved, this information is forwarded to the School Counselor for scheduling purposes.
- The completed shortened school day form must be submitted to the High School Instructional Coordinator 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 classes 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 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.

## **POLICIES**

### **Exam Exemption Guidelines**

Any student who meets the following criteria may be exempt from the semester or final exam in a class:

- A senior who maintains an “A” average for the semester may be exempt from the final exam in that particular class. At the mid-point of the 2<sup>nd</sup> and 4<sup>th</sup> nine-week marking periods, a tentative list of students who may be eligible for the final exam exemption will be developed by the guidance office at each school. Students on this list must maintain an “A” average for the remainder of the marking period in order to be placed on the final list of students eligible for exemption. Students cannot be added to the list at the end of the nine-week period. The guidance office will develop a final list of eligible students prior to the examination.
- Any student enrolled in a Career and Technical Education (CTE) program in Accomack County Public Schools will be exempt from the final examination in any CTE course in which they successfully pass a State Board of Education approved certification or licensure examination. The student will also earn one or two student-selected verified credits for graduation in Career and Technical Education.
- Any student enrolled in an end-of-course SOL class may be exempt from the final exam if he/she passes the SOL test and the results are back before the final exam is given. If a student does not want to be exempt, then the student would take the teacher-given final exam and it is used to calculate the final grade.
- Any student who maintains a “B” average or above and misses no more than two (2) days a semester, or who maintains a “B” average or above and misses no more than four (4) days a full year course, may be exempted from semester or final exams with parent/guardian approval as an incentive for good attendance.

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

- For the student to be exempt from an English 11 exam, they need 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 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 NAIA (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.
3. 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 develop an Academic and Career Plan. Students should 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.

**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.**

6. Courses may be taken in another complete program as an elective if space is available.
7. 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.

Any student who wishes to retake a course for a higher grade may do so, if space in the course is available. Priority is given to students who are taking the course for the first time and for students who need to retake 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. The Course Offerings Guide for credit declaration of high school courses taken in middle school will not change.

## **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 High School Instructional Coordinator 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 High School Instructional Coordinator. The decision on the appeal will be made within ten (10) days of the High School Instructional Coordinator'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 Distance Learning, Internet, Correspondence and Independent Study Courses (unless county initiated) towards graduation requirements.

### **Dual Enrollment Courses**

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.

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 numerous college courses through a partnership with the Eastern Shore Community College (ESCC). These courses include:

College Composition I & II (English 111 & 112)	U.S. History I & II (History 121 & 122)
Pre-Calculus I & II (Math 163 & 164)	Calculus I & II (Math 273 & 274)
General Biology I & II (Biology 101 & 102)	General Chemistry I & II (Chemistry 111 & 112)
Office Accounting (ACC 105)	Computer Aided Drafting & Design (DRF 201)
Nurse Aide II (HCT 101, HCT 190, HLT 105)	Computer Troubleshooting & Repair (ETR 228)
Welding (WE 21)	HVAC & R (AIR 121, 134, 193)

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.

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.

# 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 two high school (2) credits 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 class at the end of the first semester with no penalty. 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 Virginia Department of Education sponsors the Virginia Virtual 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 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 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).

## Standard Diploma: Sample Program of Study

Students will need a minimum of 15 academic credits from the areas of English, math, science, and social studies and a total of 24 credits to graduate. No more than 4 credits from a single subject can count toward meeting the 15 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 Part I & Part II	Geometry Part I & Part II	Math Choice Probability & Statistics or Alg II	Elective
<b>Science</b>	Earth Science	Biology I	Chemistry	Elective
<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	HVAC+R	HVAC+R
<b>Elective Course</b>	Keyboarding	Foreign Language	HVAC+R	HVAC+R
<b>Elective Course</b>	Foreign Language	Office Administration	Word Processing	HVAC+R
<b>Elective Course</b>			Accounting	HVAC+R

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 core courses to meet the Standard Diploma requirements of 15 academic credits.

<b>English</b>	<b>Math</b>	<b>Science</b>	<b>Social Sciences</b>	<b>Core Credits</b>
4	4	4	3	15
4	3 <sup>1</sup>	4	4	15
4	4	3	4	15

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

### 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	1	6

## Advanced Studies Diploma: Sample Program of Study

Students will need a minimum of 16 academic from the areas of English, math, science, and social studies and a minimum total of 27 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	College English I & II
<b>Math</b>	Algebra I	Geometry	Algebra II	Trigonometry
<b>Science</b>	Earth Science	Biology I	Chemistry	College Chemistry I & II
<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	College History	Calculus
<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>	Keyboarding	Architectural Drawing	Physics	Art I
<b>Elective Course</b>	Technical Drawing	Office Administration	Engineering Drawing	Word Processing

- 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.

### Verified Credits

<b>English</b>	<b>Math</b>	<b>Science</b>	<b>Social Sciences</b>	<b>Student Selected</b>	<b>Total</b>
2	2	2	2	1	9

## Modified Standard Diploma Program of Study Sample

Students will need a minimum of 11 academic credits from the areas of English, math, science, and social studies and a total of 20 credits to graduate. The Modified Standard Diploma program is intended for certain students at the secondary level who have a disability and are unlikely to meet the credit requirements for a Standard Diploma. Eligibility for and participation in the Modified Standard Diploma program shall be determined by the student's Individualized Education Program (IEP) team and the student, where appropriate, at any point after the student's eighth grade year. 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 and the full disclosure of the student's options. The student who has chosen to pursue a Modified Standard Diploma shall also be allowed to pursue the Standard or Advanced Studies Diploma at any time throughout that student's high school career. The student must not be excluded from courses and tests required to earn a Standard or Advanced Studies Diploma. A student must complete at least two sequential electives as required for the Standard Diploma. Students pursuing the Modified Standard Diploma shall pass literacy and numeracy competency assessments prescribed by the Virginia State Board of Education. These assessments include the grade 8 SOL tests in English (Reading, Literature and Research) and math. However, approved substitute assessments are available to use in meeting this requirement.

<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 Part I	Algebra Part II	Geometry Part I	Geometry Part II
<b>Science</b>	Earth Science	Biology I	Anatomy and Physiology	Study Skills
<b>Social Science</b>	World Geography	World History I	VA/US History	VA/US Government
<b>Health/Phys. Ed</b>	HPE 9	HPE 10	Study Skills 11	Nursing Aide II
<b>Elective Course</b>	Study Skills 9	Study Skills 10	Study Skills 11	Nursing Aide II
<b>Elective Course</b>	Keyboarding	Independent Living	Nursing Aide I	Nursing Aide II
<b>Elective Course</b>	Study Skills 9	Study Skills 10	Nutrition and Wellness	Nursing Aide II

A student who has followed this plan of study would earn a Modified Standard Diploma with a Career & Technical Education Seal. This plan would be initiated when a student has difficulty acquiring the SOL's for the Standard Diploma.

# HIGH SCHOOL PROGRAM OF STUDY PLANNING CHART

✓ Check your diploma choice and type of program.

