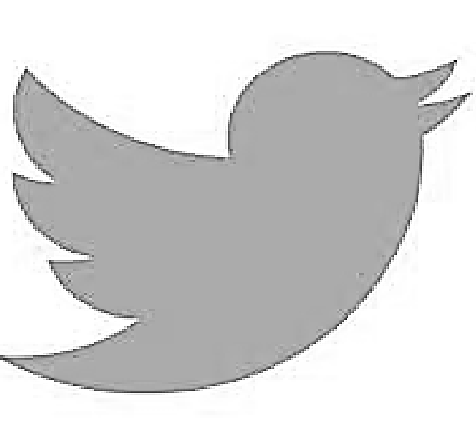
Anderson County High School

2013 - 2014

Career Pathway Registration Guide



Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Appt. Date**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ A**ppt. Time**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

ANDERSON COUNTY HIGH SCHOOL

**REGISTRATION GUIDE**

**2013-2014**

130 Maverick Circle

Clinton, TN 37716

Phone: 865-457-4716 FAX: 865-457-3398

***WEB SITES***

Anderson County Schools: **www.acs.ac**

Anderson County High School Guidance: **http://www.achs.acs.ac/?PageName=‘Guidance’ /**

***ADMINISTRATION***

**Anderson County High School**:

Andrea Russell Principal

Ben Downs, Travis Freeman, Travis Hutcheson Assistant Principals

Gary Terry . Athletic Director/Asst Principal

Pam Foust & Sandy Ridenour Secretary

**Anderson County Career and Technical Center 865- 457- 4205**

Kelly Myers Principal

Robbie Herrell .Assistant Principal

Tricia Jones .CTE Curriculum Coordinator

Dorothy Fraker Administrative Assistant

Donna Hopper Secretary

***SCHOOL COUNSELING DEPARTMENT***

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**INTRODUCTION**

This handbook is designed to assist you in planning an individualized academic program that fully develops your potential and expands your horizons. As you plan, keep in mind three important things: **(a)** ***your requirements for graduation,* (b) *your future occupational and academic plans, and* (c) *your personal interests and talents****.* Then, with the help of your parents, teachers, and high school counselor, you will be able to design a curriculum that will prepare you for postsecondary education/training and/or the pursuit of your personal career goals.

In order to graduate from a high school in the state of Tennessee, each student must meet the requirements set out by the Tennessee Board of Education.

**ONE EDUCATIONAL PATH**

 All students will pursue a focused program of study preparing them for postsecondary study. While all students may not enter postsecondary training immediately following high school, they must be prepared for lifelong learning. Students will pursue a rigorous high school curriculum that enables them to develop both the technical and academic skills required in today’s global society.

**PROGRAMS OF STUDY**

As part of this curriculum, students will select and complete a Program of Study. A Program of Study requires the completion of at least three (3) courses in a state approved elective focus area. Students are encouraged to select a Program of Study that corresponds with their career interests and will assist in their transition to post-secondary work and training. The successful completion of a Program of Study will develop student skills in a concentrated area and better prepare them for post-secondary success. For a more detailed discussion of Programs of Study, see p. 21

**REGISTRATION POLICY**

Anderson County High School and Anderson County Career and Technical Center have established a policy that, when registering, students are requesting a course, not a specific teacher, time, or place. Furthermore, since any course for which there is insufficient enrollment may be deleted, alternate courses must be selected where appropriate.

Alternate courses replace primary course selections that cannot be scheduled. Consequently, students should only select alternate courses that they definitely are interested in taking. Courses are offered, books and materials are purchased, and teachers are hired based on student course selections made in the spring. It is imperative that students maintain a commitment to these courses.

**Individual Registration Appointments**

* For **CURRENT** 9th-11th graders (’12-‘13), appointments times with counselors will be scheduled during the regular school day. Parents are invited, but not required to attend. A Parent signature is required for course registration.
* For **CURRENT** 8th graders(’12-’13), parents and students need to sign up after the 8th grade parent/student meeting. If this is not possible, call 457-4718 and ask to speak to Sandra Brown. Students must have one or both parents for the registration appointment.

**I.E.P. Registration Appointments**

The Support Services Department of Anderson County High School will be scheduling students who have **I**ndividualized **E**ducational **P**rograms. Most students who have an I.E.P. have already registered during the course of the school year. Please contact **Gena Terry**, Department Head of Support Services, if you think your child did not get registered or have any other questions at **457-4716**.

**SCHEDULE CHANGE POLICY**

Due to the in‑depth registration process, changes in students’ schedules will be minimal. Changes will be made ONLY for the following reasons:

      The student is scheduled to have a teacher under whom he or she previously failed a course. Under these circumstances, the student has the responsibility of informing his or her counselor *prior to the first day of school*.

      The student failed a pre-requisite. An alternate course will be scheduled based on space, availability, and counselor/teacher recommendation.  Change may require rearranging more than one block.

      The student’s schedule is incorrect due to a high school or middle school staff error. Under these circumstances, the appropriate change will be made. Although effort will be made to schedule changes within the same block, it may be necessary to rearrange more than one block to accommodate the change. **NOTE:** These changes need to be made as soon as the mistake becomes apparent to the counselor, student, teacher, or parent.

      The student is placed in a course that was not listed as either a selection or an alternate on the student’s registration form.

(a)     This reason is applicable only for students who fully complete their registration form (rising 9th graders need *six*

*total electives* listed, rising 10th-12th graders need four *alternates* listed)*.*

(b)     Possible changes will be discussed if the student initiates a schedule change *prior to the first day of school.*

(c)     These changes should be made before the semester begins.

**NOTE:  Any course dropped after the first 3 days of class will result in an F for that course and credit will not be given in the substituted course.**

**GRADUATION REQUIREMENTS**

|  |  |  |
| --- | --- | --- |
| **COURSES** | **CREDITS** | **DETAILS** |
| **English** | 4 Credits | **English Options:**  Advanced Placement (AP), Dual Credit, Honors, Regular, Technical |
| **Math** | 4 Credits  (Must include Algebra I, Geometry, Algebra II, & Upper Level Math)  **Must take math every year** | **Upper Level Math Options:**  Bridge Math, Adv. Alg. & Trig,  Pre-Cal, Calculus, or Statistics |
| **Science** | 3 Credits  (Must include Biology I, Chemistry or Physics, & Another Lab Science) | **Chemistry or Physics Options:**  General Chemistry, Chemistry I, Physics |
| **World History or**  **World Geography** | 1 Credit |  |
| **U.S. Govt and Econ** | 0.5 Credits **EACH** | U.S. Govt and Economics are 2 **separate** courses. Students must complete both courses to meet graduation requirements |
| **U.S. History** | 1 Credit |  |
| **P.E./Wellness** | 1.5 Credit  (Must include 1 credit Wellness and 0.5 credits P.E.) | **P.E. course Options:**  P.E., P.E. II, Team Sports, Marching Band, JROTC  **Extracurricular P.E. Options:**  Cheerleading, Dance Team, Varsity Sports |
| **Personal Finance** | 0.5 Credits |  |
| **Program of Study** | 3 Credits | Students must select a Program of Study and complete 3 credits in that area. For complete listings, see p.**21-38** |
| **Foreign Language** | 2 Credits | Must have 2 credits in **SAME** Foreign Language |
| **Fine Arts** | 1 Credit | **Fine Art Options:**  Marching Band, Flags, Chorus, Vis. Art, Crafts, Theatre Arts, Hist. of Rock, Music Theory, Dance, Music Appreciation Dual |
| **Electives** | 6 Credits Minimum |  |
| **TOTAL** | **28 CREDITS** |  |

**NOTE: *In exceptional circumstances, schools may waive the foreign language and fine art requirement for students who are not planning to attend the university to expand and enhance their elective focus*.**

**RECOGNITION**

**REQUIREMENTS FOR THE NATIONAL HONOR SOCIETY**

To be eligible, student must have:

         a 3.5 grade point average

         completed BIOLOGY I H or CHEMISTRY I H and be enrolled in a higher level science

         completed ALGEBRA I H and be enrolled in a higher level math

**STUDENTS WILL BE RECOGNIZED AT GRADUATION AS FOLLOWS:**

* **Graduate with Distinction** – Students will be recognized as graduating with “distinction” by attaining a ‘B’ average (3.0 GPA) and completing at least one of the following:
  + Earn a nationally recognized industry certification
  + Participate in one of the Governor’s Schools
  + Participate in one of the state’s All State musical organizations
  + Be selected as a National Merit Finalist or Semi-Finalist
  + Attain a score of 31 or higher composite score on the ACT
  + Attain a score of 3 or higher on at least two AP exams
  + Earn 12 or more semester hours of transcripted postsecondary credit (dual enrollment)

**Graduate with Honors** – Students who score at or above all of the subject area readiness benchmarks on the ACT (listed below), or equivalent score on the SAT, will graduate with “honors”.

**ACT BENCHMARKS:** English = 18 Math = 22 Reading = 21 Science = 24

**VALEDICTORIAN SELECTION POLICY**

1. One Valedictorian and one Salutatorian will be selected and recognized.
2. Only the first seven (7) school terms will be used to calculate the GPA scores for Valedictorian and Salutatorian
3. A combination score will be used to rank the Valedictorian/Salutatorian: GPA – 35%; Strength of Schedule – 35%, and ACT – 30%
   1. Any student with an un-weighted GPA of 3.8 or higher will qualify and that score will become part of the formula. GPA will be multiplied by 9 to match the ACT scale.
   2. The student’s highest ACT composite score from one test date will become part of the formula. SAT scores will be converted to an ACT scale. No test scores after the December test date of the student’s senior year will be considered.
   3. Strength of schedule. Bonus points will be given as follows. Students will receive a sum total of strength of schedule points by adding together their bonus points from the following areas:
      * Students will be given two (2) bonus points for each AP course taken.
      * Students will be given two (2) bonus point for each dual college credit taken not to exceed eight (8) bonus points for dual enrollment courses (students can only receive bonus points for a maximum of 4 dual enrollment courses).
      * Students will receive one (1) bonus point for each **approved** honors course taken (See list on p. 8). Bonus points will be calculated for all 8 terms. These bonus points will become part of the formula.

The final formula will be calculated as follows: (GPA x 9 x 35%) + (Bonus point sum x 35%) + (ACT x 30%) = SCORE

The student with the highest combined score will be named Valedictorian. The person with the second highest score will be named Salutatorian. In the event of a tie, ACT composite scores will be used to determine Valedictorian and Salutatorian, highest score being the winner. If there is still a tie, the 2nd tiebreaker will be a super-score calculated by taking the highest average of the sub-test scores from the ACT exams.

**\*Valedictorian Policy subject to change starting with the class of 2017**QUALIFIED STRENGTH-OF-SCHEDULE COURSES

The following courses qualify for bonus points for the purpose of selecting the Valedictorian and the Salutatorian and for final ranking of the seniors with GPAs of 3.8 and above:

|  |  |
| --- | --- |
| **1.0 Bonus Point** | **2.0 Bonus Points** |
| English I Honors  English II Honors  English III Honors  English IV Honors  Algebra I Honors  Geometry Honors  Algebra II Honors  Pre- Calculus Honors  Calculus Honors  World History H (Fr Studies or Soph Studies)  Anatomy and Physiology Honors  Biology I Honors  Biology II Honors  Chemistry I Honors  Chemistry II Honors  Physics Honors  Spanish III Honors  1Spanish IV Honors  French III Honors  1French IV Honors  1Only applicable **IF both languages** offer a 4th level during the 2013-2014 school year | English III AP  English IV AP  Calculus AP  US History AP (JR Studies History)  Biology AP  Chemistry AP  **Dual Enrollment Courses** – students will receive 2 Bonus points for each dual enrollment taken for a maximum of 4 dual enrollment courses (8 total points for strength of schedule). |

[](http://schools-demo.clipart.com/search/close-up?oid=3704772&q=graduation&s=31&a=a&cid=&fic=0&k_mode=all&k_exc=&q_jpeg=1&q_gif=1&q_color=1&q_bw=1&q_eps=1&q_wmf=1&q_psd=1&q_png=1&date=&isadv=1)

**TESTING**

**ENHANCEMENT TESTS**

 **Miscellaneous Tests –** Students have the opportunity to take various career-assessments during their high school years. These inventories usually are given through the guidance department. The purpose of these assessments is to give students a more realistic idea of career and college options based on their interests, work values, and/or aptitudes.

 **PSAT –**The PSAT, administered to interested sophomores and juniors in mid-October, serves as a practice test for the SAT. (**For juniors, the PSAT is the National Merit Scholarship Qualifying Test**.) The PSAT measures a student’s verbal, math and writing ability. Interested students must pre-register and pay for this exam in the guidance office. The test will be administered at ACHS.

       **PLAN –** The PLAN is administered to sophomores in the fall. Designed as both a practice ACT and a career interest inventory, this instrument measures a student’s performance level in English, Math, Social Studies, and Science. It also offers an estimated range of the student’s ACT composite score. The test is given at ACHS.

**COLLEGE ENTRANCE EXAMS**

**ACT** – This college entrance examination is comprised of four achievement tests designed to assess students’ critical reasoning and higher-order thinking skills in English, mathematics, reading, and science. The ACT serves as a critical measure of students’ preparation for academic coursework beyond high school. Colleges and universities across the nation use it for admissions, academic advising, course placement, and scholarship decisions. Scoring well on the ACT is one of the best ways for a student to receive an academic scholarship for college. Students are encouraged to apply on-line. There may be a few Registration packets available in the guidance office. The ACT will be provided to all students in the spring of their Junior year. Additionally, the ACT is administered at various test sites throughout the year. Students can take the ACT as many times as necessary to achieve their desired score. Students can register for the ACT online at www.actstudent.org

**SAT** - This college entrance exam measures higher-level verbal reasoning, critical reading, writing and math problem solving skills. Students receive three scores: Verbal, mathematical, and writing.  Although most colleges accept either the ACT or the SAT for college admissions, some schools require SAT subject exams, called the SATII, in addition to the SAT. Registration packets are available in the guidance office or students may apply online. The SAT I and II are administered on specified Saturdays throughout the year.  ACHS recommends taking the SAT the spring of your Junior year.

**STATE TESTS REQUIRED FOR SPECIFIC COURSES**

** EOC EXAMS – END-OF-COURSE EXAMS – End-of-course exams will be required by the state for some courses. The following courses are currently being considered by the state for EOC exams: English I , English II, English III, Algebra I, Geometry, Algebra II, U.S. History, Biology I, Chemistry, and Physics. According to the TN Dept of Education policy, these exams will count 25% of 2nd 9-week grade.**

* **During the 2012-2013 school year, the following EOCs were required: Biology I, Chemistry I, Algebra I, Algebra II, English I, English II, English III and U.S. History. Courses listed above may be added based on state test development.**

Note: Students will not be required to pass any one examination, but instead students must achieve a passing score for the yearly grade in accordance with the State Board of Education’s uniform grading policy.

* Juniors are given the **TCAP Writing Exam** in February. This test assesses students’ strengths and weaknesses in writing.

**Disclaimer**: Test requirements and % counted for course grade are subject to change per state and AC board policy. Details listed above represent policies in place as of Spring 2013. Policies subject to change per TN Dept of Education

**COLLEGE CREDIT**

**GENERAL INFO**

How would you like to begin college with college credits earned while in high school?

**To qualify for dual enrollment classes** (high school and college credit for same course):

* Must be a Junior or Senior
* Must have a minimum GPA 3.0
* Must meet minimum ACT or PLAN scores: 19 Reading, 19 Math, 19 Language & 19 Composite. *Requirements may differ depending on course.*

**Paying for college courses:**

* Total Cost $450 + book for a 3 hour course (Based on 2012-13 tuition)
* Lottery Grant will pay $300 each semester as long as you maintain a 2.75 Roane State Cumulative GPA. NOTE: SEE ADDITIONAL DETAILS ABOUT THE DUAL ENROLLMENT GRANT BELOW
* For the 2012-13 school year - Roane State picked up the additional $150 for the 1st course leaving students responsible only for the book. Students who choose to take two courses in a semester can receive an additional $300 grant (see Dual Enrollment Grant regulations below) but the student will be responsible for paying the additional tuition for the 2nd class ($150 based on 2012-13 tuition and subject to change for the 2013-14 school year) as well as the book. **PLEASE NOTE:** IF YOU ARE TAKING 2 DUAL ENROLLMENT COURSES IN A SINGLE SEMESTER – YOU ALSO MUST MEET QUALIFICATIONS FOR **HOPE SCHOLARSHIP** (3.0 OR 21 ACT).
* A student must keep a 2.75 college GPA to continue earning the Dual Enrollment Grant. Ex: If a student takes Dual English 1st semester and gets a C, that is a 2.0 college GPA and he/she would NOT get the grant for English 2nd semester. If a student earns a C in English but also takes Sociology and earns an A he/she would have a 3.0 college GPA and would continue to qualify for the Dual Enrollment Grant.

**\*Dual Enrollment Grant regulations**:

* A student must maintain a 2.75 COLLEGE GPA to continue receiving the Dual Enrollment Grant.
* A student can receive one additional grant per semester (for an additional course) if the student has a minimum 3.0 GPA or a 21 ACT
* A student may receive 4 Dual Enrollment Grants (@ $300 each, $1,200) with no penalty. Any Dual Enrollment (CTE or academic) course is considered in this total.
* If a student accepts a 5th grant, $300 will be reduced from the initial HOPE award as a freshman in college
* If a student accepts a 6th grant, $600 will be reduced from the initial HOPE award as a freshman in college
* If a student accepts a 7th grant, $900 will be reduced from the initial HOPE award as a freshman in college
* If a student accepts an 8th grant, $1,200 will be reduced from the initial HOPE award as a freshman in college

A student who attends college out of state will NOT have to repay funds from a 5th, 6th, 7th or 8th Dual Enrollment Grant. However, if the student transfers back in-state and receives HOPE, then a reduction would occur on initial award.

**DUAL ENROLLMENT CLASSES ON ACHS CAMPUS**

**Courses offered:** *please refer to course descriptions for more details*

* Senior English/College English 1010/1020 taught during the regular school day during 1st block all year.

**Fall Semester – before school (7:05 – 8:30)**

* Psychology
* Music Appreciation

**Spring Semester – before school (7:05 – 8:30)**

* Speech
* Statistics

**NOTE:**  **Students taking a Dual Credit course before school may opt to not take a 4th block course.**

**DUAL ENROLLMENT CLASSES ON ACCTC CAMPUS (Career/Technical classes)**

**To qualify for dual enrollment classes** (high school and college credit for same course):

* Must be a Junior or Senior
* Must meet minimum High School GPA standards as set by the college or community college of a 2.0 - 3.0 GPA depending on course taking. Check course description for more details.
* ACT – some courses require that an ACT has been taken but a certain score is not required.

**Paying for college courses:**

* Total Cost $450 + book for a 3 hour course\*
* Lottery Grant will pay $300 each semester as long as you maintain a 2.75 Roane State Cumulative GPA.
* For the 2012-13 school year - Roane State picked up the additional $150 dollars for the course leaving students responsible only for the book.
* Pellissippi State similar costs
* A student must keep a 2.75 college GPA to continue earning the Dual Enrollment Grant. Ex: If a student takes Criminal Justice 1st semester and gets a C, that is a 2.0 college GPA and he/she would NOT get the grant for a 2nd semester. If a student earns a C in Criminal Justice but also takes Sociology and earns an A he/she would have a 3.0 college GPA and would continue to qualify for the Dual Enrollment Grant.

**Courses offered:** *please refer to course descriptions for more details*

* Courses offered through **Roane State Community College**
  + EMT – First Responders *limited to seniors only –* offered during the regular school day
  + Accounting I - offered during the regular school day
  + Early Childhood Curriculum and Clinical Practicum - offered during the regular school day
  + Medical Terminology – offered before school 7:05 – 8:30 (2-3 days a week)
  + Criminal Law - offered before school 7:05 – 8:30 (2-3 days a week)
  + Court Procedures - offered before school 7:05 – 8:30 (2-3 days a week)
* Course offered through **Pellissippi State Community College**
  + Multi Media – offered during the regular school day
* Potential Courses offered through **TN Technology Center – Jacksboro**
  + Computer Information Technology
  + Industrial Electricity

DUAL ENROLLMENT CLASSES ON ROANE STATE OR PELLISSIPPI CAMPUS

Students who qualify for dual enrollment (see above) may also choose to leave school for no more than two blocks per semester and take classes on the Roane State or Pellissippi State campus. Counselors can assist you with the enrollment paperwork required. The $300 lottery grant also applies. Students must provide their counselor with a copy of their college schedule and must submit their final college transcript to the counseling office two weeks before ACHS grades are due. Students are responsible to find out all senior information that is announced or distributed during the school day.

**ADVANCED STUDIES**

Students wishing to attend college and NOT receive dual credit for high school courses may apply for advanced studies at RSCC or PSTCC. These courses meet in the evening or on the weekend. NOTE: Procedure for advanced studies is the same as for dual credit (see above).

**ADVANCED PLACEMENT**

Each college/university sets its own standard for awarding college credit based on AP exam scores.

[](http://schools-demo.clipart.com/search/close-up?oid=3951847&q=college&s=1&a=a&k_mode=all&k_exc=&q_jpeg=1&q_gif=1&q_color=1&q_bw=1&q_eps=1&q_wmf=1&q_psd=1&q_png=1&date=&isadv=1)ANDERSON COUNTY SCHOOLS

EARLY GRADUATION POLICY

(ACBE 4.708)

A student who meets all graduation requirements as established by the State of Tennessee and the Anderson County Board of Education may graduate early [fewer than eight (8) terms in attendance] as follows:

## EARLY EXIT TO POST-SECONDARY EDUCATION

1. Student must complete a *Declaration of Early Graduation* form during the second term of his or her Junior year, which must be signed by the student, parent/guardian, counselor, and principal and returned to the school’s guidance office by April 1st of said year.
2. Student must have a minimum G.P.A. 3.5 AND minimum ACT score of 27.
3. Student must complete four units of math by the end of the 7th term including Algebra I, Algebra II, geometry, and at least one higher math.
4. Student must meet one (1) of the following conditions:

* Be enrolled in a college or university with no deficiencies. OR
* Be enrolled full time in a certificate program at a community college/technical school. OR
* Be accepted into a full time Department of Labor approved apprenticeship program.

1. Student must complete all class work and exams on the regular high school schedule. NOTE: Student and parent must make arrangements with college or university if terms overlap.

## EARLY EXIT THROUGH HARDSHIP

A student applying for early exit due to hardship must submit a request in writing and provide documentation to a review team for approval. The review team will consist of a high school counselor, a principal or assistant principal, a teacher, the Secondary Supervisor, and the Director of Student Services. Recommendation will be forwarded to the Director of Schools.

**EARLY GRADUATION DETAILS**

* The student’s official date of graduation will be the last day of the term in which he or she meets all graduation requirements.
* As a graduate, he or she will forfeit the right to participate in student activities [e.g., sports, prom (except as a guest of a full-time student), etc.]
* Student will be permitted to participate in graduation ceremonies at the end of the year.

# OTHER EXIT POSSIBILITIES

* **Early Admissions To College Or University** (Student does not attend any part of his or her senior year.)
* Student must have a minimum 3.5 G.P.A and a minimum ACT score of 29
* Student must be accepted at a college or university that permits early admission students.

**Clubs and Organizations at ACHS**

**Academic Clubs**

          **N.H.S.** (National Honor Society)

     **Organizational Goal-** To create an enthusiasm for scholarship, stimulate a desire to render service, promote worthy leadership and encourage the development of character.

       **Requirements –** Eligible after 1st semester sophomore year; Must have a 3.5 GPA and have completed Algebra I H, Biology I H, or Chemistry I H and be enrolled in an upper level math and science. Freshmen need to keep their grades up so that they can participate later.

       **Activities –** Various community service projects, such as collecting money and buying toys and clothing for children for Christmas, collecting coats and other needed items for homeless shelters, serving dinner at homeless shelter.

       **How can I join?** By invitation only.

* **Sponsors –** Carmen Barrera

          **Scholars’ Club**

       **Organizational Goal-** Prepare for annual participation in various academic competitions such as the East Tennessee Scholars’ Bowl competition sponsored by East Tennessee Public Broadcasting, the Tennessee Science Bowl, and University of Tennessee Ethics Bowl. This club also hosts and pursues a varied array of topics and academic interests of members.

       **Requirements –** An interest in competing against other students using what you know

       **Meeting Schedule/Location** – During club time and occasionally after school in 040

       **Activities –** Any academic competition

       **How can I join?** Contact Ms. Watkins or any member of the Scholars’ Club

       **Sponsors –** Jacqueline Watkins

          **French Honor Society**

       **Organizational Goal-** is a nationally recognized academic and service organization oriented towards awareness and proliferation of French Language and Francophone cultures.

       **Requirements – minimum 3.5 overall GPA and have maintained a B+ average in French I and II and continue to maintain set average in upper level French.**

       **Activities – 12 community service hours, regular attendance, and 1 group service project promoting the education and awareness of the French language, culture, and history.  An formal induction ceremony is held each spring and students are chorded for graduation.**

       **How can I join? Invitations are extended to students enrolled in French III and meet the grade reqs**

* **Sponsors –** Kayla Watson

          **Sociedad Honoraria Hispánica (Spanish Honor Society)**

       **Organizational Goal-** To recognize the high achievement of high school students in the Spanish language and to promote a continuing interest in Hispanic studies.

       **Requirements –** To be eligible, students must have completed 1 ½ years of Spanish; must be in their sophomore year or higher; must have a minimum 3.5 overall GPA; and must have maintained an A/B average in Spanish classes.

       **Activities –** Various community service projects, such as working with Hispanics in the community and teaching Spanish to elementary and middle school students. A formal induction ceremony will be held once per year. Seniors wear honor cords at graduation.

       **How can I join?** By invitation only.

       **Sponsors –** Holly White

**Athletics -** ACHS Athletic Director Gary Terry

          **Boys’ Teams – the following require tryouts.  Contact coaches for details.**

       **Baseball –**  Ben Downs

       **Basketball-**  Derek Wallace

       **Cross Country –** Travis Hutcheson

       **Football –**Davey Gillum

       **Golf –** Nick Lollar

       **Soccer –**  Sammy Woodfin

       **Swimming** John Barker, 865-776-2689, johnjbarker@comcast.net. and Hanah Jenkins

       **Track –** Dale Caldwell and Bill Palmer

          **Girls’ Teams- the following require tryouts.  Contact coaches for details.**

       **Basketball –**  Mike Ellis

       **Cross Country –** Travis Hutcheson

       **Soccer –** Sammy Woodfin

       **Softball –**  Carey Downs

       **Swimming –** John Barker and Phil Warfield

       **Volleyball –** Jayme Smith – Tryouts May 23-24, 4pm-6pm

       **Tennis –** Daniel Sexton

       **Track –** Al Rodd and Bill Palmer

          **ACHS CHEERLEADERS**

       **Organizational Goal-**To promote school spirit as we represent Anderson County High School, while demonstrating gymnastic excellence, leadership and citizenship.

       **Requirements –** 2.0 GPA; Strong attendance and leadership skills; selection is through tryout; teacher/principal recommendation; $800-$1,000 cost commitment for cheer camp, uniforms, transportation, gymnastic instruction.

       **Activities –**  Promotional activities at festivals, fund raising, athletic competitions

       **How can I join?-** Meet qualifications and selection at tryout

* **Coach –** Jeni Irwin

          **ACHS BASKETBALL TEAM**

       **Organizational Goal -**To strive for excellence on the court, in the classroon, and in the community.

* **Requirements –**Tryouts in May! Maintain a C GPA and be a good steward for the program. Contact dwallace@acs.ac for details
* **Practice Schedule** – May and June =Summer practice and camp, Fall--Conditioning/Weights, Winter--Regular Season
* **Activities –** Games 2-3 nights a week, some weekends and holidays
* **How can I join?-** contact Coach @ dwallace@acs.ac
* **Coach –** Derek Wallace, Mitch Cupples, & Brian Stewart

          **ACHS BASEBALL TEAM**

       **Organizational Goal -**To develop teamwork, sportsmanship, responsibility, discipline, and commitment while striving for a successful program.