Standard Diploma \_\_\_\_ Advanced Studies Diploma \_\_\_\_ Career Goal \_\_\_\_\_

Standard Technical Diploma \_\_\_\_ Advanced Technical Diploma \_\_\_\_ Graduation Plan \_\_\_\_\_

	GRADE 9	GRADE 10	GRADE 11	GRADE 12
1				
2				
3				
4				
5				
6				
7				
8				

## 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.

### ENGLISH

#### **ENGLISH 9 – 1130 (Grade 9)**

Students in English 9 study the literature of a variety of eras and cultures, with an emphasis on understanding literary terms and applying them to specific works of literature. In addition, students read and analyze other forms of print materials to synthesize information and to evaluate accuracy. Writing in the course emphasizes sentence and paragraph development, and principles of grammar, usage, and mechanics are studied in order to develop an understanding of how language works and to improve editing skills. Students are expected to research topics using electronic databases and to use a style sheet to cite sources. Oral presentations and dramatic readings of literary selections are required, as is supplementary reading through the Accelerated Reader program. **Prerequisite:** Successful completion of English 8.

#### **HONORS ENGLISH 9 - 1132 (Grade 9)**

This course is more rigorous in content and faster in pace than English 9. Students in Honors English 9 study the literature of a variety of eras and cultures. They are expected to develop an understanding of literary terms; to apply those terms to specific works of literature; to analyze literature, both orally and in writing; and to evaluate critical perspectives on literature. In addition, students read and analyze other forms of print materials to synthesize information and evaluate accuracy. Writing in the course emphasizes the development of narrative and analytical paragraphs and essays, and the principles of grammar, usage, and mechanics are studied in order to develop an understanding of how language works and to improve editing skills. Students are expected to research topics using a variety of sources, including electronic databases, and to cite sources using a style sheet. Oral presentations and dramatic readings of literary selections are required, as is supplementary reading through the Accelerated Reader program. **Prerequisite:** Completion of English 8 and instructor approval.

#### **ENGLISH 10 – 1140 (Grade 10)**

Students in English 10 read and critique works of world literature, with an emphasis on identifying similarities and differences in the literatures of different cultures. In addition, students read and interpret printed consumer materials. Writing in the course emphasizes exposition, with a focus on utilizing peer revision and editing. Principles of grammar, usage, and mechanics are studied in order to develop an understanding of how language works and to improve editing skills. Students participate and report on small-group learning activities and critique small-group reports. A research project requires students to collect, evaluate, and organize information, and to cite sources using a style sheet. Supplementary reading is required through the Accelerated Reader program. **Prerequisite:** Successful completion of English 9.

#### **HONORS ENGLISH 10 - 1142 (Grade 10)**

This course is more rigorous in content and faster in pace than English 10. Students in Honors English 10 read and critique works of world literature, with an emphasis on identifying cultural archetypes and universal themes and on relating elements of form to meaning. In addition, students read and interpret printed consumer materials. Writing in the course emphasizes exposition, with a focus on utilizing peer revision and editing. Principles of grammar, usage, and mechanics are studied in order to develop an understanding of how language works and to improve editing skills. Students participate in and report on small-group learning activities and critique small-group reports. A research paper requires students to collect, evaluate, and organize information, and to cite sources according to a style sheet. Supplementary reading is required through the Accelerated Reader program. **Prerequisite:** Completion of Honors English 9, or of English 9 with instructor approval.

#### **ENGLISH 11 – 1150 (Grade 11)**

Students in English 11 study American literature, with an emphasis on the relationships among history, literature, and culture. In addition, students read a variety of printed materials, focusing on following written directions and on using texts to clarify academic concepts. Persuasion is emphasized both in writing and in oral presentations. Principles of grammar, usage, and mechanics are reviewed in an effort to conform to acceptable standards of speaking and writing. Students research a question, problem, or issue and organize the information found into a paper with sources documented according to a style sheet. Supplementary reading is required through the Accelerated Reader program. **Prerequisite:** Successful completion of English 10.

#### **HONORS ENGLISH 11 – 1152 (Grade 11)**

This course is more rigorous in content and faster in pace than English 11. Students in Honors English 11 engage in a chronological study of American literature, with an emphasis on the relationships between literature and historical, social, and intellectual movements and on the development of the English language in America. Writing emphasizes persuasion and literary analysis. Persuasive presentations are required, as is an argumentative essay on a contemporary issue with sources documented according to a style sheet. Supplementary reading of assigned novels is required. **Prerequisite:** Successful completion of Honors English 10, or of English 10 with instructor approval.



## **ENGLISH 12 – 1160 (Grade 12)**

Students in English 12 study British literature and the literature of other cultures, with an emphasis on the relationships among literature, history, and culture. In addition, students read a variety of other print materials, with a focus on technical and instructional manuals. Writing in the course emphasizes the development of expository and technical writing that is suited to audience and purpose and that conforms to the accepted conventions of grammar, usage, and mechanics. A formal oral presentation is required, as is a research paper with sources documented according to a style sheet. Supplementary reading is required through the Accelerated Reader program. **Prerequisite:** Successful completion of English 11.

## **COLLEGE ENGLISH – DE1600, DE1601 (Grade 12)**

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. Students produce a variety of writing including exposition, narration, persuasion/argumentation, and literary analysis, with an emphasis on producing writing that is appropriate in content, form, and style for a college course. The first semester focuses on writing from experience and research; the second emphasizes critical reading of and writing about short stories, plays, and poems. In addition, the course includes the chronological study of British literature required by English 12. **Prerequisite:** Satisfactory score on the ESCC placement test and successful completion of Honors English 11 or English 11.

## **AP ENGLISH -1195 (Grade 12)**

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.

**Prerequisite:** English 11.

## **DRAMATIC LITERATURE - 1165 (Grades 9-12)**

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 before live audiences in monodramas, children's theater, puppet theater, total theater, improvisation, and theater of involvement. **Prerequisite:** None.

## **JOURNALISM –1200 (Grades 10-12)**

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. **Prerequisite:** Instructor approval.

## **HUMANITIES – 1219 (Grades 10-12)**

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 - 1300 (Grades 10-12)**

Students in this course are introduced to the components involved in effective communication. Emphasis is placed on speaking and listening effectively, organizing spoken and written communication, reducing anxiety associated with speaking in public, increasing vocabulary, and delivering speeches to inform, persuade, or motivate others. **Prerequisite:** None.

# **MATHEMATICS**

## **ALGEBRA I - PART I - 3131 (Grades 9-12) 1 elective credit** **ALGEBRA I - PART II - 3132 (Grades 10-12) 1 math credit**

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.

## **ALGEBRA I - 3130 (Grades 9-12)**

This course is designed to introduce students to the fundamental theory and structure of Algebra. It is 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, the study of graphing, the study of functions, and the study of polynomials. **Prerequisite:** Successful completion of grade 8 math and a passing score on the grade 8 math SOL test.

## ACADEMIC COURSE DESCRIPTIONS

### **GEOMETRY - PART I - 3144 (Grades 9 - 12) 1 elective credit**

### **GEOMETRY - PART II - 3145 (Grades 9 - 12) 1 math credit**

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

### **GEOMETRY - 3143 (Grades 9-12)**

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. **Prerequisite:** Successful completion of Algebra I.

### **ALGEBRA II - 3135 (Grades 10-12)**

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. **Prerequisite:** Successful completion of Algebra I.

### **TRIGONOMETRY AND ANALYTIC GEOMETRY - 3150/3176 (Grades 11-12)**

This course is designed for students in the advanced studies program. Trigonometry is taught during the first semester and includes review of sets, relations and functions, development of circular functions, followed by a development of trigonometric functions and applications of these functions. Analytic Geometry is taught during the second semester. Topics included are essential to the study of Calculus and include: the algebra of vectors, lines in the plane, and conic sections. **Prerequisite:** Successful completion of Algebra II.

### **PRE-CALCULUS – DE3230 (Grade 12)**

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. **Prerequisite:** Satisfactory score on the ESCC placement tests. See note on page F-5 under dual enrollment courses.

### **COLLEGE CALCULUS – DE3231 (Grade 12)**

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. The course is equivalent to one semester of college Calculus and to related topics comparable in courses in colleges and universities. Other topics include: elementary functions, differential calculus, and integral calculus. **Prerequisite:** Successful completion of Pre-Calculus is strongly recommended. Satisfactory score on the ESCC placement tests. See note on page F-5 under dual enrollment courses.

### **DUAL ENROLLMENT CALCULUS I – C1 3177 (Grade 12)**

This dual enrollment course 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 – C2 3177 (Grade 12)**

This dual enrollment course covers vectors in three dimensions, definite integrals, methods of integration, indeterminate forms, partial differentiation, and multiple integrals. Designed for mathematical, physical, and engineering science programs. **Prerequisite:** MTH 273 or equivalent. See note on page F-5 under dual enrollment courses.

### **AP CALCULUS – 3177 (Grade 11-12)**

This two-semester AP calculus class is intended for those students that have a thorough knowledge of college preparatory mathematics including algebra I, algebra II, geometry, and trigonometry. Topics include derivatives, integrals, and functions, graphs, and limits. Students may earn up to six college credits upon receiving a '3' or higher on the AP exam in May. **Prerequisite:** algebra I, algebra II, geometry, and trigonometry.

### **COMPUTER MATHEMATICS – 3184 (Grade 12)**

Computer Mathematics provides students with experience in using the computer to solve problems that can be set up as mathematical models. Students will develop and refine skills in logic, organization and precise expression, thereby enhancing learning in other disciplines. Programming should be introduced in the context of mathematical concepts and problem solving.

Students will define a problem; develop, refine, and implement a plan, and test and revise the solution. **Prerequisite:** Successful completion of Algebra I.

### **PROBABILITY AND STATISTICS - 3190 (Grades 11-12)**

This advanced course presents the basic concepts and techniques for collecting and analyzing data, drawing conclusions, and making predictions. A graphing calculator is an essential tool for this course. **Prerequisite:** Successful completion of Algebra II or Geometry.

## **SCIENCE**

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### **EARTH SCIENCE – 4210 (Grade 9)**

Earth science relies on laboratory investigations to help students understand the basic processes acting on the earth's surface. Fundamental principles of astronomy, meteorology, physical geology, historical geology, oceanography, and ecology are topics studied in the course. Everyday math is used to analyze some of the quantitative concepts. **Prerequisite:** None.

### **BIOLOGY I – 4310 (Grade 9-12)**

Biology is designed to inform and challenge students and prepare them for higher level biology courses. The basic principles of biochemistry of life, cellular structure and function, patterns of inheritance, evolution and ecology, as well as a survey of the 5 kingdoms are studied. Related activities and lab work are conducted throughout the year to reinforce lecture information, as well as to increase student understanding and utilization of the scientific method. **Prerequisite:** None.

### **BIOLOGY II - (ANATOMY/PHYSIOLOGY) - 4330 (Grades 11-12)**

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. **Prerequisite:** Biology I.

### **BIOLOGY II - (ADVANCED SURVEY OF BIOLOGY TOPICS) - 4320 (Grades 11-12)**

Biology II is an in-depth study of selected topics introduced in Biology I. The course explores evolutionary history of the major animal phyla including comparative anatomy, physiology, and behavior. Emphasis is on investigative exercises in the laboratory. **Prerequisite:** Successful completion of Biology I and Chemistry.

### **BIOLOGY II (Marine Ecology) – 4340 (Grades 11-12)**

This course is designed to educate students regarding the biological and economic resources of the ocean. Students will investigate through lectures and laboratory activities the following topics: history of oceanography, ocean geology, navigation, water chemistry, marine biology, pelagic and benthic zones, coral reefs, estuaries and nekton. **Prerequisite:** Successful completion of Earth Science and Biology I.

### **COLLEGE BIOLOGY I – DE4700B (Grades 11-12)**

### **COLLEGE BIOLOGY II – DE4701B (Grades 11-12)**

College Biology is a 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. **Prerequisite:** College Biology I - Successful completion of Biology and Chemistry. Satisfactory score on the ESCC placement tests. College Biology II - Successful completion of College Biology I.

### **AP BIOLOGY – 4370 (Grades 11-12)**

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.

## ACADEMIC COURSE DESCRIPTIONS

### CHEMISTRY - 4410 (Grades 10-12)

Chemistry is an introductory laboratory oriented course dealing with atomic structure, chemical bonding, composition of gases, the mole concept, solutions, and ionization which includes acid-base reactions. The students are instructed in laboratory techniques and safety. **Prerequisite:** Biology and Algebra I or the equivalent.

### AP CHEMISTRY – 4470 (Grade 11-12)

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. **Prerequisite:** Algebra II, Biology and Chemistry.

### COLLEGE CHEMISTRY I – DE4700C (Grades 11-12)

### COLLEGE CHEMISTRY II – DE4701C (Grades 11-12)

College Chemistry is a dual enrollment freshman course. The following topics are covered: atomic structure, quantitative aspects of chemical reactions, energy changes, chemical bonds, properties of gases, acid-base ionic reactions, redox reactions, thermodynamics, reaction rates, equilibrium, acid-base equilibria, and some topics in organic chemistry. **Prerequisite:** College Chemistry I- Successful completion of Chemistry. Satisfactory score on the ESCC placement tests.  
College Chemistry II – Successful completion of College Chemistry I.

### PHYSICS - 4510 (Grades 11-12)

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. **Prerequisite:** Successful completion of Algebra I or the equivalent.

## HISTORY & SOCIAL SCIENCE

### WORLD HISTORY AND GEOGRAPHY to 1500 A.D. – 2215

This course allows students to explore 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 will develop an understanding of the political, cultural, geographic, and economic conditions in the world during this period.

### WORLD HISTORY AND GEOGRAPHY 1500 A.D. to the Present – 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 – 2210 (Grade 9)

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 - 2360 (Grade 11)

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. **Prerequisite:** None.

#### **VIRGINIA AND UNITED STATES HISTORY – 2361 & 2362 (Grade 11) {Full Year Course}**

**Upon successful completion of this course, students will receive 2 credits (1 history credit and 1 elective credit)**

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. **Prerequisite:** None

#### **VIRGINIA AND UNITED STATES GOVERNMENT – 2440 (Grade 12)**

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. **Prerequisite:** None.

#### **COLLEGE U. S. HISTORY – DE2950 (Grades 11-12)**

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. **Prerequisite:** Satisfactory score on the ESCC placement tests.

#### **AP U.S. HISTORY – 2319 (Grades 11-12)**

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. **Prerequisite:** None.

#### **AFRICAN STUDIES - 2371 (Grades 10-12)**

This humanities course is designed for students of any culture who wish to broaden their knowledge of various art forms and race relations in the United States. It introduces important stylistic periods, major historical movements, philosophic thought and key figures in the growth and development of the African-American Culture. **Prerequisite:** None.

#### **PSYCHOLOGY - 2900 (Grades 10-12)**

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. **Prerequisite:** None.