       **Requirements – Must TRYOUT in MAY!** Contact Coach Downs for exact date and time.

       **Practice Schedule** – **Fall Schedule**: Aug – Dec : M, T, R 4:00 – 5:30 . **Spring Schedule**: Jan-May 3:30 -7

       **Activities –** Games 5-6 days a week, some weekends and overnight trips.

       **How can I join?-** contact Ben Downs @ BDowns@acs.ac

       **Coach –** Ben Downs

          **ACHS SOFTBALL TEAM**

* **Organizational Goal -**To develop teamwork, sportsmanship, responsibility, discipline, and commitment while striving for a successful program.
* Requirements – Try-outs and commitment
* Practice Schedule – Fall Conditioning: Aug – Dec, M, Tu, & Th 4 – 5:30; Jan-Feb open facilities 4 -5:30 M-Th; Feb-May – full time dedication. Practices M-F 3:30-6, Tournaments on some weekends, some summer

       **Activities –** Games 4-5 days a week and several weekends

       **How can I join?- Contact** Travis Freeman, freeman@acs.ac

       **Coach –** Travis Freeman

          **CROSS – COUNTRY TEAM**

       **Organizational Goal-** Build endurance, strength, and character and to achieve personal running records

       **Requirements –** All grade levels welcome, students must have a physical and drug test.

       **Meeting Schedule and Location –** after school practices until 5:00/5:30 at the track.

       **Activities –**Participating in meets that consist of running 3 miles and races at various locations.

       **How can I join?** Contact Travis Hutcheson

       **Coach -** Travis Hutcheson

          **MAVERICKS BOYS SOCCER**

       **Organizational Goal -** develop teamwork, sportsmanship, responsibility, and commitment through competition.

       **Requirements –** Satisfactory Conduct and TSSAA academic requirements.

       **Practice Schedule –** DEC – JAN 4:00 – 5:00 strength training & conditioning; FEB – MAY 4:00 – 6:00 M-F.

       **Activities –**JV & Varsity games, In-door games, camp

       **How can I join?** Contact Coach/Athletic Director in December

       **Coach –** Sammy Woodfin

          **MAVERICKS GIRLS SOCCER**

       **Organizational Goal -** develop teamwork, sportsmanship, responsibility, and commitment through competition.

       **Requirements –** Satisfactory Conduct and TSSAA academic requirements.

       **Practice Schedule –** JUNE – JULY strength training & conditioning; AUG- OCT 4:00 – 6:00 M-F.

       **Activities –**JV & Varsity games, In-door games, camp

       **How can I join?** Contact Coach/Athletic Director in May.

       **Coach –** Sammy Woodfin

          **ACHS TRACK PROGRAM**

       **Organizational Goal-** Opportunity to achieve individual and team records and goals. Building strength, endurance, speed, vertical leap and confidence.

       **Requirements –** Physical, Drug Test; no tryout - Everyone participates at Varsity level (no one sits the bench).

       **Practice Schedule –** Pre-Season workouts Jan-Feb/ Season Workouts – M-F 3:40 – 5:30/6:00.

       **Activities** – Field events/speed events/ distance events/ relays.

       **How can I join?** Contact Al Rodd 457-4716

       **Coach-** Al Rodd or Dale Caldwell

          **ACHS GIRLS’ TENNIS**

       **Organizational Goal -** Teamwork, Sportsmanship, responsibility, discipline.

       **Requirements –** 2.5 GPA; Attendance, Racquet, tennis fundamentals, a willingness to learn.

       **Practice  Schedule –** February - May

       **Activities** –  Athletic competitions and practice

       **How can I join?** Tryouts/ contact coach

       **Coach-** Daniel Sexton

          **LADY MAV VOLLEYBALL**

       **Organizational Goal-** Be the BEST we can be!

       **Requirements –** Commitment, dedication, toughness, winning attitude, fun-loving, athletic ability. No volleyball knowledge required, we can teach you!

       **Practice Schedule –** Tryouts May 22 and 23 from 4:00 - 6:00

       **Activities –** Compete for State Championship title, camp, overnight trips, and team outings.

       **How can I join?** Try out this Spring

       **Coach –**Jayme Smith

**Course Related Clubs** (students will receive high school credit for each semester enrolled)

          **ACHS BAND AND FLAGS**

       **Organizational Goal-** To give our students the opportunity to be in a high quality performing high school band, teaching students musical skills, performance skills, leadership skills, and ensemble skills.

       **Requirements –** Successful graduate of a Middle School band program or audition.

       **Meeting Schedule –** Band camp 2008 REQUIRED Last two weeks of July. After school practice 2 days a week August through October. (Band – Tues. & Thurs.  3:15 – 5:00) (Flags – Monday or Tuesday nights 6:00 – 9:00 & Thursday 3:15 – 5:00). 4th block class all year (flags fall only). Flag tryouts will be announce through Middle School band.

       **Activities –** Performance at every ACHS football game,3 Marching Band Contests (Sept & Oct), Area Christmas Parades, Community performances and Christmas and Spring concerts as well as State Concert Band Festival.

       **How can I join?** Flags will have an after school meeting this Spring at ACHS and then tryouts in May for open slots. Summer Flag camp in June and summer practices are mandatory.

       **Director**- Paul Brown

          **Navy Junior ROTC / NJROTC Color Guard & Drill Team**

       **Organizational Goal - To teach citizenship, leadership, service to the nation and develop a sense of accomplishment in high school students** - The goals of the Color Guard and drill teams contribute to these overall goals by Developing Military Bearing, Demonstrating Precision and Orderliness in Military Drill, Presenting Colors for School & Community Events & Participating in JROTC Competition with other area units.

       **Requirements –** NJROTC, C average

       **Meeting Schedule and Location –** 3:15-4:30 - 3 days per week, plus summer and weekend practice.

       **Activities –** Trips to military bases in Pensacola, FL; Quantico, VA and other competition sites.

       **How can I join?** Take NJROTC as a class.

       **Sponsors –** Commander Mariner & Chief Davis

          **SHOW CHOIR**

       Organizational Goal- To achieve a high level of performance in many different musical arenas.

       **Requirements –** Audition required

       **Meeting Schedule-** 3rd block Fall semester with some additional rehearsals after school.

       **Activities –** Singing, dancing, participation in Fall & Christmas Concerts, Graduation, and various trips & competitions.

       **How can I join?**  Audition only – Sing one piece of music, dance and sight – reading.

       **Sponsor**- Stephanie Coker

       **CONCERT CHOIR**       **Organizational Goal- To achieve a high level of performance in many different musical arenas.**       **Requirements- Audition required**       **Meeting Schedule- 3rd block Spring Semester**       **Activities- Singing. Participation in Spring Concerts, Graduation, Choral Festivals, and Various trips**

**and competitions.**       **How Can I Join? Audition Only-Sing one piece of music and sight read**       **Sponsor- Stephanie Coker**

**Fine Arts/Performance Clubs**

          **DRAMA CLUB**

       **Organizational Goal -** To allow students who are interested in the performing arts an opportunity to participate.

       **Requirements –** Any grade can join.

       **Meeting Schedule-** After school rehearsals, will vary with each project.

       **Activities –** Primarily plays and field trips.

       **How can I join? –** Look for our table on Maverick Day or attend the first scheduled meeting during club time.

* **Sponsor**- Ginger Cook

         **ART CLUB**

       **Organizational Goal -** To allow students with an interest in the visual arts an opportunity to make art outside of class.

       **Requirements –** Any grade can join, $20 Art fee required

       **Meeting Schedule-** club days and after school for planned extra activities

* **Activities –** extra help with projects, building portfolios, projects during club day, after school meetings for projects not available in class.

       **How can I join? –** Attend the first scheduled meeting during club time in room 502 Art

* **Sponsor**- Betsy Julian

**Service Clubs**

          **LEO**

       **Organizational Goal-** Community Service

       **Requirements –** A generous heart and a commitment to activities outside of school hours.

       **Meeting Schedule and Location –** Once a month during club time, occasional meetings after school – Mrs. Jeni Irwin’s (Folck) room.

       **Activities –** We strive to complete one activity per month such as: Relay for life, Feed a Family, Pennies for Patients, etc

       **How can I join?** Come to club meetings, participate and pay club dues ($5).

* **Sponsors –** Jeni Irwin (Folck), Mrs. Andrea Russell

          **INTERACT**

       **Organizational Goal-** Community Service

       **Requirements –** Attend all meetings and participate in in-school and after-school community service projects.

       **Meeting Schedule and Location –** Every Club Day in Mrs. Bealer's room (Room 138).

       **Activities –** Various local, national, and international community service projects (such as food drives, etc.)

       **How can I join?** Come to club meetings, participate and pay club dues ($1).

       **Sponsors –** Ashley Bealer, Jen Bradford

          **STUDENT GOVERNMENT ASSOCIATION (SGA)**

       **Organization Goal –** To respond to the wishes and rights of our constituents, the Student Body of ACHS

       **Requirements for Joining –**Teacher recommendation and student support

       **Meeting Schedule and Location –** Every other Monday during advisory in Mrs. Russell’s room (141)

       **Activities –**Student Council is a student-led voice for the students at ACHS.  Members are responsible for attending school board meeting, meetings with administration, Homecoming festivities, pep rallies, teacher appreciation, and community service projects.

       **How can I join? *–*** Elections are held at the beginning of each school year for representatives

       **Sponsors –** Randi Russell

**Special Interest Clubs**

          **Film Club**

       **Organizational Goal -** To get film buffs together and discuss films of interest. It’s not a *class,* but a *club*.

       **Requirements –** a love of movies and a willingness to talk about films with other readers. Students must submit a signed permission slip

       **Meeting Schedule and Location –** We meet on club days in room 144 to decide on our next movie. We nominate films and then vote on which we’ll watch next.

       **Activities -** During club meetings each month we may pick an outside movie to go see as a group.

       **How can I join?**Sign up on Maverick Day or come to the first meeting.

       **Sponsor –** Caroline McGaha

          **FCA**(Fellowship of Christian Athletes)

       **Organizational Goal-** Romans 12:1

       **Requirements –**  none

       **Meeting Schedule and Location –** Friday during Club time in the gymnasium

       **How can I join?**Just come join us

       **Sponsors –** Mitch Cupples

          **ROOTS** (Environmental club)

       **Organizational Goal -** Every choice we make regarding the earth, air & water around us should be made with the objective of preserving it for all generations to come.

       **Requirements –**  all grade levels welcome

       **Meeting Schedule and Location –** club days in room 145

       **How can I join?**Sign up in room 145

       **Sponsors –** Lori Price

          **MAVS FOR CHRIST**

       **Organizational Goal-** To offer support and encouragement for Christian Teenagers.

       **Requirements –** none

       **Meeting Schedule and Location –** Wednesday mornings at 8:10 am in the Auditorium.

       **How can I join?** Just come join us

**Sponsors –** Jason Chambers and Mitch Cupples

          **FRENCH CLUB**

       **Organizational Goal-** Allow students to learn more about Francophone culture and to proliferate the awareness of Francophone culture at ACHS.

       **Requirements –** Former and present French students are welcome.

       **Meeting Schedule and Location –** During club time

       **Activities –** Learn about Francophone culture during meetings as well as outside events such as viewing French movies, attending plays, eating French food, and participating in holiday celebrations.  Hospitality events are also organized to encourage others to take interest in French.

       **How can I join?** See Madame Watson

       **Sponsors –** Kayla Watson

          **MATH CLUB**

       **Organizational Goal -** To get students together and discuss interests in math. It’s not a *class,* but a math *club*.

       **Requirements –** a love of mathematics and an interest in mathematical concepts/activities.

       **Meeting Schedule and Location –** We meet on club days in room 040 to decide on our next activity.

       **Activities -** During club meetings each month we discuss activities such as field trips.  We also raise money for St. Jude’s Childrens’ Hospital.

       **How can I join?**Sign up on Maverick Day or come to the meetings.

**      Sponsors –** Jacqueline Watkins

        **RUSSIAN CLUB**

    **Organizational Goal -** To get together students who are interested in Russian culture and language,

    **Requirements -**Curiosity.

    **Meeting Schedule and Location –** We meet on club days in room 037

    **Activities -** Watch Russian TV programs: sports, cartoons, listen to Russian music etc. and talk.

   **How can I join?**Come to the first meeting.

* **Sponsor–**Yelena Kirillina
  + - * **SPANISH CLUB**

 **Organizational Goal** – To allow students to learn more about the Spanish language and Latino culture.

  **Requirements** – Any present and former Spanish students are invited to join!

  **Meeting Schedule and Location** – Club days in Sra. White’s room (107).

  **Activities** – Singing songs in Spanish, watching movies in Spanish, communicating with native Spanish speakers, eating Mexican food, and community service are just a few of the fun things we do. We also collaborate with the French Club.

    **How can I join?** – See Señora White

   **Sponsors** – Holly White

        **HOSA (Health Occupations Students of America)**

    **Organizational Goal -** To promote career opportunities in the healthcare industry to enhance the delivery of quality healthcare

    **Requirements -**Successful participation in a Health Science Class

    **Meeting Schedule and Location –** Club days during Advisor

       **Activities -** TVA & I Fair, Field Trips, Gingerbread Houses for Fantasy of Trees, and HOSA Competitions

   **How can I join?**Come to the first meeting.

**Sponsor–**Amy Shipley

**Technical Clubs (related to technical classes)**

        **FBLA** (Future Business Leaders of America)

       **Organizational Goal-** To encourage students to develop the strengths and confidence they need to be leaders in their community and the business world.

       **Requirements –** Former Business Tech students and students currently enrolled in a Business Tech class.

       **Meeting Schedule and Location –** Meetings in ACCTC 213 on Mondays and Fridays during Advisory.

**       Activities–** Students are provided leadership opportunities to increase their knowledge of business and career skills. Students may compete in Regional and State FBLA competitions. In addition, students participate in community service opportunities such as March of Dimes, FBLA sponsored leadership camps, and school sponsored activities including the annual Head Start Halloween Party.

       **How can I join?** Enroll in Business Technology class or contact a sponsor.

* **Sponsors**- Julie Capps, Daphne Douglas, Heather Powell, and Shannon Smith

       **Virtual Enterprise**

       **Organizational Goal-** For students interested in majoring in Business and those students planning on taking Virtual Enterprise honors. To encourage students to develop the strengths and confidence they need to be leaders in their community and the business world.

       **Requirements –** Currently enrolled in a Business Tech class.

       **Meeting Schedule and Location –** Meetings in Business Tech 215 during club time.

**       Activities–** Virtual Enterprise club prepares you for a career in Business. Students will participate in trade shows, field trips, and virtual business. Working in a team, the student will develop and enhance oral and written communication skills through initiative, responsibility, and creativity.

       **How can I join?** Enroll in a Business Technology class or contact a sponsor.

     **Sponsors**- Heather Powell

          **FCCLA – Early Childhood, FACS, Culinary Arts**

       **Organizational Goal-** To promote personal growth and leadership skills through education, service projects, and community involvement.

       **Requirements –** Former Teen Living students and taking a Family and Consumer Science class.

       **Meeting Schedule and Location –** Club days during advisor.

       **Activities –** Involvement in FCCLA offers members the opportunity to expand their leadership potential and develop skills for life – planning,   goal setting, problem solving, decision making and interpersonal communication – necessary in the home and workplace.

       **Sponsor-** Judy Miller (FACS), Cindy Robinson & Dana Early (ECEC) and Pam Wilson (Culinary).

          **FFA** (Future Farmers of America)

* **Organizational Goal-** Agricultural education is a systematic program of instruction available to students

desiring to learn about the science, business, technology of plant and animal production and/or about the environmental and natural resources systems.

     **Requirements –** Be enrolled in an Ag. Class at ACCTC and pay there dues.

     **Meeting Schedule and Location –** Club days during advisor in the auditorium.

    **Activities –** Career Developments Events including Wildlife, Dairy Products, Environmental and Natural Resources, Meat Evaluation, Poultry Evaluation and Agriculture Mechanics plus many others. Out of the school day activities include; Day at Cove Lake, Farm Machinery Show at Louisville KY, National Convention at Louisville, State Convention at Gatlinburg, Biltmore Estates in North Carolina and National Cattlemen’s Convention in Nashville plus others. FFA also participates in many community service activities, TWRA hunter safety courses, FFA Camp and Christmas Parades to name a few.

      **Sponsors –** Phil Warfield and Brad Pearman

[](http://schools-demo.clipart.com/search/close-up?oid=752124&q=students&s=31&a=a&cid=&fic=0&k_mode=all&k_exc=&q_jpeg=1&q_gif=1&q_color=1&q_bw=1&q_eps=1&q_wmf=1&q_psd=1&q_png=1&date=&isadv=1)

**ACES**

**Anderson County Exemplary Student – Standards**

|  |  |  |
| --- | --- | --- |
| **Subject Area & Credit** | **Requirements** | |
| English – 4 credits | 2.75 GPA if student has taken any honors or AP courses | 3.0 GPA if student does not take any Honors or AP courses |
| Math – 4 credits | 2.75 GPA if student has taken any honors or AP courses | 3.0 GPA if student does not take any Honors or AP courses |
| Science – 4 credits | 2.75 GPA if student has taken any honors or AP courses | 3.0 GPA if student does not take any Honors or AP courses |
| Social Studies | 2.75 GPA if student has taken any honors or AP courses | 3.0 GPA if student does not take any Honors or AP courses |
| Technical or Foreign Language – 2 credits total |          Grade of B or higher (Technical)           Grade of C or higher (Foreign Language) | |
| Computer Related Course |          Grade of C or higher           1 credit any time during 4 years of high school | |

**Other Requirements**

         ACT Scores:  English, Math and Reading all must be 19 or above

         95% (or greater) attendance each year

         Career Planning Assessment – one time participation prior to graduation

         Removal from the program for that year if suspended from school

**Scholarship Opportunities**

         Students who attain the ACES Program standards will be eligible for consideration for college and vocational scholarships.

         First consideration for scholarships will be given to students who have achieved the ACES standards for all 4 years of high school.

\*For more information refer to ACES booklet  (you can download this from the guidance website at [http://www.achs.acs.ac/?PageName=‘Guidance’/](http://www.achs.acs.ac/?PageName='Guidance'/)

[](http://schools-demo.clipart.com/search/close-up?oid=3831446&q=smart%20person&s=1&a=a)

PREPARE FOR SUCCESS!

What do I need to do NOW to prepare for the next 4 years and beyond?

Freshman Year

* Do **ALL** your homework. Your transcript and GPA start NOW!!! This *will* affect your future.
* Talk to friends and family about careers, technical majors, and college majors.
* Get organized! Get a daily planner to write down daily assignments/tests and schedule time to study.
* Get involved! Participating in a club/organization is a fun way to meet friends, staff, and enjoy your high school experience. Remember, colleges like students who are well-rounded and participate in activities outside of the classroom as well as inside.
* Work with your counselor to develop a good four-year plan of high school courses and electives to best prepare you for training after high school.
* Strive to take the most challenging academic courses offered.
* Start developing a resume of your activities, honors, awards, leadership positions & volunteer work. Update it every year.
* Take your Program of Study seriously – you will have to complete 3 credits in that area.
* Remember that grades and attendance are VERY important! Strive to always do your very best. Make up all your missed work so you don’t lose any credits.

Sophomore Year

* Visit the ACHS School Counseling Website to begin to explore colleges
* Get to know your counselor.
* Take the PLAN (pre-ACT) and the PSAT to prepare you for college entrance exams.
* Ask your counselor if you can take an interest inventory to discover which career(s) might be a match for you.
* Take your registration time seriously, take time to go through the career pathways booklet, talk to your parents about your course selections.
* Spend your summer wisely – educational camps, volunteer work, part-time jobs, etc.

**Junior Year**

* Strong academic students should take the PSAT in the fall to try to qualify for National Merit scholarships.
* Attend the school and local college fairs to get information on colleges and to talk with admissions reps.
* Begin to develop a list of possible colleges. Use the Internet to find out more about specific schools.
* Begin the scholarship search. Research scholarships that are online and start to gather information on

college costs at the schools in which you are interested.

* Take the ACT or SAT in the spring or summer. Be sure to have your scores sent to the top colleges you are considering.
* Are you considering a career in art or music? Then begin to prepare portfolios of your artwork or audition tapes for college

admissions and/or scholarships.

* Read your college mail and send reply cards back to schools of interest. Make a folder for all your college info.
* Don’t rule out expensive schools – you may be able to afford them with a good financial aid package.
* During the summer break, visit the top 3 schools in which you are interested. The best way to know if a school “fits” you is to

get a feel for the place by visiting.

* Take the registration process seriously; choose your courses carefully to make sure you have the courses you need for graduation. Discuss course selection with your parents.
* Discuss with your vocational teacher career possibilities in your chosen field.

**Senior Year**

* Use the ACHS School Counseling site to research scholarships, colleges, and much more!
* Apply for the FAFSA PIN, and fill out FAFSA starting Jan 1.
* Finalize your high school resume with activities, honors, awards, community service, etc
* Attend the Senior meeting in the Auditorium (this meeting happens during August!)
* Attend your individual senior conference with your guidance counselor and invite your parents to come as well. This meeting will cover graduation status as well as plans for after graduation and how to prepare for that.
* Take or retake the ACT and/ or SAT. These are different tests. If you are not happy with scores on one, take the other!
* Apply to and visit Colleges of interest – **WATCH FOR DEADLINES!!!!!!**
* Fill out paperwork for NCAA Clearinghouse if you hope to play sports in college
* Follow up on applications to make sure they are complete (DO NOT ASSUME!)
* Notify the schools that have accepted you if you plan to accept or decline their offer by **May 1st.** Respond immediately to ALL correspondence regarding school, scholarships, housing, and financial aid.
* Request a final transcript be sent to the school you plan to attend. (You will make this request on the final check-out form.)

**For more information on Yearly Checklists and preparing for success, visit the ACHS guidance website at http://www.achs.acs.ac/?PageName=‘Guidance’/**

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| --- |
| Programs of Study  MCBD06663_0000[1] |

**PROGRAM OF STUDY OVERVIEW**

Starting with the freshmen of 2009-2010, high school students in TN are required to select and complete a Program of Study as part of their graduation requirements. A Program of Study consists of at least three (3) credits in a focused elective area above and beyond regular graduation requirements. Anderson County Schools developed state approved Programs of Study using input from local business leaders as well as educators at the high school, community college and university level. Programs of Study are used in conjunction with Career Clusters and are designed to help high school students plan for the future by requiring them to concentrate their coursework for an in-depth study of at least one Career Cluster. Students are encouraged to consider career areas as well as the amount of education required after high school when selecting a Program of Study. **ALL CAREERS AND ALL COURSES ARE AVAILABLE TO ALL STUDENTS.**

**How to Select a Program of Study:**

**I.  Choose a career which interests you.**

     Consider your talents, skills, and abilities.

     Think about what kind of lifestyle you’d like in the future.

     You may change your mind about your career, but you are committing to explore that career this school year.

     For more information, go to the state website: http://pathways.tbr.edu/index.php?cid=2

**II. Find the Career Cluster which most closely matches the career you are considering.**

In this section you will find a summary of each **TN Career Cluster** and sample career options and course recommendations for that cluster. Each cluster also lists the Programs of Study that are available at ACHS and the courses that MUST be taken for the successful completion of that particular Program of Study. Students are required to complete AT LEAST three (3) credits from the courses listed for a particular Program of Study to complete that Program of Study.

**III.** **Once you’ve found your Career Cluster page, select a Program of Study. The Program of Study chart lists courses required for that Program. Use this and the grade level chart to help you select your core classes for 9th grade and map out a plan for 10th-12th grade.**

Select a Program of Study and plan to take **AT LEAST** three (3) credits from the required courses listed in

the chart during your high school career.

 If you are planning on a job that **requires a college degree**, you should try to take courses recommended in

the “Honors” or “University Readiness” column.

      If you are planning on a **career requiring technical school or some kind of training** you can take the courses recommended in the “University Readiness” column **or** the “Technical College/Work” column. Discuss with your parents and counselor which would be best for you.

       If you are planning on **going straight to work after high school without extra training**, you can take the courses recommended in the “Technical School/Work” column.

Remember that most classes have requirements you must meet in order to take the class. You can look up those requirements in the course description section of this booklet beginning on page 42.

**IV. Follow the outline *as closely as possible* when you register for courses. Remember:**

Freshman students should take electives that fall under their selected Program of Study or Career Cluster **(see**

**p. 38 for a quick guide to freshmen electives)**

      It is possible that your course selections might be different from the recommended courses. However, students who select courses by following the outline *as closely as possible* tend to be the best prepared for that career level.

       If one of your core subject teachers recommends a course that is a lower level than the one recommended for your career, *you can still choose that career.* You would simply need to work harder to develop your skills.

Agriculture, Food & Natural Resources

*For careers in the production of plant and animal products as well as mining operations and environmental management*

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| **Sample Careers: Agriculture** | | | | | | | **PROGRAMS OF STUDY** | | | | | | **PROGRAM REQUIREMENTS:** | | | | |
| Veterinarian, Veterinary Technician, Veterinary Assistant, Animal Groomer, Zoo Keeper, Animal Trainer, Ferrier, Livestock Producer, Animal Breeder, Agribusiness Manager | | | | | | | Animal Systems  Preparing to become an animal care work, enter a vet-tech or pre-veterinary program at post-secondary level | | | | | | 1. Principles of Agriculture  2. Small Animal Care  3. Horse Science  4. Veterinary Science | | | | |
| Agricultural Engineer, Surveyor, GIS Technician, Welder, Plumber, Electrician, Small Engine Mechanic, Ag Equipment Business Manager, Agriculture Building Technician | | | | | | | Power, Structures, and Technical Systems  Design agricultural structures, machinery & equipment. Develop ways to conserve soil & water; improve possessing of products. | | | | | | 1. Principles of Agriculture  2. Ag Mech. & Maintenance  3. Ag Power and Equipment | | | | |
| Forester, Conservation Scientist, Wildlife Officer, Park Ranger, Environmental Engineer, Soil Scientist, Environmental Technician | | | | | | | Environmental & Natural Resources Systems  Develop, maintain & manage the natural environment; heavy emphasis on conservation & environmental responsibility. | | | | | | 1. Principles of Agriculture  2. Wildlife Management  3. Forestry | | | | |
| Landscape Architect, Landscape Technician, Greenhouse Manager, Parks and Recreation Manager/Worker, Lawn Service Worker, Groundskeeper, Florist | | | | | | | Plant Systems  Turf Grass/Nursery Production: Establish & maintain quality turf grasses & nursery plants; develop ways to improve crops & seeds using genetic engineering. | | | | | | 1. Principles of Agriculture  2. Hydroponics/Aquaculture  3. Greenhouse Management | | | | |
| **CORE COURSE RECOMMENDATIONS** | | | | | | | | | | | | | | | | | |
| 9th Grade | | | | | | | |  | 10th Grade | | | | | | | | |
|  | **Honors** | **University**  **Readiness** | | | **Technical College/Work** | | |  |  | | **Honors** | **University**  **Readiness** | | | | **Technical College/Work** | |
| **English** | -Academy Honors Eng  -Freshman Studies2 | -Academy English/Honors | | | -Academy English  -Transition English I | | |  | **English** | | -Eng II H  -Sophomore Studies3 | -English II H  -English II | | | | -English II | |
| **Math** | -Geometry H | - Academy Algebra/Honors | | | -Academy Algebra  -Algebra A | | |  | **Math** | | -Algebra II H | -Geometry H  -Geometry | | | | -Geometry  -Alg B/Geom | |
| **Science** | -Chemistry I H  -Biology I H | -Biology I H  -Physical Science | | | -Physical Science | | |  | **Science** | | -Chem II H/ AP  -Chem I H | -Chemistry I H  -Chemistry I  -General Chemistry | | | | -Gen Chemistry  -Biology I | |
| **Social Studies** | -World History  2Freshman Studies students will take Wellness | | | | | | |  | **Wellness** | | -Wellness  3Sophomore Studies students will take W. History H | | | | | | |
| 11th Grade | | | | | | | |  | 12th Grade | | | | | | | | |
|  | **Honors** | | **University Readiness** | | | **Technical College/Work** | |  |  | | **Honors** | | | **University Readiness** | | | **Technical College/Work** |
| **English** | -JR Studies (JR AP)  -English III H | | -English III H  -English III | | | -English III | |  | **English** | | -Eng IV:Dual Enroll  -SR AP  -Eng IV H | | | -English IV H  -English IV | | | -English IV |
| **Math** | -Pre-Calculus H  -Adv. Alg/Trig | | -Algebra II H  -Adv. Algebra  -Algebra II | | | -Algebra II  -Tech Algebra II | |  | **Math** | | -Calculus/AP  -Dual Stats | | | -Pre-Calculus  -Adv. Alg/Trig  -Dual Stats  -Adv. Algebra  -Bridge Math | | | -Statistics  -Bridge Math |
| **Science** | -Biology II H/AP  -Chem II H/AP  -Physics H | | -Biology I  -Chemistry II H  -Biology II H  -Physics H  -Ecology CP | | | -Gen. Chemistry  -Ecology | |  | **Science** | | -Biology II H/AP  -Chem II H/AP  -Physics H  -Anat. & Phys. H | | | -Biology II H  -Chemistry II H  -Physics H  -Ecology CP | | | -Ecology |
| **Social**  **Studies** | -JR Studies (US History AP) | | -US History | | | | |  | **Social**  **Studies** | | -U.S. Government, Economics | | | | | | |
| **Other Required Courses (Sometime During High School)** | | | | | | | | | | | | | | | | | |
| Personal Finance  Foreign Language I & II  Fine Art  ½ PE | | | | | | | | | | | | | | | | | |
| **Other Recommended Electives** | | | | | | | | | | | | | | | | | |
| * All Ag Electives * Comp. Apps * Business Electives | | | | * Construction * Nutrition and Foods * Engineering | | | | | | * Additional Science Electives * Foreign Language III * Culinary Arts | | | | | * Dual Credit Electives * Work Based Learning | | |