### **HEALTH AND PHYSICAL EDUCATION**

#### **HEALTH AND PHYSICAL EDUCATION 9 - 7300 (Grade 9)**

Students study first aid, disease prevention and control, consumer health, environmental health, and family health. Physical Education activities include team sports, recreational sports, gymnastics, cardio respiratory endurance activities, and track and field. **Prerequisite:** None.

#### **HEALTH AND PHYSICAL EDUCATION 10 – 7405 (Grade 10)**

Students study parenthood, family relationships, and mental health. Driver education is taught as a part of this course. Physical education activities include team sports, recreational sports, and cardio respiratory activities. **Prerequisite:** Successful completion of 9<sup>th</sup> grade Health and Physical Education.

#### **8 VAC 20-131-60. TRANSFER STUDENTS.**

## ACADEMIC COURSE DESCRIPTIONS

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 requirements.

**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 instruction. 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 -- 7640/7650 (Grades 11-12)

Students participate in activities to improve muscle strength, speed, flexibility, agility, and explosive power. The instruction will include free weight exercise, plyometrics, and passive stretching as its core components. **Prerequisite:** Successful completion of 10<sup>th</sup> grade Health and Physical Education.

## FOREIGN LANGUAGE

### FRENCH I - 5110 (Grades 9-12)

An introductory course exposes students to the fundamentals of French grammar. Beginning grammar includes the basics of nouns, adjectives, pronouns, and verbs 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. **Prerequisite:** Student must have passed 8<sup>th</sup> grade SOL test in English 8 Reading & Writing.

### FRENCH II - 5120 (Grades 9-12)

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. **Prerequisite:** Successful completion of French I.

### FRENCH III - 5130 (Grades 10-12)

Students will read and discuss concepts and ideas on French literary documents. Vocabulary growth and grammar review are used to strengthen the student's ability and style of expressions. The student will write short compositions. **Prerequisite:** Successful completion of French II.

### FRENCH IV - 5140 (Grades 11-12)

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. **Prerequisite:** Successful completion of French III. Offered in alternating school years.

### SPANISH I - 5510 (Grades 9-12)

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. **Prerequisite:** Student must have passed 8<sup>th</sup> grade SOL test in English 8 Reading & Writing.

### SPANISH II - 5520 (Grades 9-12)

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. **Prerequisite:** Successful completion of Spanish I.

### SPANISH III - 5530 (Grades 10-12)

Emphasis is on fluency, with students expressing themselves in the language with pronunciation, intonation, grammatical correctness, form, and style acceptable to the native speaker. **Prerequisite:** Successful completion of Spanish II.

### SPANISH IV - 5540 (Grades 11-12)

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. **Prerequisite:** Successful completion of Spanish III. Offered in alternating school years at Arcadia.

## **ART AND PERFORMING ARTS**

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### **ART I - 9120 (Grades 9-12)**

Art I 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. **Prerequisite:** None.

### **ART II - 9130 (Grades 9-12)**

Art II is for students who have satisfactorily completed Art I. It is designed to aid students who are interested in increasing their knowledge in drawing, painting, print-making, sculpture, ceramics, and architecture. **Prerequisite:** Successful completion of Art I.

### **ART III - 9140 (Grades 11-12)**

Art III is an advanced class for 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. **Prerequisite:** Successful completion of Art II.

### **ART IV- 9145 (Grade 12)**

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 instructional goals of The College Board is required. **Prerequisite:** Successful completion of Art III.

### **AP STUDIO ART - 9148 (Grade 12)**

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. **Prerequisite:** Successful completion of Art IV.

### **ART HISTORY - 9170 (Grades 10-12)**

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). **Prerequisite:** None

### **PHOTOGRAPHY - 9190 (Grades 10-12)**

Students must have access to an adjustable 35mm camera (some cameras may be available) and must supply their own film and printing paper. 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. **Prerequisite:** None.

### **PHOTOGRAPHY II -9191 (Grades 10-12)**

Students must have access to a digital camera as well as a 35mm camera. 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. **Prerequisite:** Successful completion of Photography I.

### **CERAMICS - 9175 (Grades 9-12)**

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. **Prerequisite:** None.

### **BAND - 9233 (Grades 9-12)**

Band is for 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. Students must participate in a minimum of two concerts during the school year. **Prerequisite:** None.

### **ADVANCED BAND - 9234 (Grades 9-12)**

Advanced Band is a performance-based class. It requires students to participate in all scheduled performances. Advanced music theory, music history, and music pedagogy will be taught. **Prerequisite:** A student must have previously taken Band or must qualify for the class by auditioning.

### **MUSIC APPRECIATION - 9222 (Grades 9-12)**

## ACADEMIC COURSE DESCRIPTIONS

The course is designed to cultivate a better understanding and appreciation of music in our multi-ethnic society. **Prerequisite:** None.

### CHORUS - 9285 (Grades 9-12)

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. **Prerequisite:** Audition by Chorus Director.

### ADVANCED CHORUS - 9289 (Grades 9-12)

This course requires more performances. 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. **Prerequisite:** Audition by chorus director.

## SPECIAL PROGRAMS

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### ALGEBRAIC FOUNDATIONS – 0110M (Grade 9)

This course is designed to enhance math skills for students who did not pass the 8<sup>th</sup> grade math SOL test. This course will count as an elective credit, not a math credit. **Prerequisite:** None.

### FOUNDATIONS OF ENGLISH – 0110E (Grade 9) (Foundations of English)

This is a 9<sup>th</sup> grade remedial course that focuses on reading and writing skills with specific emphasis on the 8<sup>th</sup> grade 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. **Prerequisite:** None

### FOUNDATIONS OF SCIENCE – 0110S (Grade 9)

This course is designed to enhance science skills for students who did not pass the 8<sup>th</sup> grade science SOL test. This course will count as an elective credit, not a science credit. **Prerequisite:** None.

### INTERNSHIP - 9828 (Grade 12)

Internships are designed for seniors who have a 2.0 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 prior to meeting with the Internship Committee. All prospective interns will be screened by the Intern Committee to ensure that the proposed internship will be a valuable asset in preparing them for the workforce. Interns will accumulate 135 supervised hours working at the approved intern site, keep a daily time log, write a three to five page paper, and present a summary of their internship before the committee at the end of the semester. The internship may only be taken for one 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.

### SAT PREPARATION – 0110P (Grades 10-12)

SAT preparation is offered through on-line sites. Princeton Review and other long distance learning sites that are available. Students may use school computers in their after-school tutoring and remediation programs.

### WRITING FUNDAMENTALS – 0110W (Grade 9)

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. It should only be offered to 9<sup>th</sup> graders. **Prerequisite:** None.



# **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
- 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 the appropriate 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

## AGRICULTURE EDUCATION

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### **HORTICULTURE (SPECIAL NEEDS) 8050 (Grade 9-12) {One-Semester Course; Not A Completer Program} (Nandua only)**

Students who have limited or no agriculture experience learn fundamental horticulture competencies. Areas of instruction will include nursery plant production, greenhouse operation and landscape management. Students will learn to propagate and grow plants and shrubbery in the greenhouse and land laboratory. Safety practices and leadership development will be provided throughout the course. **Prerequisite:** None.

## BUSINESS AND INFORMATION TECHNOLOGY

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**Minimum Completer Requirements for Program Concentration: Keyboarding Applications plus any two (2) Occupational courses (Accounting, Advanced Accounting, Computer Information Systems, Advanced Computer Information Systems, Desktop/Multimedia Presentations, Office Administration, Word Processing)**

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

### **ACCOUNTING - 6320 (Grades 10-12)**

Students study the basic principles, concepts, and practices of the accounting cycle. Students learn fundamental accounting procedures using a manual and an electronic system. 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 Mous core or excellent test. **Prerequisite:** Keyboarding.