Architecture and Construction

*For careers in designing, planning, managing, building and maintaining physical structures, roadways, and bridges.*

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| **Sample Careers:** | | | | | **PROGRAMS OF STUDY** | | | | | | | **PROGRAM REQUIREMENTS:** | | | | | |
| Architect, Building Code Official, General Contractor, Builder, Project Inspector, Maintenance Estimator, Security Controls Manager | | | | | Design & Preconstruction **(Not currently offered.)**  Use technical skills to create drawings, plans and computer models for constructing a building or manufacturing a product. | | | | | | | Consider a POS in Art with emphasis on Visual Art (See p. 24) or the Engineering POS in the Manufacturing Cluster (See p. 34) or the Construction Carpentry POS (below) | | | | | |
| Welder, Cutters, Solderer, Brazer, General Contractor | | | | | Construction Welding  Apply basic skills and knowledge of the fabrication process that joins materials, usually metals or thermoplastics. | | | | | | | 1. Principles of Welding  2. Welding I  3. Welding II  4. Work Based Learning | | | | | |
| Carpenter, Builder, General Contractor, Construction Worker, Roofer, Insulation Technician, Drywall Installer; Pipe Fitter, Remodeler, Electrician | | | | | Construction Carpentry  Apply basic skills and knowledge of carpentry to residential and commercial construction. | | | | | | | 1. Construction Core  2. Carpentry I  3. Carpentry II  4. Work Based Learning | | | | | |
| Construction Electrical | | | | | | | 1. Construction Core  2. Electrical I  3. Electrical II | | | | | |
| **CORE COURSE RECOMMENDATIONS** | | | | | | | | | | | | | | | | | |
| **9th Grade** | | | | | | |  | **10th Grade** | | | | | | | | | |
|  | | **Honors** | **University**  **Readiness** | | | **Technical College/Work** |  |  | | | **Honors** | | **University**  **Readiness** | | | **Technical College/Work** | |
| **English** | | -Academy Honors Eng  -Freshman Studies2 | -Academy English/Honors | | | -Academy English  -Transition English I |  | **English** | | | -Eng II H  -Sophomore Studies3 | | -English II H  -English II | | | -English II | |
| **Math** | | -Geometry H | - Academy Algebra/Honors | | | -Academy Algebra  -Algebra A |  | **Math** | | | -Algebra II H | | -Geometry H  -Geometry | | | -Geometry  -Alg B/Geom | |
| **Science** | | -Chemistry I H  -Biology I H | -Biology I H  -Physical Science | | | -Physical Science |  | **Science** | | | -Chem II H/ AP  -Chem I H | | -Chemistry I H  -Chemistry I  -General Chemistry | | | -Gen Chemistry  -Biology I | |
| **Social Studies** | | -World History  2Freshman Studies students will take Wellness | | | | |  | **Wellness** | | | -Wellness  3Sophomore Studies students will take W. History H | | | | | | |
| 11th Grade | | | | | | |  | 12th Grade | | | | | | | | | |
|  | **Honors** | | | **University Readiness** | | **Technical College/Work** |  |  | | **Honors** | | | | **University Readiness** | | | **Technical College/Work** |
| **English** | -JR Studies (JR AP)  -English III H | | | -English III H  -English III | | -English III |  | **English** | | -Eng IV:Dual Enroll  -SR AP  -Eng IV H | | | | -English IV H  -English IV | | | -English IV |
| **Math** | -Pre-Calculus H  -Adv. Alg/Trig | | | -Algebra II H  -Adv. Algebra  -Algebra II | | -Algebra II  -Tech Algebra II |  | **Math** | | -Calculus/AP  -Dual Stats | | | | -Pre-Calculus  -Adv. Alg/Trig  -Dual Stats  -Adv. Algebra  -Bridge Math | | | -Statistics  -Bridge Math |
| **Science** | -Biology II H/AP  -Chem II H/AP  -Physics H | | | -Biology I  -Chemistry II H  -Biology II H  -Physics H  -Ecology CP | | -Gen. Chemistry  -Ecology |  | **Science** | | -Biology II H/AP  -Chem II H/AP  -Physics H  -Anat. & Phys. H | | | | -Biology II H  -Chemistry II H  -Physics H  -Ecology CP | | | -Ecology |
| **Social**  **Studies** | -JR Studies (US History AP) | | | -US History | | |  | **Social**  **Studies** | | -U.S. Government, Economics | | | | | | | |
| **Other Required Courses (Sometime During High School)** | | | | | | | | | | | | | | | | | |
| Personal Finance  Foreign Language I & II  Fine Art  ½ PE | | | | | | | | | | | | | | | | | |
| **Other Recommended Electives** | | | | | | | | | | | | | | | | | |
|         Visual Art    Adv. Art *architecture students*         Crafts | | | | |          Carpentry I           Carpentry II    Engineering electives | | | |           Computer Applications            Accounting            Dual Credit Electives | | | | | |          Machining           Welding           Work Based Learning | | |

Arts, Audio/Video Technology & Communications

*For careers in designing, producing, exhibiting, performing, writing and publishing multimedia content. This includes visual and performing arts and design, journalism, and entertainment services.*

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| **Sample Careers:** | | | | | | **PROGRAMS OF STUDY** | | | | | | **PROGRAM REQUIREMENTS:** | | | | |
| Interior Designer, Fashion Designer | | | | | | Interior Design | | | | | | 1. Family and Consumer Sciences  2. Housing  3. Life Connections | | | | |
| Broadcaster, News Anchor, Weather Anchor, Videographer, Camera Technician, Sound Technician, Broadcast Technician, Producer, Director Graphic Artist, Graphic Designer, Web-page Designer, Fine Artists (Painter, Sculptor, Illustrator), Job Printer | | | | | | Journalism & Broadcasting **(Not currently offered.)**  Gather information, prepare stories & make broadcast which report current events. Also includes engineers & technicians who install test, repair, set up & operate electronic equipment. | | | | | | Consider a POS in Marketing & Communications Development in the Business, Management & Administration cluster (See p.25). | | | | |
| Performer, Artist, Actor, Musician, Director, Film Producer, Script Writer, Fashion Designer, Computer Animator, Photographer, Music Producer, Casting Director | | | | | | Fine Arts | | | | | | 3 **additional** credits (total of 4) from: Vocal Music courses, Instrumental Music courses, Visual Art courses, History of Rock, Theater courses | | | | |
| **CORE COURSE RECOMMENDATIONS** | | | | | | | | | | | | | | | | |
| 9th Grade | | | | | | | |  | 10th Grade | | | | | | | |
|  | | **Honors** | **University**  **Readiness** | | | | **Technical College/Work** |  |  | | **Honors** | | **University**  **Readiness** | | **Technical College/Work** | |
| **English** | | -Academy Honors Eng  -Freshman Studies2 | -Academy English/Honors | | | | -Academy English  -Transition English I |  | **English** | | -Eng II H  -Sophomore Studies3 | | -English II H  -English II | | -English II | |
| **Math** | | -Geometry H | - Academy Algebra/Honors | | | | -Academy Algebra  -Algebra A |  | **Math** | | -Algebra II H | | -Geometry H  -Geometry | | -Geometry  -Alg B/Geom | |
| **Science** | | -Chemistry I H  -Biology I H | -Biology I H  -Physical Science | | | | -Physical Science |  | **Science** | | -Chem II H/ AP  -Chem I H | | -Chemistry I H  -Chemistry I  -General Chemistry | | -Gen Chemistry  -Biology I | |
| **Social Studies** | | -World History  2Freshman Studies students will take Wellness | | | | | |  | **Wellness** | | -Wellness  3Sophomore Studies students will take W. History H | | | | | |
| 11th Grade | | | | | | | |  | 12th Grade | | | | | | | |
|  | **Honors** | | | **University Readiness** | | | **Technical College/Work** |  |  | **Honors** | | | | **University Readiness** | | **Technical College/Work** |
| **English** | -JR Studies (JR AP)  -English III H | | | -English III H  -English III | | | -English III |  | **English** | -Eng IV:Dual Enroll  -SR AP  -Eng IV H | | | | -English IV H  -English IV | | -English IV |
| **Math** | -Pre-Calculus H  -Adv. Alg/Trig | | | -Algebra II H  -Adv. Algebra  -Algebra II | | | -Algebra II  -Tech Algebra II |  | **Math** | -Calculus/AP  -Dual Stats | | | | -Pre-Calculus  -Adv. Alg/Trig  -Dual Stats  -Adv. Algebra  -Bridge Math | | -Statistics  -Bridge Math |
| **Science** | -Biology II H/AP  -Chem II H/AP  -Physics H | | | -Biology I  -Chemistry II H  -Biology II H  -Physics H  -Ecology CP | | | -Gen. Chemistry  -Ecology |  | **Science** | -Biology II H/AP  -Chem II H/AP  -Physics H  -Anat. & Phys. H | | | | -Biology II H  -Chemistry II H  -Physics H  -Ecology CP | | -Ecology |
| **Social**  **Studies** | -JR Studies (US History AP) | | | -US History | | | |  | **Social**  **Studies** | -U.S. Government, Economics | | | | | | |
| **Other Required Courses (Sometime During High School)** | | | | | | | | | | | | | | | | |
| Personal Finance  Foreign Language I & II  Fine Art  ½ PE | | | | | | | | | | | | | | | | |
| **Other Recommended Electives** | | | | | | | | | | | | | | | | |
| **Performance** | | | | | Beginning Chorus, Show Choir &/or Instrumental Music &/or Dance  Visual Arts , Crafts,  Advanced Art Theatre Arts History of Rock/Music Theory | | | | | | | | | | | |
| **Technology** | | | | | Computer Applications Multimedia Work Based Learning   Dual Credit Multimedia  Web Page Design | | | | | | | | | | | |
| **Supporting** | | | | | Creative Writing Novels Speech Foreign Language III  Mythology | | | | | | | | | | | |

Business, Management and Administration

*For careers in planning, managing and providing administrative support, information processing, accounting and human resource management, services and related support services.*

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| **Sample Careers:** | | | | | | | **PROGRAMS OF STUDY** | | | | | | **PROGRAM REQUIREMENTS:** | | | | | |
| Management, Small Business Owners, Accountants and Auditors, Bookkeeping, Accounting, Accounting , Payroll, Chief Executives, Sales, Human Resource | | | | | | | Business, Financial Management & Accounting  Design, install, maintain, & use general accounting systems to prepare analyze & verify financial reports & other economic information. | | | | | | 1. Computer Applications  2. Personal Finance  3. Accounting I  4. Virtual Enterprise | | | | | |
| Supervisors/Managers of Office, Court Reporters, Medical Transcriptionists, Administrative Support Workers, Court, Municipal, Government, Receptionists, Dispatchers, Administrative Assistants, Legal Assistant, Paralegal, Postal Service | | | | | | | Information Technology  Use technology to perform & coordinate administrative activities. | | | | | | 1. Computer Applications  2. Personal Finance  3. Advanced Comp Apps (MOS)  4. Virtual Enterprise  \*Courses may be taken out of sequence | | | | | |
| Animator, Game Designer, Interactive Writer, Sound Producer, Web Content Producer, Webmaster, Art Director, Graphic Designer, Interface Designer, Video Producer, Web Developer, Presentation Artist | | | | | | | Multimedia | | | | | | 1. Computer Applications  2. Webpage Design  3. Media I  4. Media Dual  5. Virtual Enterprise | | | | | |
| **CORE COURSE RECOMMENDATIONS** | | | | | | | | | | | | | | | | | | |
| 9th Grade | | | | | | | |  | 10th Grade | | | | | | | | | |
|  | | **Honors** | **University**  **Readiness** | | | **Technical College/Work** | |  |  | | | **Honors** | | **University**  **Readiness** | | | **Technical College/Work** | |
| **English** | | -Academy Honors Eng  -Freshman Studies2 | -Academy English/Honors | | | -Academy English  -Transition English I | |  | **English** | | | -Eng II H  -Sophomore Studies3 | | -English II H  -English II | | | -English II | |
| **Math** | | -Geometry H | - Academy Algebra/Honors | | | -Academy Algebra  -Algebra A | |  | **Math** | | | -Algebra II H | | -Geometry H  -Geometry | | | -Geometry  -Alg B/Geom | |
| **Science** | | -Chemistry I H  -Biology I H | -Biology I H  -Physical Science | | | -Physical Science | |  | **Science** | | | -Chem II H/ AP  -Chem I H | | -Chemistry I H  -Chemistry I  -General Chemistry | | | -Gen Chemistry  -Biology I | |
| **Social Studies** | | -World History  2Freshman Studies students will take Wellness | | | | | |  | **Wellness** | | | -Wellness  3Sophomore Studies students will take W. History H | | | | | | |
| 11th Grade | | | | | | | |  | 12th Grade | | | | | | | | | |
|  | **Honors** | | | **University Readiness** | | **Technical College/Work** | |  |  | | **Honors** | | | | **University Readiness** | | | **Technical College/Work** |
| **English** | -JR Studies (JR AP)  -English III H | | | -English III H  -English III | | -English III | |  | **English** | | -Eng IV:Dual Enroll  -SR AP  -Eng IV H | | | | -English IV H  -English IV | | | -English IV |
| **Math** | -Pre-Calculus H  -Adv. Alg/Trig | | | -Algebra II H  -Adv. Algebra  -Algebra II | | -Algebra II  -Tech Algebra II | |  | **Math** | | -Calculus/AP  -Dual Stats | | | | -Pre-Calculus  -Adv. Alg/Trig  -Dual Stats  -Adv. Algebra  -Bridge Math | | | -Statistics  -Bridge Math |
| **Science** | -Biology II H/AP  -Chem II H/AP  -Physics H | | | -Biology I  -Chemistry II H  -Biology II H  -Physics H  -Ecology CP | | -Gen. Chemistry  -Ecology | |  | **Science** | | -Biology II H/AP  -Chem II H/AP  -Physics H  -Anat. & Phys. H | | | | -Biology II H  -Chemistry II H  -Physics H  -Ecology CP | | | -Ecology |
| **Social**  **Studies** | -JR Studies (US History AP) | | | -US History | | | |  | **Social**  **Studies** | | -U.S. Government, Economics | | | | | | | |
| **Other Required Courses (Sometime During High School)** | | | | | | | | | | | | | | | | | | |
| Personal Finance  Foreign Language I & II  Fine Art  ½ PE | | | | | | | | | | | | | | | | | | |
| **Other Recommended Electives** | | | | | | | | | | | | | | | | | | |
| * Computer Applications * Accounting | | | | | * Web Page Design * Virtual Enterprise | | | | | * Marketing I, II * Multimedia | | | | | | * Foreign Language III * Work Based Learning | | |