### **ADVANCED ACCOUNTING – 6321 (Grades 11-12)**

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. **Prerequisite:** Accounting

### **BUSINESS AND INFORMATION TECHNOLOGY INDIVIDUALIZED PROGRAM – 6745 (Grades 9-12) (Nandua Only)**

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. **Prerequisite:** Teacher recommendation.

### **BUSINESS LAW – 6131 (Grades 10-12)**

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. **Prerequisite:** None

### **COMPUTER INFORMATION SYSTEMS - 6612 (Grades 11-12)**

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 IC3 certification is available through Certiport by taking the IC3 certification exam (Chincoteague only). Certification is available to students who pass the Mous core or excellent test. **Prerequisite:** Keyboarding.

## CAREER AND TECHNICAL EDUCATION COURSE DESCRIPTIONS

### ADVANCED COMPUTER INFORMATION SYSTEMS – 6613 (Grades 11-12)

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 IC3 certification is available through Certiport by taking the IC3 certification exam (Chincoteague only). Certification is available to students who pass the Mous core or excellent test. **Prerequisite:** Computer Information Systems

### DESIGNS, MULTIMEDIA, AND WEB TECHNOLOGIES - 6630 (Grades 11-12)

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. **Prerequisites:** Keyboarding

### KEYBOARDING APPLICATIONS - 6152 (Grades 9-11)

Students develop or refine touch skills for entering alphabetic, numeric, and symbol information on a keyboard. Students apply keyboarding skills to produce a variety of personal and business documents. **Prerequisite:** None.

### OFFICE ADMINISTRATION - 6621 (Grades 10-12)

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. The Microsoft Office Specialist (MOS) Certification is available to students who pass the MOS certification in the core or excellent exam. **Prerequisite:** Keyboarding

### PRINCIPLES OF BUSINESS AND MARKETING - 6115 (Grades 9-10)

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. **Prerequisite:** None.

### WORD PROCESSING - 6625 (Grades 11-12)

Students develop intermediate to advanced level word processing skills using a variety of software functions, including graphics and desktop publishing. Students gain competence integrating other applications such as database and spreadsheet into word processing activities. Classroom experiences also provide for skill development in communication. The Microsoft Office Specialist (MOS) Certification is available to students who pass the MOS certification in the core or excellent exam. **Prerequisite:** Keyboarding

### ECONOMICS AND PERSONAL FINANCE – 6120 (Grades 10-12)

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. **Prerequisite:** None.

## **MARKETING EDUCATION**

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**Minimum Requirements 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**

### FUNDAMENTALS OF MARKETING - 8110 (Grades 10-11)

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. **Prerequisite:** None.

### MARKETING - 8120 (Grades 11-12) 1 or 2 credits

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. **Prerequisite:** None.

### **ADVANCED MARKETING - 8130 (Grades 11-12) 1 or 2 credits**

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. **Prerequisite:** None

### **SPORTS, ENTERTAINMENT, AND RECREATION MARKETING 8175 (Grade 10, 11, or 12)**

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. **Prerequisite:** None

## **TECHNOLOGY EDUCATION**

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**Minimum Requirements For Program Concentration: Two (2) Courses**

**Recommended For Career and Technical Education Specialization: Three (3) Courses**

**Dual Enrollment available when taking Architectural Drawing or Engineering Drawing as third course**

### **TECHNICAL DRAWING/DESIGN - 8435 (Grades 9-11)**

In this foundation course, students learn the basic language of technical 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. **Prerequisite:** None.

### **ARCHITECTURAL DRAWING/DESIGN - 8437 (Grades 10-12)**

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. The AutoCad 2000 Certification is available to students by passing the exam by Brainbench. **Prerequisite:** Technical Drawing/Design.

### **ENGINEERING DRAWING/DESIGN - 8436 (Grades 10-12)**

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. The AutoCad 2000 Certification is available to students by passing the exam by Brainbench. **Prerequisite:** Technical Drawing/Design.

## **FAMILY AND CONSUMER SCIENCES**

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**Minimum requirements for program completion: Three (3) courses**

### **FAMILY RELATIONS - 8225 (Grades 9-12)**

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. **Prerequisite:** None.

### **INDIVIDUAL DEVELOPMENT-8210 (9-12)**

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. **Prerequisite:** None

## CAREER AND TECHNICAL EDUCATION COURSE DESCRIPTIONS

### **LIFE PLANNING - 8227 (Grades 9-12)**

Life Planning equips students with the skills to face the challenges in today's society. Students will develop a life-management plan which includes Developing Career, Community, and Life Connections; Applying Problem-Solving Processes to Life Situations; Creating and Maintaining Healthy Relationships; Developing Strategies for Lifelong Career Planning; Developing a Financial Plan; Examining Components of Individual and Family Wellness; and Demonstrating Leadership within the Community. **Prerequisite: None**

### **NUTRITION AND WELLNESS - 8229 (Grades 9-12)**

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. **Prerequisite: None**

### **PARENTING 8232 (Grades 9-12)**

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.

**Prerequisite: None**

### **INDEPENDENT LIVING - 8219 (Grade 9-12)**

Students explore successful strategies for living independently by actively participating in practical problem solving focusing on relating to others (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. **Prerequisite: None.**

## **CULINARY ARTS**

**Minimum Requirements For Program Completion: Work Focus - Two (2) Courses**

**Recommended For Career and Technical Education Specialization: Two (2) Work Focus Courses plus One (1) Family Focus Course**

### **INTRO TO CULINARY ARTS I - 8250 (Grade 9-12) (Chincoteague High School)**

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 trends, food and beverage production and preparation, and food safety and sanitation. **Prerequisite: None.**

### **CULINARY ARTS I - 8275 (Grade 9-12) (Chincoteague High School)**

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. **Prerequisite: None.**

### **CULINARY ARTS II - 8276 (Grade 10-12) (Chincoteague High School)**

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 Certification (Levels I and/or 2) is available through the Education Foundation of the National Restaurant Association. **Prerequisite: Culinary Arts I**

### **CULINARY ARTS III 8279 (Grade 11-12) (Chincoteague High School)**

Culinary Arts III provides students with an opportunity to enhance their skills in planning menus, applying nutritional principles, implementing sanitation and safety standards, and exploring careers. Depending on the locality, students have the prospect of specializing in one of the following food-preparation techniques: Baking and Pastry, Catering/Banquet, Restaurant/Business, or Quantity Foods. Critical thinking, practical problem solving, and entrepreneurial opportunities within the field of culinary arts are emphasized. The cooperative education method is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year. **Prerequisite: Culinary Arts II 8276**

## BADGER TECHNICAL CENTER PROGRAMS

### **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
- Building Trades
- Computer Systems Technology  
(a computer repair and computer networking program)
- Cosmetology
- Health & Medical Sciences (Nurse Aide)
- Heating, Ventilation, Air Conditioning, and Refrigeration
- Welding

Students typically enroll in these programs of study during their sophomore or junior year. 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 (or 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.

# 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 8506** Grade: 10-11 Credits: 2 **Prerequisite:** None.

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 8507** Grade: 11-12 Credits: 3 or 4 **Prerequisite:** Auto Technology I

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 AES exam upon completion of course.