Education and Training

*For careers in Planning, managing and providing education and training services and related learning support services including assessment and Library and information services.*

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| **Sample Careers:** | | | | | **PROGRAMS OF STUDY** | | | | | | | | **PROGRAM REQUIREMENTS:** | | | | | |
| Elementary Teacher, Middle School Teacher, Secondary Teacher, Post-secondary Educator, College Professor, Principal, School Counselor, School Social Worker, Teacher Assistant | | | | | Teaching Training Services **(Not currently offered.)**  Communicate, inspire trust & confidence, motivate learners, & demonstrate understanding of educational & emotional needs. Deliver subject area information to diverse learners using varied methods & techniques. | | | | | | | | ***Elementary*  level:** Consider the POS in Pre-K Childhood Education Teaching Training Services listed below  ***Secondary & Post-secondary* level**: Consider a POS in a specialty area related to your teaching interest(s). | | | | | |
| Pre-School Teacher, Kindergarten Teacher, Daycare Owner, Childcare Worker, Nanny, Teacher Assistant | | | | | Pre-K Childhood Education Teaching Training Services  Provide technical & professional training to prepare students to work with young children in child care centers, pre-K programs, special needs & head start programs. | | | | | | | | 1. Family & Consumer Science  2. Early Child. Ed. Careers I  3. Early Child. Ed. Careers II-Dual Enroll. offered  4. Early Child. Ed. Careers III-Dual Enroll. offered | | | | | |
| **CORE COURSE RECOMMENDATIONS** | | | | | | | | | | | | | | | | | | |
| 9th Grade | | | | | | | |  | 10th Grade | | | | | | | | | |
|  | | **Honors** | **University**  **Readiness** | | | | **Technical College/Work** |  |  | | | **Honors** | | **University**  **Readiness** | | | **Technical College/Work** | |
| **English** | | -Academy Honors Eng  -Freshman Studies2 | -Academy English/Honors | | | | -Academy English  -Transition English I |  | **English** | | | -Eng II H  -Sophomore Studies3 | | -English II H  -English II | | | -English II | |
| **Math** | | -Geometry H | - Academy Algebra/Honors | | | | -Academy Algebra  -Algebra A |  | **Math** | | | -Algebra II H | | -Geometry H  -Geometry | | | -Geometry  -Alg B/Geom | |
| **Science** | | -Chemistry I H  -Biology I H | -Biology I H  -Physical Science | | | | -Physical Science |  | **Science** | | | -Chem II H/ AP  -Chem I H | | -Chemistry I H  -Chemistry I  -General Chemistry | | | -Gen Chemistry  -Biology I | |
| **Social Studies** | | -World History  2Freshman Studies students will take Wellness | | | | | |  | **Wellness** | | | -Wellness  3Sophomore Studies students will take W. History H | | | | | | |
| 11th Grade | | | | | | | |  | 12th Grade | | | | | | | | | |
|  | **Honors** | | | **University Readiness** | | | **Technical College/Work** |  |  | | **Honors** | | | | **University Readiness** | | | **Technical College/Work** |
| **English** | -JR Studies (JR AP)  -English III H | | | -English III H  -English III | | | -English III |  | **English** | | -Eng IV:Dual Enroll  -SR AP  -Eng IV H | | | | -English IV H  -English IV | | | -English IV |
| **Math** | -Pre-Calculus H  -Adv. Alg/Trig | | | -Algebra II H  -Adv. Algebra  -Algebra II | | | -Algebra II  -Tech Algebra II |  | **Math** | | -Calculus/AP  -Dual Stats | | | | -Pre-Calculus  -Adv. Alg/Trig  -Dual Stats  -Adv. Algebra  -Bridge Math | | | -Statistics  -Bridge Math |
| **Science** | -Biology II H/AP  -Chem II H/AP  -Physics H | | | -Biology I  -Chemistry II H  -Biology II H  -Physics H  -Ecology CP | | | -Gen. Chemistry  -Ecology |  | **Science** | | -Biology II H/AP  -Chem II H/AP  -Physics H  -Anat. & Phys. H | | | | -Biology II H  -Chemistry II H  -Physics H  -Ecology CP | | | -Ecology |
| **Social**  **Studies** | -JR Studies (US History AP) | | | -US History | | | |  | **Social**  **Studies** | | -U.S. Government, Economics | | | | | | | |
| **Other Required Courses (Sometime During High School)** | | | | | | | | | | | | | | | | | | |
| Personal Finance  Foreign Language I & II  Fine Art  ½ PE | | | | | | | | | | | | | | | | | | |
| **Other Recommended Electives** | | | | | | | | | | | | | | | | | | |
| * Computer Applications * Service Learning * Best Buddy | | | | | | * Life Connections * Nutrition and Foods * Child and Lifespan Development | | | | * Speech * Psychology/Sociology * Electives in content area | | | | | | * Peer Buddy * Dual Credit Electives * Work Based Learning | | |

Finance

*Careers in planning, managing & providing, banking, investment, financial planning & insurance services*

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| **Sample Careers:** | | | | | **PROGRAMS OF STUDY** | | | | | | | **PROGRAM REQUIREMENTS:** | | | |
| Accountant, Financial Planner, Actuary, Economist, Auditor, Stock Broker, Debt Counselor, Insurance Broker, Tax Preparer, Loan Officer, Bill & Account Collector, Fund Raiser, Data Processor, Bank Teller | | | | | Banking & Finance **(Not currently offered.)**  Provide checking & saving account information, loans, credit & payment services to business & individuals. | | | | | | | Consider the Business Financial Management & Accounting POS in the Business, Management & Administration Cluster. See p. 25 | | | |
| Financial Planning **(Not currently offered.)**  Provide investment analysis & guidance to help business & individuals with investment decisions. | | | | | | |
| **CORE COURSE RECOMMENDATIONS** | | | | | | | | | | | | | | | |
| **9th Grade** | | | | | | |  | **10th Grade** | | | | | | | |
|  | | **Honors** | **University**  **Readiness** | | | **Technical College/Work** |  |  | | **Honors** | **University**  **Readiness** | | | **Technical College/Work** | |
| **English** | | -Academy Honors Eng  -Freshman Studies2 | -Academy English/Honors | | | -Academy English  -Transition English I |  | **English** | | -Eng II H  -Sophomore Studies3 | -English II H  -English II | | | -English II | |
| **Math** | | -Geometry H | - Academy Algebra/Honors | | | -Academy Algebra  -Algebra A |  | **Math** | | -Algebra II H | -Geometry H  -Geometry | | | -Geometry  -Alg B/Geom | |
| **Science** | | -Chemistry I H  -Biology I H | -Biology I H  -Physical Science | | | -Physical Science |  | **Science** | | -Chem II H/ AP  -Chem I H | -Chemistry I H  -Chemistry I  -General Chemistry | | | -Gen Chemistry  -Biology I | |
| **Social Studies** | | -World History  2Freshman Studies students will take Wellness | | | | |  | **Wellness** | | -Wellness  3Sophomore Studies students will take W. History H | | | | | |
| 11th Grade | | | | | | |  | 12th Grade | | | | | | | |
|  | **Honors** | | | **University Readiness** | | **Technical College/Work** |  |  | **Honors** | | | | **University Readiness** | | **Technical College/Work** |
| **English** | -JR Studies (JR AP)  -English III H | | | -English III H  -English III | | -English III |  | **English** | -Eng IV:Dual Enroll  -SR AP  -Eng IV H | | | | -English IV H  -English IV | | -English IV |
| **Math** | -Pre-Calculus H  -Adv. Alg/Trig | | | -Algebra II H  -Adv. Algebra  -Algebra II | | -Algebra II  -Tech Algebra II |  | **Math** | -Calculus/AP  -Dual Stats | | | | -Pre-Calculus  -Adv. Alg/Trig  -Dual Stats  -Adv. Algebra  -Bridge Math | | -Statistics  -Bridge Math |
| **Science** | -Biology II H/AP  -Chem II H/AP  -Physics H | | | -Biology I  -Chemistry II H  -Biology II H  -Physics H  -Ecology CP | | -Gen. Chemistry  -Ecology |  | **Science** | -Biology II H/AP  -Chem II H/AP  -Physics H  -Anat. & Phys. H | | | | -Biology II H  -Chemistry II H  -Physics H  -Ecology CP | | -Ecology |
| **Social**  **Studies** | -JR Studies (US History AP) | | | -US History | | |  | **Social**  **Studies** | -U.S. Government, Economics | | | | | | |
| **Other Required Courses (Sometime During High School)** | | | | | | | | | | | | | | | |
| Personal Finance  Foreign Language I & II  Fine Art  ½ PE | | | | | | | | | | | | | | | |
| **Other Recommended Electives** | | | | | | | | | | | | | | | |
| * Computer Applications Sociology/PsychologyWeb Page Design Dual Credit Electives   StatisticsForeign Language III Work Based Learning   * Marketing Accounting IVirtual Enterprise | | | | | | | | | | | | | | | |

Government and Public Administration

*For careers in Planning, Managing and Providing all government services at the Federal, State and Local levels. This includes Legislative, Administrative, Regulatory and General Purposes.*

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| **Sample Careers:** | | | | | | | **PROGRAMS OF STUDY** | | | | | | | **PROGRAM REQUIREMENTS:** | | | | |
| Non-profit Chief Executive Officer, Social & Community Service Managers, Urban and Regional Planner, Elected Official, Campaign Manager, Tax Examiner/Collector/Revenue Agent, Postmaster, Postal Worker, Utility Worker, Eligibility Interviewer (for Gov. Programs), Governmental Compliance Officers | | | | | | | Public/Nonprofit Management & Admin. **(Not currently offered.)**  Apply technical skills to budgeting, personnel management, fundraising, & general operations of non- profit organizations, including insuring compliance with non profit regulations & policies. | | | | | | | Consider a Humanities POS (See p. 38) or the Business Financial Management & Accounting POS in the Business, Management & Admin. Cluster (See p. 25). | | | | |
| FBI Agent, CIA Agent, National Security Advisor, Internal Revenue Investigator, Emergency Management Director, Border Patrol, Airport Security, Luggage Inspector, Dispatcher, Red Cross Worker, Volunteer Coordinator, Campaign Manager | | | | | | | National Security  Apply law enforcement, safety & security training to protect the interests of the United States & her Citizens through various government Agencies including: Customs, Military, Centers for Disease Control, FEMA, Food & Drug Administration, CIA, FBI, etc. | | | | | | | 1. Criminal Justice I  2. Criminal Justice II  3. Criminal Justice III  4. Any Dual Enrollment Law Course | | | | |
| Military Service | | | | | | | NJROTC: Explore elements of patriotism, citizenship, and national security | | | | | | | At least 4 semesters of NJROTC | | | | |
| **CORE COURSE RECOMMENDATIONS** | | | | | | | | | | | | | | | | | | |
| 9th Grade | | | | | | | |  | 10th Grade | | | | | | | | | |
|  | | **Honors** | **University**  **Readiness** | | | **Technical College/Work** | |  |  | | | **Honors** | **University**  **Readiness** | | | | **Technical College/Work** | |
| **English** | | -Academy Honors Eng  -Freshman Studies2 | -Academy English/Honors | | | -Academy English  -Transition English I | |  | **English** | | | -Eng II H  -Sophomore Studies3 | -English II H  -English II | | | | -English II | |
| **Math** | | -Geometry H | - Academy Algebra/Honors | | | -Academy Algebra  -Algebra A | |  | **Math** | | | -Algebra II H | -Geometry H  -Geometry | | | | -Geometry  -Alg B/Geom | |
| **Science** | | -Chemistry I H  -Biology I H | -Biology I H  -Physical Science | | | -Physical Science | |  | **Science** | | | -Chem II H/ AP  -Chem I H | -Chemistry I H  -Chemistry I  -General Chemistry | | | | -Gen Chemistry  -Biology I | |
| **Social Studies** | | -World History  2Freshman Studies students will take Wellness | | | | | |  | **Wellness** | | | -Wellness  3Sophomore Studies students will take W. History H | | | | | | |
| 11th Grade | | | | | | | |  | 12th Grade | | | | | | | | | |
|  | **Honors** | | | **University Readiness** | | **Technical College/Work** | |  |  | | **Honors** | | | | **University Readiness** | | | **Technical College/Work** |
| **English** | -JR Studies (JR AP)  -English III H | | | -English III H  -English III | | -English III | |  | **English** | | -Eng IV:Dual Enroll  -SR AP  -Eng IV H | | | | -English IV H  -English IV | | | -English IV |
| **Math** | -Pre-Calculus H  -Adv. Alg/Trig | | | -Algebra II H  -Adv. Algebra  -Algebra II | | -Algebra II  -Tech Algebra II | |  | **Math** | | -Calculus/AP  -Dual Stats | | | | -Pre-Calculus  -Adv. Alg/Trig  -Dual Stats  -Adv. Algebra  -Bridge Math | | | -Statistics  -Bridge Math |
| **Science** | -Biology II H/AP  -Chem II H/AP  -Physics H | | | -Biology I  -Chemistry II H  -Biology II H  -Physics H  -Ecology CP | | -Gen. Chemistry  -Ecology | |  | **Science** | | -Biology II H/AP  -Chem II H/AP  -Physics H  -Anat. & Phys. H | | | | -Biology II H  -Chemistry II H  -Physics H  -Ecology CP | | | -Ecology |
| **Social**  **Studies** | -JR Studies (US History AP) | | | -US History | | | |  | **Social**  **Studies** | | -U.S. Government, Economics | | | | | | | |
| **Other Required Courses (Sometime During High School)** | | | | | | | | | | | | | | | | | | |
| Personal Finance  Foreign Language I & II  Fine Art  ½ PE | | | | | | | | | | | | | | | | | | |
| **Other Recommended Electives** | | | | | | | | | | | | | | | | | | |
| * Computer Applications * Foreign Lang III * Ag Electives (Ag Law) | | | | | * Criminal Justice I, II, III * Psychology/Sociology | | | | | * NJROTC * Speech | | | | | | * Dual Credit Electives * Work Based Learning | | |