**Automotive Technology III 8508** Grade: 12 Credits: 3 or 4 **Prerequisite:** Auto Technology II

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:** Automotive Service Excellence (ASE)

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

**Entry Level Careers:** ASE Certified Auto Technician and Auto Parts Sales

**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 TECHNICAL CENTER PROGRAMS

## 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 15 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 15-credit requirement. For students traveling to a Badger program, a minimum of 13 credits must be earned.

SUBJECT	GRADE 9	GRADE 10	GRADE 11	GRADE 12
ENGLISH	ENGLISH 9 (1130, 1132)	ENGLISH 10 (1140, 1142)	ENGLISH 11 (1150, 1152)	ENGLISH 12 (1160)
MATH*	ALGEBRA I-PART I & II (3131 & 3132) OR ALGEBRA I (3130)	GEOMETRY PART I & II (3144 & 3145) OR GEOMETRY (3143)	ALGEBRA II (3135) OR COMPUTER MATH (3184) OR PROBABILITY & STATISTICS (3190)	
SCIENCE	EARTH SCIENCE (4210)	BIOLOGY I (4310)	PHYSICS (4510) OR CHEMISTRY (4410) OR EQUIVALENT	ELECTIVE SCIENCE
SOCIAL SCIENCE	WORLD GEOGRAPHY (2210)	WORLD HISTORY I & WORLD GEOGRAPHY (2215)	VA/US HISTORY (2360, 2361)	VA/US GOVERNMENT (2440)
ECONOMICS AND PERSONAL FINANCE			ECONOMICS AND PERSONAL FINANCE (6120)	
HEALTH/PHYS. ED	HPE 9 (7300)	HPE 10 (7400)		
OCCUPATIONAL COURSES	KEYBOARDING (6152)	ACCOUNTING (6320)	AUTO TECH I (8506) OR TECH II (8507)	AUTO TECH II (8507) OR TECH III (8508)
OCCUPATIONAL COURSES	PRINCIPLES OF BUSINESS (6115)	AUTO SERVICE TECH I (8506)	AUTO TECH II (8507)	AUTO TECH III (8508)
OCCUPATIONAL COURSES		AUTO SERVICE TECH I (8506)	AUTO TECH II (8507)	AUTO TECH III (8508)
ELECTIVE			AUTO TECH II (8507)	AUTO TECH III (8508)

### Recommended Electives:

Accounting (6320)

CIS (6612)

Advanced Accounting (6321)

Advanced CIS 613

Internship (9828)

Welding I (8672), II (8673), 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.



## **Building Trades:**

(Badger South Campus)

This program prepares students to erect, install, maintain and repair buildings and other structures using metal, wood, brick, concrete and composition substances. Students develop skills in estimating costs; fastening, cutting, and fitting various materials; using hand and power tools; and following technical specifications and blueprints. Instruction in residential plumbing and electrical wiring is included.

**Building Trades I 8515** Grade: 10-11 Credits: 2 **Prerequisite:** None  
Students are introduced to power tool uses and safety. Students will learn the skills of basic framing, material calculation, and construction.

**Building Trades II 8516** Grade: 11-12 Credits: 3 or 4 **Prerequisite:** Building Trades I  
Students will learn advanced framing, site layout and preparation, plumbing, brick masonry, and basic residential wiring.

**Building Trades III 8517** Grade: 12 Credits: 3 or 4 **Prerequisite:** Building Trades II  
Students will study advanced blue print reading, construction management, and all aspects of application and permit processes.

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 Building Trades.

**Certification Opportunities:** Core: Introductory Craft Skills, National Construction Career Test (NCCER)

Shingle Application  
Custom Trim & Vinyl Siding  
Class C Contractor's License

**Verified Credits:** Students have the opportunity to earn a verified credit by passing the National Center For Construction Education & Research exam.

**Entry Level Careers:** Carpenter, Electrician Assistant, Cement & Masonry Assistant, and Plumbing Assistant

**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 TECHNICAL CENTER PROGRAMS

## BADGER BUILDING TRADES 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 15 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 15-credit requirement. For students traveling to a Badger program, a minimum of 13 credits must be earned.

SUBJECT	GRADE 9	GRADE 10	GRADE 11	GRADE 12
ENGLISH	ENGLISH 9 (1130, 1132)	ENGLISH 10 (1140, 1142)	ENGLISH II (1150, 1152)	ENGLISH 12 (1160)
MATH*	ALGEBRA I-PART I & II (3131 & 3132) OR ALGEBRA I (3130)	GEOMETRY PART I & II (3144 & 3145) OR GEOMETRY (3143)	ALGEBRA II (3135) OR COMPUTER MATH (3184) OR PROBABILITY & STATISTICS (3190)	
SCIENCE	EARTH SCIENCE (4210)	BIOLOGY I (4310)	PHYSICS (4510) OR CHEMISTRY (4410) OR EQUIVALENT	ELECTIVE SCIENCE
SOCIAL SCIENCE	WORLD GEOGRAPHY (2210)	WORLD HISTORY I & WORLD GEOGRAPHY (2215)	VA/US HISTORY (2360, 2361)	VA/US GOVERNMENT (2440)
ECONOMICS AND PERSONAL FINANCE			ECONOMICS AND PERSONAL FINANCE (6120)	
HEALTH/PHYS. ED	HPE 9 (7300)	HPE 10 (7400)		
OCCUPATIONAL COURSES	KEYBOARDING (6152)	ACCOUNTING (6320) OR BASIC TECHNICAL DRAWING (8435)	BUILDING TRADES I (8515) OR II (8516)	BUILDING TRADES II (8516) OR III (8517)
OCCUPATIONAL COURSES	PRINCIPLES OF BUSINESS (6115)	BUILDING TRADES I (8515)	BUILDING TRADES I (8515) OR II (8516)	BUILDING TRADES III (8517)
OCCUPATIONAL COURSES		BUILDING TRADES I (8515)	BUILDING TRADES I (8515) OR II (8516)	BUILDING TRADES III (8517)
ELECTIVE			BUILDING TRADES I (8515) OR II (8516)	BUILDING TRADES III (8517)

### Recommended Electives:

Accounting (6320)  
Advanced Accounting (6321)  
CIS (6613)  
Technical Drawing (8435)  
Architectural Drawing/Design (8437)  
Internship (9828)

\*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 & Refrigeration I (8503), II (8504), III (8505)

## **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 8622** Grade: 10-11 Credits: 2

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 8623** Grade: 11-12 Credits: 3 or 4 **Prerequisite:** Computer Systems Technology I

Students will continue with learning about multimedia devices and mass storage; installing, supporting, maintaining, and troubleshooting Windows 9x, 2000, NT, XP, and XP Professional; supporting modems, PC's on a network, PC's on the Internet, notebooks, PDA's, and printers; learning about SCSI; and purchasing or building a PC.

**Computer Systems Technology III 8624** Grade: 12 Credits: 3 or 4 **Prerequisite:** Computer Systems Technology II

Students will do independent study for A+ certification and networking.

The completion of two of these courses will provide the student with career and technical education completer status and a certificate. This program of study allows students to earn three college credits with ESCC. Employment opportunities and continuing programs of study at the college level are available in Computer Systems Technology.

**Certification Opportunities:** A+ Certification

**Verified Credits:** Students have the opportunity to earn a verified credit by passing the Operation System Technologies exam and the Core Hardware Service Technician exam.

**Entry Level Careers:** 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 Work Community College

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

# BADGER TECHNICAL CENTER PROGRAMS

## 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 15 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 15-credit requirement. For students traveling to a Badger program, a minimum of 13 credits must be earned.