Health Science

*For careers in planning, managing, and providing diagnostic, therapeutic, info services and environmental services in Health Care.*

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| **Sample Careers:** | | | | | | **PROGRAMS OF STUDY** | | | | | | | | **PROGRAM REQUIREMENTS:** | | | | |
| Biochemist, Geneticist, Genetics Lab Assistant, Lab Technician, Medical Scientists, Microbiologist, Molecular & Cellular Biologist | | | | | | Biotechnology Research & Development **(Not currently offered.)**  Conduct Bioscience research & development as it applies to human health. Study deceases to discover new treatments, invent medical devices, & work in crime scene investigation. | | | | | | | | Consider a POS in science & math (see p 38), supplemented with electives from this cluster. | | | | |
| Anesthesiologist, Athletic Trainer, Audiologist, Chiropractor, Dentist, Dietician, Nurse, Occupational Therapist, Obstetrician, Optometrist, Paramedic, Pediatrician, Pharmacist, Physician, Physical Therapist, Psychiatrist, Respiratory Therapist  Dental Assistant, EMT, Massage Therapist, Radiologic Tech, Medical Tech/Assistant, Home Health Aides, Nurses Aides, Surgical Tech, Psychiatric Aide, Pharmacy Tech | | | | | | Diagnostic Services: Diagnosis & Treatment  Use tests & evaluations to aid in detection, diagnosis & treatment of diseases, injuries or other physical conditions. | | | | | | | | 1. Health Science Education  2. Medical Therapeutics  3. Anatomy & Physiology  4. Clinical Internship or Dual  Enrollment Health Course | | | | |
| Diagnostic Services: Supplemental Services  Varied Professional & Technical Careers in Health Care from entry level to management. Provide supplemental services to enhance Health Care services. | | | | | | | |
| **CORE COURSE RECOMMENDATIONS** | | | | | | | | | | | | | | | | | | |
| 9th Grade | | | | | | | |  | 10th Grade | | | | | | | | | |
|  | | **Honors** | **University**  **Readiness** | | | | **Technical College/Work** |  |  | | | **Honors** | **University**  **Readiness** | | | | **Technical College/Work** | |
| **English** | | -Academy Honors Eng  -Freshman Studies2 | -Academy English/Honors | | | | -Academy English  -Transition English I |  | **English** | | | -Eng II H  -Sophomore Studies3 | -English II H  -English II | | | | -English II | |
| **Math** | | -Geometry H | - Academy Algebra/Honors | | | | -Academy Algebra  -Algebra A |  | **Math** | | | -Algebra II H | -Geometry H  -Geometry | | | | -Geometry  -Alg B/Geom | |
| **Science** | | -Chemistry I H  -Biology I H | -Biology I H  -Physical Science | | | | -Physical Science |  | **Science** | | | -Chem II H/ AP  -Chem I H | -Chemistry I H  -Chemistry I  -General Chemistry | | | | -Gen Chemistry  -Biology I | |
| **Social Studies** | | -World History  2Freshman Studies students will take Wellness | | | | | |  | **Wellness** | | | -Wellness  3Sophomore Studies students will take W. History H | | | | | | |
| 11th Grade | | | | | | | |  | 12th Grade | | | | | | | | | |
|  | **Honors** | | | **University Readiness** | | | **Technical College/Work** |  |  | | **Honors** | | | | **University Readiness** | | | **Technical College/Work** |
| **English** | -JR Studies (JR AP)  -English III H | | | -English III H  -English III | | | -English III |  | **English** | | -Eng IV:Dual Enroll  -SR AP  -Eng IV H | | | | -English IV H  -English IV | | | -English IV |
| **Math** | -Pre-Calculus H  -Adv. Alg/Trig | | | -Algebra II H  -Adv. Algebra  -Algebra II | | | -Algebra II  -Tech Algebra II |  | **Math** | | -Calculus/AP  -Dual Stats | | | | -Pre-Calculus  -Adv. Alg/Trig  -Dual Stats  -Adv. Algebra  -Bridge Math | | | -Statistics  -Bridge Math |
| **Science** | -Biology II H/AP  -Chem II H/AP  -Physics H | | | -Biology I  -Chemistry II H  -Biology II H  -Physics H  -Ecology CP | | | -Gen. Chemistry  -Ecology |  | **Science** | | -Biology II H/AP  -Chem II H/AP  -Physics H  -Anat. & Phys. H | | | | -Biology II H  -Chemistry II H  -Physics H  -Ecology CP | | | -Ecology |
| **Social**  **Studies** | -JR Studies (US History AP) | | | -US History | | | |  | **Social**  **Studies** | | -U.S. Government, Economics | | | | | | | |
| **Other Required Courses (Sometime During High School)** | | | | | | | | | | | | | | | | | | |
| Personal Finance  Foreign Language I & II  Fine Art  ½ PE | | | | | | | | | | | | | | | | | | |
| **Other Recommended Electives** | | | | | | | | | | | | | | | | | | |
| * Computer Applications * Med. Therapeutics/Rehab Therapy * Foreign Language III * Business/Allied Health * Culinary Arts | | | | | * Psychology/Sociology * Vet Science * Physical Education II * Life Connections | | | | | * NJROTC * Nutrition and Foods * Child and Lifespan Development * AP Courses | | | | | | * Science Electives * Dual Credit Electives * Work Based Learning * Dual Health Classes | | |

Hospitality & Tourism

*Careers in planning, managing, & providing lodging, food, recreation, convention & tourism, travel & related services*

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| **Sample Careers: Hospitality & Tourism** | | | | | **PROGRAMS OF STUDY** | | | | | **PROGRAM REQUIREMENTS:** | | | | |
| Executive Chef, Museum Director, Theme Park Director, General Manager, Sales & Marketing Director, Food & Beverage Director, Events Planner, Restaurant Owner/Manager, Caterer, Travel, Agent, Concierge, Front Desk Supervisor, Interpreter, Motor Coach Operator, Entertainer, Chef, Tour Guide, Ticket Taker, Theme Park Ride Operator, Restaurant Server, Short-order Cook, Housekeeper | | | | | \_\_\_\_Food and Beverage  Service | | | | | 1. Family and Consumer Science  2. Culinary Arts I  3. Culinary Arts II  4. Culinary Arts III | | | | |
| **CORE COURSE RECOMMENDATIONS** | | | | | | | | | | | | | | |
| 9th Grade | | | | | |  | 10th Grade | | | | | | | |
|  | **Honors** | **University**  **Readiness** | | **Technical College/Work** | |  |  | | **Honors** | | **University**  **Readiness** | | | **Technical College/Work** |
| **English** | -Academy Honors Eng  -Freshman Studies2 | -Academy English/Honors | | -Academy English  -Transition English I | |  | **English** | | -Eng II H  -Sophomore Studies3 | | -English II H  -English II | | | -English II |
| **Math** | -Geometry H | - Academy Algebra/Honors | | -Academy Algebra  -Algebra A | |  | **Math** | | -Algebra II H | | -Geometry H  -Geometry | | | -Geometry  -Alg B/Geom |
| **Science** | -Chemistry I H  -Biology I H | -Biology I H  -Physical Science | | -Physical Science | |  | **Science** | | -Chem II H/ AP  -Chem I H | | -Chemistry I H  -Chemistry I  -General Chemistry | | | -Gen Chemistry  -Biology I |
| **Social Studies** | -World History  2Freshman Studies students will take Wellness | | | | |  | **Wellness** | | -Wellness  3Sophomore Studies students will take W. History H | | | | | |
| 11th Grade | | | | | |  | 12th Grade | | | | | | | |
|  | **Honors** | **University Readiness** | | **Technical College/Work** | |  |  | | **Honors** | | | **University Readiness** | | **Technical College/Work** |
| **English** | -JR Studies (JR AP)  -English III H | -English III H  -English III | | -English III | |  | **English** | | -Eng IV:Dual Enroll  -SR AP  -Eng IV H | | | -English IV H  -English IV | | -English IV |
| **Math** | -Pre-Calculus H  -Adv. Alg/Trig | -Algebra II H  -Adv. Algebra  -Algebra II | | -Algebra II  -Tech Algebra II | |  | **Math** | | -Calculus/AP  -Dual Stats | | | -Pre-Calculus  -Adv. Alg/Trig  -Dual Stats  -Adv. Algebra  -Bridge Math | | -Statistics  -Bridge Math |
| **Science** | -Biology II H/AP  -Chem II H/AP  -Physics H | -Biology I  -Chemistry II H  -Biology II H  -Physics H  -Ecology CP | | -Gen. Chemistry  -Ecology | |  | **Science** | | -Biology II H/AP  -Chem II H/AP  -Physics H  -Anat. & Phys. H | | | -Biology II H  -Chemistry II H  -Physics H  -Ecology CP | | -Ecology |
| **Social**  **Studies** | -JR Studies (US History AP) | -US History | | | |  | **Social**  **Studies** | | -U.S. Government, Economics | | | | | |
| **Other Required Courses (Sometime During High School)** | | | | | | | | | | | | | | |
| Personal Finance  Foreign Language I & II  Fine Art  ½ PE | | | | | | | | | | | | | | |
| **Other Recommended Electives** | | | | | | | | | | | | | | |
| * Family & Consumer Science * Virtual Enterprise | | | * Computer Applications * Nutrition and Foods | | | | | * Accounting I * Multimedia * Marketing I | | | | | * Dual Credit Electives * Foreign Language III * Marketing II | |

Human Services

*For careers in planning, managing and providing Human Services including social and related community services.*

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| **Sample Careers:** | | | | | | **PROGRAMS OF STUDY** | | | | | | | **PROGRAM REQUIREMENTS:** | | | | | |
| Interior Design, Fashion Design, Tailor, Dressmaker, Master Sewer | | | | | | Consumer Services | | | | | | | 1. Family & Consumer Science  2. Personal Finance  3. Life Connections | | | | | |
| Social Worker, Mental Health Counselor, School Counselor, Career Counselor, Marriage/Family Therapist, Psychologist, Sociologist, Nutritionist, Case Manager  Dietician, Nutritionist, Food Service Worker, Exercise Physiologist | | | | | | Counseling & Mental Health Services  Assist people with personal, family, educational, mental health & career decisions & problems. | | | | | | | 1. Family & Consumer Science  2. Child and Lifespan Development  3. Life Connections | | | | | |
| \_\_\_\_ Nutritional Counseling | | | | | | | 1. Family and Consumer Science  2. Nutrition and Foods  3. Child and Lifespan Development | | | | | |
| \_\_\_\_Family and Community Services | | | | | | | 1. Family & Consumer Science  2. Nutrition and Foods  3. Life Connections | | | | | |
| Cosmetologist, Barber, Skins Care Specialists, Manicurist, Pedicurist, Shampooer, Personal & Home Care Aides | | | | | | Personal Care Services  Assist individuals with their personal appearance, including hair, nails, skin, make-up, wigs & personal fitness as well as, funeral arrangements. | | | | | | | 1. Principles of Cosmetology  2. Cosmetology II  3. Cosmetology III | | | | | |
| **CORE COURSE RECOMMENDATIONS** | | | | | | | | | | | | | | | | | | |
| 9th Grade | | | | | | | |  | 10th Grade | | | | | | | | | |
|  | | **Honors** | **University**  **Readiness** | | | | **Technical College/Work** |  |  | | | **Honors** | | **University**  **Readiness** | | | **Technical College/Work** | |
| **English** | | -Academy Honors Eng  -Freshman Studies2 | -Academy English/Honors | | | | -Academy English  -Transition English I |  | **English** | | | -Eng II H  -Sophomore Studies3 | | -English II H  -English II | | | -English II | |
| **Math** | | -Geometry H | - Academy Algebra/Honors | | | | -Academy Algebra  -Algebra A |  | **Math** | | | -Algebra II H | | -Geometry H  -Geometry | | | -Geometry  -Alg B/Geom | |
| **Science** | | -Chemistry I H  -Biology I H | -Biology I H  -Physical Science | | | | -Physical Science |  | **Science** | | | -Chem II H/ AP  -Chem I H | | -Chemistry I H  -Chemistry I  -General Chemistry | | | -Gen Chemistry  -Biology I | |
| **Social Studies** | | -World History  2Freshman Studies students will take Wellness | | | | | |  | **Wellness** | | | -Wellness  3Sophomore Studies students will take W. History H | | | | | | |
| 11th Grade | | | | | | | |  | 12th Grade | | | | | | | | | |
|  | **Honors** | | | **University Readiness** | | | **Technical College/Work** |  |  | | **Honors** | | | | **University Readiness** | | | **Technical College/Work** |
| **English** | -JR Studies (JR AP)  -English III H | | | -English III H  -English III | | | -English III |  | **English** | | -Eng IV:Dual Enroll  -SR AP  -Eng IV H | | | | -English IV H  -English IV | | | -English IV |
| **Math** | -Pre-Calculus H  -Adv. Alg/Trig | | | -Algebra II H  -Adv. Algebra  -Algebra II | | | -Algebra II  -Tech Algebra II |  | **Math** | | -Calculus/AP  -Dual Stats | | | | -Pre-Calculus  -Adv. Alg/Trig  -Dual Stats  -Adv. Algebra  -Bridge Math | | | -Statistics  -Bridge Math |
| **Science** | -Biology II H/AP  -Chem II H/AP  -Physics H | | | -Biology I  -Chemistry II H  -Biology II H  -Physics H  -Ecology CP | | | -Gen. Chemistry  -Ecology |  | **Science** | | -Biology II H/AP  -Chem II H/AP  -Physics H  -Anat. & Phys. H | | | | -Biology II H  -Chemistry II H  -Physics H  -Ecology CP | | | -Ecology |
| **Social**  **Studies** | -JR Studies (US History AP) | | | -US History | | | |  | **Social**  **Studies** | | -U.S. Government, Economics | | | | | | | |
| **Other Required Courses (Sometime During High School)** | | | | | | | | | | | | | | | | | | |
| Personal Finance  Foreign Language I & II  Fine Art  ½ PE | | | | | | | | | | | | | | | | | | |
| **Other Recommended Electives** | | | | | | | | | | | | | | | | | | |
| * Computer Applications * Speech * Life Connections | | | | | * Child and Lifespan Development * Physical Education II * NJROTC | | | | | * Health Science * Foreign Language III * Psychology/Sociology | | | | | | * Dual Credit Electives * Culinary Arts * Work Based Learning | | |