SUBJECT	GRADE 9	GRADE 10	GRADE 11	GRADE 12
ENGLISH	ENGLISH 9 (1130, 1132)	ENGLISH 10 (1140, 1142)	ENGLISH 11 (1150, 1152)	ENGLISH 12 (1160)
MATH*	ALGEBRA I-PART I & II (3131 & 3132) OR ALGEBRA I (3130)	GEOMETRY PART I & II (3144 & 3145) OR GEOMETRY (3143)	ALGEBRA II (3135) OR COMPUTER MATH (3184) OR PROBABILITY & STATISTICS (3190)	
SCIENCE	EARTH SCIENCE (4210)	BIOLOGY I (4310)	PHYSICS (4510) OR CHEMISTRY (4410) OR EQUIVALENT	ELECTIVE SCIENCE
SOCIAL SCIENCE	WORLD GEOGRAPHY (2210)	WORLD HISTORY I & WORLD GEOGRAPHY (2215)	VA/US HISTORY (2360, 2361)	VA/US GOVERNMENT (2440)
ECONOMICS AND PERSONAL FINANCE			ECONOMICS AND PERSONAL FINANCE (6120)	
HEALTH/PHYS. ED	HPE 9 (7300)	HPE 10 (7400)		
OCCUPATIONAL COURSES	KEYBOARDING (6152)	CIS (6112) OR ENGINEERING DRAWING (8436)	COMPUTER SYS TECH I (8622) OR II (8623)	COMPUTER SYS TECH II (8623) OR III (8624)
OCCUPATIONAL COURSES	PRINCIPLES OF BUSINESS (6115) OR BASIC TECHNICAL DRAWING (8435)	COMPUTER SYS TECH I (8622)	COMPUTER SYS TECH II (8623)	COMPUTER SYS TECH III (8624)
OCCUPATIONAL COURSES		COMPUTER SYS TECH I	COMPUTER SYS TECH II (8623)	COMPUTER SYS TECH III (8624)
ELECTIVE		ADVANCED CIS (6613)	COMPUTER SYS TECH II (8623)	COMPUTER SYS TECH III (8624)

### Recommended Electives:

Accounting (6320)  
CIS (6612)  
Desktop/Multimedia Presentations (6630)  
Advanced CIS (6613)  
Internship (9828)

\*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 8527 Grade:** 11 **Credits:** 1 or 2 **Prerequisite:** None

Students will learn manicuring/pedicuring, shampooing, cutting, styling, permanent waving/relaxing, and many other practices of cosmetology.

**Cosmetology II 8528 Grade:** 12 **Credits:** 3 or 4 **Prerequisite:** Cosmetology I

Students will learn about artificial nails, hair coloring, make-up and facials, and waxing. Theory will include anatomy, chemistry, electricity, salon management and employment. Cosmetology II students will have the opportunity to offer services to the public.

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

**Certification Opportunities:** Virginia State Board of Registered Professional Hairdressers License

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

**Entry Level Careers:** Stylist Assistant, Salon Stylist, Nail Technician/Manicurist, Skin Care Specialist, Session Stylist, Platform Artist, Distributor, and Instructor

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

# BADGER TECHNICAL CENTER PROGRAMS

## 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 15 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 15-credit requirement. For students traveling to a Badger program, a minimum of 13 credits must be earned.

SUBJECT	GRADE 9	GRADE 10	GRADE 11	GRADE 12
ENGLISH	ENGLISH 9 (1130, 1132)	ENGLISH 10 (1140, 1142)	ENGLISH 11 (1150, 1152)	ENGLISH 12 (1160)
MATH*	ALGEBRA I-PART I & II (3131 & 3132) OR ALGEBRA I (3130)	GEOMETRY PART I & II (3144 & 3145) OR GEOMETRY (3143)	ALGEBRA II (3135) OR COMPUTER MATH (3184) OR PROBABILITY & STATISTICS (3190)	
SCIENCE	EARTH SCIENCE (4210)	BIOLOGY I (4310)	PHYSICS (4510) OR CHEMISTRY (4410) OR EQUIVALENT	
SOCIAL SCIENCE	WORLD GEOGRAPHY (2210)	WORLD HISTORY I & WORLD GEOGRAPHY (2215)	VA/US HISTORY (2360, 2361)	VA/US GOVERNMENT (2440)
ECONOMICS AND PERSONAL FINANCE			ECONOMICS AND PERSONAL FINANCE (6120)	
HEALTH/PHYS. ED	HPE 9 (7300)	HPE 10 (7400)		
OCCUPATIONAL COURSES	KEYBOARDING (6152)	ACCOUNTING (6320)	COSMETOLOGY I (8527)	COSMETOLOGY II (8528)
OCCUPATIONAL COURSES	PRINCIPLES OF BUSINESS (6115)	OFFICE ADMINISTRATION (6621)	COSMETOLOGY I (8527)	COSMETOLOGY II (8528)
OCCUPATIONAL COURSES			ADV ACCOUNTING (6321)	COSMETOLOGY II (8528)
ELECTIVE			CIS (6612)	COSMETOLOGY II (8528)

### Recommended Electives:

Advanced Accounting (6321)  
Advanced CIS (6613)  
Internship (9828)  
Art (9120)

\*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 Sciences

(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 aid. On-the-job instruction in nursing homes and hospitals is an integral part of the course.

**Nurse Aide I 8360** Grade: 11 Credits: 1 (Semester Course)

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.

**Required:** Anatomy & Physiology

**Nurse Aide II 8362** Grade: 12 Credits: 3 or 4 (year-long double block course)

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." **Prerequisite:** Nurse Aide I

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

**Certification Opportunities:** Nurse Aide License

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

**Entry Level Careers:** Certified Nurse Aide, Personal Care Aide, and Home Health Aide

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

# BADGER TECHNICAL CENTER PROGRAMS

## 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 15 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 15-credit requirement. For students traveling to a Badger program, a minimum of 13 credits must be earned.

SUBJECT	GRADE 9	GRADE 10	GRADE 11	GRADE 12
ENGLISH	ENGLISH 9 (1130, 1132)	ENGLISH 10 (1140, 1142)	ENGLISH 11 (1150, 1152)	ENGLISH 12 (1160)
MATH*	ALGEBRA I-PART I & II (3131 & 3132) OR ALGEBRA I (3130)	GEOMETRY PART I & II (3144 & 3145) OR GEOMETRY (3143)	ALGEBRA II (3135) OR COMPUTER MATH (3184) OR PROBABILITY & STATISTICS (3190)	
SCIENCE	EARTH SCIENCE (4210)	BIOLOGY I (4310)	HUMAN ANATOMY & PHYSIOLOGY (4330)	CHEMISTRY (4410)
SOCIAL SCIENCE	WORLD GEOGRAPHY (2210)	WORLD HISTORY I & WORLD GEOGRAPHY (2215)	VA/US HISTORY (2360, 2361)	VA/US GOVERNMENT (2440)
ECONOMICS AND PERSONAL FINANCE			ECONOMICS AND PERSONAL FINANCE (6120)	
HEALTH/PHYS. ED	HPE 9(7300)	HPE 10 (7400)		
OCCUPATIONAL COURSES	KEYBOARDING (6152)	OFFICE ADMINISTRATION (6621)	NURSE AIDE I (8360)	NURSE AIDE II (8362)
OCCUPATIONAL COURSES	ELECTIVE	WORD PROCESSING (6625)	ELECTIVE	NURSE AIDE II (8362)
OCCUPATIONAL COURSES			ELECTIVE	NURSE AIDE II (8362)
ELECTIVE			ELECTIVE	NURSE AIDE II (8362)

### Recommended Electives:

Foreign Language

Internship (9828)

CIS (6612)

Advanced CIS (6613)

\*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 & 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 8503** Grade: 10-11 Credits: 2 **Prerequisite:** None

Students will learn shop safety and will learn how to use torches, solder and silver braze, check and repair leaks, recover refrigerant, evacuate a system, charge an air conditioner, use electrical meters, and read wiring diagrams. The basic theory of refrigeration and electricity will be taught.

**HVAC & R II 8504** Grade: 11-12 Credits: 3 or 4 **Prerequisite:** HVAC & R I

Students will learn oil burner and gas furnace operation, adjustment, maintenance, and troubleshooting, and will learn heat pump and central air conditioning operation, installation, maintenance, and troubleshooting.

**HVAC & R III 8505** Grade: 12 Credits: 3 or 4 **Prerequisite:** HVAC & R II

Level 3 students will be involved in advanced troubleshooting, building heat load calculations, ductwork design and installation, air velocity measurements and calculations, humidity control and commercial refrigeration.

The completion of two of these courses will provide the student with career and technical education completion status and a certificate. Students will be able to sit for the EPA Refrigerant exam to earn their Universal License. Employment opportunities and continuing programs of study at the college level are available in Heating, Ventilation, Air Conditioning & Refrigeration.

**Certification Opportunities:** EPA Technician

R410A Refrigerant Certification

Air Conditioning Excellence Certification

Electrical Certification

**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.

**Entry Level Careers:** Technician Assistant, HVACR Sales, and Plumbing Assistant

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

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

# **BADGER TECHNICAL CENTER PROGRAMS**

## **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 15 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 15-credit requirement. For students traveling to a Badger program, a minimum of 13 credits must be earned.

SUBJECT	GRADE 9	GRADE 10	GRADE 11	GRADE 12
ENGLISH	ENGLISH 9 (1130, 1132)	ENGLISH 10 (1140, 1142)	ENGLISH 11 (1150, 1152)	ENGLISH 12 (1160)
MATH*	ALGEBRA I-PART I & II (3131 & 3132) OR ALGEBRA I (3130)	GEOMETRY PART I & II (3144 & 3145) OR GEOMETRY (3143)	ALGEBRA II (3135) OR COMPUTER MATH (3184) OR PROBABILITY & STATISTICS (3190)	
SCIENCE	EARTH SCIENCE (4210)	BIOLOGY I (4310)	PHYSICS (4510) OR CHEMISTRY (4410) OR EQUIVALENT	ELECTIVE SCIENCE
SOCIAL SCIENCE	WORLD GEOGRAPHY (2210)	WORLD HISTORY I & WORLD GEOGRAPHY (2215)	VA/US HISTORY (2360, 2361)	VA/US GOVERNMENT (2440)
ECONOMICS AND PERSONAL FINANCE			ECONOMICS AND PERSONAL FINANCE (6120)	
HEALTH/PHYS. ED	HPE 9 (7300)	HPE 10 (7400)		
OCCUPATIONAL COURSES	KEYBOARDING (6152)	ACCOUNTING (6320)	HVACR I (8503) OR II (8504)	HVACR II (8504) OR III (8505)
OCCUPATIONAL COURSES	PRINCIPLES OF BUSINESS (6115)	HVACR I (8503)	HVACR II (8504)	HVACR III (8505)
OCCUPATIONAL COURSES		HVACR I (8503)	HVACR II (8504)	HVACR III (8505)
ELECTIVE	TECHNICAL DRAWING (8435)	ARCHITECTURAL DRAWING (8437)	HVACR II (8504)	HVACR III (8505)

### **Recommended Electives:**

Accounting (6320)

CIS (6613)

Technical Drawing (8435)

Architectural Drawing/Design (8437)

Advanced Accounting (6321)

Internship (9828)

\* 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 8672** Grade: 10-11

Credits: 2 **Prerequisite:** None

Students will learn welding safety, oxyfuel cutting, base metal preparation, weld quality, SMAW—equipment and setup, SMAW—electrodes and selection, SMAW—beads and fillet welds, SMAW—groove welds with backing, and joint fit-up and alignment.

### **Welding II 8673** Grade: 11-12

Credits: 3 or 4 **Prerequisite:** Welding I

Students will learn welding symbols, reading welding detail drawings, air carbon cutting and gouging, plasma arc cutting, GMAW and FCAW—equipment and filler metals, GMAW and FCAW—plate, GTAW—equipment and filler materials, and GTAW—plate.

### **Welding III 8674** Grade: 12

Credits: 3 or 4 **Prerequisite:** Welding II

Students will utilize the skills they learned in Welding I and II for independent work in the lab setting.

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:** Welding National Construction Career Test

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

**Entry Level Careers:** Welder, Equipment Sales, Equipment Repair, Flame Cutter, and Tack 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 TECHNICAL CENTER PROGRAMS**  
**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

For any standard diploma, a minimum of 15 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 15-credit requirement. For students traveling to a Badger program, a minimum of 13 credits must be earned.

SUBJECT	GRADE 9	GRADE 10	GRADE 11	GRADE 12
ENGLISH	ENGLISH 9 (1130, 1132)	ENGLISH 10 (1140, 1142)	ENGLISH 11 (1150, 1152)	ENGLISH 12 (1160)
MATH*	ALGEBRA I-PART I & II (3131 & 3132) OR ALGEBRA I (3130)	GEOMETRY PART I & II (3144 & 3145) OR GEOMETRY (3143)	ALGEBRA II (3135) OR COMPUTER MATH (3184) OR PROBABILITY & STATISTICS (3190)	
SCIENCE	EARTH SCIENCE (4210)	BIOLOGY I (4310)	PHYSICS (4510) OR CHEMISTRY (4410) OR EQUIVALENT	ELECTIVE SCIENCE
SOCIAL SCIENCE	WORLD GEOGRAPHY (2210)	WORLD HISTORY I & WORLD GEOGRAPHY (2215)	VA/US HISTORY (2360, 2361)	VA/US GOVERNMENT (2440)
ECONOMICS AND PERSONAL FINANCE			ECONOMICS AND PERSONAL FINANCE (6120)	
HEALTH/PHYS. ED	HPE 9 (7300)	HPE 10 (7400)		
OCCUPATIONAL COURSES	KEYBOARDING (6152)	ACCOUNTING (6320)	WELDING I (8672) OR WELDING II (8673)	WELDING II (8673) OR III (8674)
OCCUPATIONAL COURSES	PRINCIPLES OF BUSINESS (6115)	WELDING I (8672)	WELDING II (8673)	WELDING III (8674)
OCCUPATIONAL COURSES		WELDING I (8672)	WELDING II (8673)	WELDING III (8674)
ELECTIVE	TECHNICAL DRAWING (8435)	ENGINEERING DRAW (8436)	WELDING II (8673)	WELDING III (8674)

**Recommended Electives:**

Accounting (6320)  
 CIS (6612)  
 Advanced Accounting (6321)  
 Technical Drawing (8435)  
 Engineering Drawing/Design (8436)  
 Internship (982)

\*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 (Vocational Industrial Clubs of America)** 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.