Information Technology

*For careers in designing, developing, managing and supporting hardware, software, multimedia and systems integration services.*

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| **Sample Careers:** | | | | | **PROGRAMS OF STUDY** | | | | | | | **PROGRAM REQUIREMENTS:** | | | | | |
| Computer Programmer, Game Designer, IT technician | | | | | Programming and Software Development | | | | | | | 1. Computer Applications  2. Computer Programming I  3. Computer Programming II | | | | | |
| Multi-media Artist & Animator, Media Specialist, Web Master, Game Developer | | | | | Interactive Multimedia  Create, design & produce interactive multimedia products & services. This includes development of digitally-generated or computer-enhanced media used in business, training, entertainment, communications & marketing. | | | | | | | 1. Computer Applications  2. Multimedia  3. PSTCC Dual Credit Multimedia | | | | | |
| **CORE COURSE RECOMMENDATIONS** | | | | | | | | | | | | | | | | | |
| 9th Grade | | | | | | |  | 10th Grade | | | | | | | | | |
|  | | **Honors** | **University**  **Readiness** | | | **Technical College/Work** |  |  | | | **Honors** | | **University**  **Readiness** | | | **Technical College/Work** | |
| **English** | | -Academy Honors Eng  -Freshman Studies2 | -Academy English/Honors | | | -Academy English  -Transition English I |  | **English** | | | -Eng II H  -Sophomore Studies3 | | -English II H  -English II | | | -English II | |
| **Math** | | -Geometry H | - Academy Algebra/Honors | | | -Academy Algebra  -Algebra A |  | **Math** | | | -Algebra II H | | -Geometry H  -Geometry | | | -Geometry  -Alg B/Geom | |
| **Science** | | -Chemistry I H  -Biology I H | -Biology I H  -Physical Science | | | -Physical Science |  | **Science** | | | -Chem II H/ AP  -Chem I H | | -Chemistry I H  -Chemistry I  -General Chemistry | | | -Gen Chemistry  -Biology I | |
| **Social Studies** | | -World History  2Freshman Studies students will take Wellness | | | | |  | **Wellness** | | | -Wellness  3Sophomore Studies students will take W. History H | | | | | | |
| 11th Grade | | | | | | |  | 12th Grade | | | | | | | | | |
|  | **Honors** | | | **University Readiness** | | **Technical College/Work** |  |  | | **Honors** | | | | **University Readiness** | | | **Technical College/Work** |
| **English** | -JR Studies (JR AP)  -English III H | | | -English III H  -English III | | -English III |  | **English** | | -Eng IV:Dual Enroll  -SR AP  -Eng IV H | | | | -English IV H  -English IV | | | -English IV |
| **Math** | -Pre-Calculus H  -Adv. Alg/Trig | | | -Algebra II H  -Adv. Algebra  -Algebra II | | -Algebra II  -Tech Algebra II |  | **Math** | | -Calculus/AP  -Dual Stats | | | | -Pre-Calculus  -Adv. Alg/Trig  -Dual Stats  -Adv. Algebra  -Bridge Math | | | -Statistics  -Bridge Math |
| **Science** | -Biology II H/AP  -Chem II H/AP  -Physics H | | | -Biology I  -Chemistry II H  -Biology II H  -Physics H  -Ecology CP | | -Gen. Chemistry  -Ecology |  | **Science** | | -Biology II H/AP  -Chem II H/AP  -Physics H  -Anat. & Phys. H | | | | -Biology II H  -Chemistry II H  -Physics H  -Ecology CP | | | -Ecology |
| **Social**  **Studies** | -JR Studies (US History AP) | | | -US History | | |  | **Social**  **Studies** | | -U.S. Government, Economics | | | | | | | |
| **Other Required Courses (Sometime During High School)** | | | | | | | | | | | | | | | | | |
| Personal Finance  Foreign Language I & II  Fine Art  ½ PE | | | | | | | | | | | | | | | | | |
| **Other Recommended Electives** | | | | | | | | | | | | | | | | | |
| * Computer Programming * Computer Applications * Multimedia | | | | | * Web Page Design * Marketing * Speech | | | | * Visual Art * Crafts * Advanced Art | | | | | | * Foreign Language III * Dual Credit Electives * Work Based Learning | | |

Law, Public Safety, Corrections & Security

*For careers in Planning, Managing and providing Judicial, Legal and protective services. Including professional and technical support services in the fire protection and criminal justice systems.*

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| **Sample Careers:** | | | | | | | **PROGRAMS OF STUDY** | | | | | | | | **PROGRAM REQUIREMENTS:** | | | |
| Lawyer, Federal Marshall, Detective, Fire Marshall, Probation/Parole Officer, Park Ranger, EMT, Fire Fighter, Police Officer, Court Reporter, Hazardous Materials Responder, Paralegal, Legal Secretary, Security Guard, Dispatcher, Ambulance, Driver, Jailer, Dog Catcher | | | | | | | Law Enforcement Services  Provide services to protect lives & property. Duties range from controlling traffic to preventing & investigating crimes as well as assisting in the prosecution of crimes. | | | | | | | | 1. Criminal Justice I  2. Criminal Justice II  3. Criminal Justice III  4. Any Dual Credit Law Course | | | |
| Military Service | | | | | | | NJROTC: Explore elements of patriotism, citizenship, and national security | | | | | | | | At least 4 semesters of NJROTC | | | |
| **CORE COURSE RECOMMENDATIONS** | | | | | | | | | | | | | | | | | | |
| 9th Grade | | | | | | | |  | 10th Grade | | | | | | | | | |
|  | | **Honors** | **University**  **Readiness** | | | **Technical College/Work** | |  |  | | | **Honors** | **University**  **Readiness** | | | | **Technical College/Work** | |
| **English** | | -Academy Honors Eng  -Freshman Studies2 | -Academy English/Honors | | | -Academy English  -Transition English I | |  | **English** | | | -Eng II H  -Sophomore Studies3 | -English II H  -English II | | | | -English II | |
| **Math** | | -Geometry H | - Academy Algebra/Honors | | | -Academy Algebra  -Algebra A | |  | **Math** | | | -Algebra II H | -Geometry H  -Geometry | | | | -Geometry  -Alg B/Geom | |
| **Science** | | -Chemistry I H  -Biology I H | -Biology I H  -Physical Science | | | -Physical Science | |  | **Science** | | | -Chem II H/ AP  -Chem I H | -Chemistry I H  -Chemistry I  -General Chemistry | | | | -Gen Chemistry  -Biology I | |
| **Social Studies** | | -World History  2Freshman Studies students will take Wellness | | | | | |  | **Wellness** | | | -Wellness  3Sophomore Studies students will take W. History H | | | | | | |
| 11th Grade | | | | | | | |  | 12th Grade | | | | | | | | | |
|  | **Honors** | | | **University Readiness** | | **Technical College/Work** | |  |  | | **Honors** | | | **University Readiness** | | | | **Technical College/Work** |
| **English** | -JR Studies (JR AP)  -English III H | | | -English III H  -English III | | -English III | |  | **English** | | -Eng IV:Dual Enroll  -SR AP  -Eng IV H | | | -English IV H  -English IV | | | | -English IV |
| **Math** | -Pre-Calculus H  -Adv. Alg/Trig | | | -Algebra II H  -Adv. Algebra  -Algebra II | | -Algebra II  -Tech Algebra II | |  | **Math** | | -Calculus/AP  -Dual Stats | | | -Pre-Calculus  -Adv. Alg/Trig  -Dual Stats  -Adv. Algebra  -Bridge Math | | | | -Statistics  -Bridge Math |
| **Science** | -Biology II H/AP  -Chem II H/AP  -Physics H | | | -Biology I  -Chemistry II H  -Biology II H  -Physics H  -Ecology CP | | -Gen. Chemistry  -Ecology | |  | **Science** | | -Biology II H/AP  -Chem II H/AP  -Physics H  -Anat. & Phys. H | | | -Biology II H  -Chemistry II H  -Physics H  -Ecology CP | | | | -Ecology |
| **Social**  **Studies** | -JR Studies (US History AP) | | | -US History | | | |  | **Social**  **Studies** | | -U.S. Government, Economics | | | | | | | |
| **Other Required Courses (Sometime During High School)** | | | | | | | | | | | | | | | | | | |
| Personal Finance  Foreign Language I & II  Fine Art  ½ PE | | | | | | | | | | | | | | | | | | |
| **Other Recommended Electives** | | | | | | | | | | | | | | | | | | |
| * Computer Applications * Webpage Design * Work Based Learning | | | | | * Psychology/Sociology * NJROTC * Physical Education II | | | | | * Speech * Ag Electives | | | | | | * Foreign Language III * Dual Credit Electives | | |

Manufacturing

*For careers in planning, managing and performing the processing of materials into intermediate or final products. This also includes related professional and technical support activities such as production planning and control, maintenance, and process engineering.*

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| **Sample Careers:** | | | | | | **PROGRAMS OF STUDY** | | | | | | | | | **PROGRAM REQUIREMENTS:** | | |
| Welder, Boilermakers, First-Line Supervisor, Electric Motor & Power Tool Repairer, Millwright | | | | | | Operations & Maintenance  Perform welding & preventive maintenance procedures on machines, tools & equipment. Troubleshoot & repair electrical/electronic & mechanical systems. Includes mechanical repair & inventory control systems. | | | | | | | | | 1. Prin. of Machining  2. Machining I  3. Machining II | | |
| Machinist, Structural Metal Fabricator & Fitter, Computer-controlled Machine Tool Technician, Tool Setter, Metal Pourers & Casters, Metal & Plastic Worker, Dental Lab Technician, Medical Appliance Technician, Ophthalmic Lab Technician | | | | | | Precision Productions  Apply process development skills to the design of products & design of the manufacturing process. Work with customers to produce a product that meets or exceeds customer expectations. Includes skills in machining techniques. | | | | | | | | | 1. Principles of Welding  2. Welding I  3. Welding II  4. Work Based Learning | | |
| Aerospace Engineer, Biomedical Engineer, Chemical Engineer, Civil Engineer, Electrical Engineer, Industrial Engineering, Mechanical Engineer, Nuclear Engineer, Other Engineer, Engineering Technician | | | | | | Engineering  Apply mathematical & scientific principles to develop effective solutions to real-world, common technical problems. Includes designing, developing & building machinery & complex systems used in production of goods and developing systems & machinery for extracting & processing raw materials. | | | | | | | | | 1. Engineering I  2. Engineering II  3. Engineering III  4. Engineering IV | | |
| **CORE COURSE RECOMMENDATIONS** | | | | | | | | | | | | | | | | | |
| 9th Grade | | | | | | | |  | 10th Grade | | | | | | | | |
|  | | **Honors** | **University**  **Readiness** | | | | **Technical College/Work** |  |  | | | **Honors** | **University**  **Readiness** | | | **Technical College/Work** | |
| **English** | | -Academy Honors Eng  -Freshman Studies2 | -Academy English/Honors | | | | -Academy English  -Transition English I |  | **English** | | | -Eng II H  -Sophomore Studies3 | -English II H  -English II | | | -English II | |
| **Math** | | -Geometry H | - Academy Algebra/Honors | | | | -Academy Algebra  -Algebra A |  | **Math** | | | -Algebra II H | -Geometry H  -Geometry | | | -Geometry  -Alg B/Geom | |
| **Science** | | -Chemistry I H  -Biology I H | -Biology I H  -Physical Science | | | | -Physical Science |  | **Science** | | | -Chem II H/ AP  -Chem I H | -Chemistry I H  -Chemistry I  -General Chemistry | | | -Gen Chemistry  -Biology I | |
| **Social Studies** | | -World History  2Freshman Studies students will take Wellness | | | | | |  | **Wellness** | | | -Wellness  3Sophomore Studies students will take W. History H | | | | | |
| 11th Grade | | | | | | | |  | 12th Grade | | | | | | | | |
|  | **Honors** | | | **University Readiness** | | | **Technical College/Work** |  |  | | **Honors** | | | **University Readiness** | | | **Technical College/Work** |
| **English** | -JR Studies (JR AP)  -English III H | | | -English III H  -English III | | | -English III |  | **English** | | -Eng IV:Dual Enroll  -SR AP  -Eng IV H | | | -English IV H  -English IV | | | -English IV |
| **Math** | -Pre-Calculus H  -Adv. Alg/Trig | | | -Algebra II H  -Adv. Algebra  -Algebra II | | | -Algebra II  -Tech Algebra II |  | **Math** | | -Calculus/AP  -Dual Stats | | | -Pre-Calculus  -Adv. Alg/Trig  -Dual Stats  -Adv. Algebra  -Bridge Math | | | -Statistics  -Bridge Math |
| **Science** | -Biology II H/AP  -Chem II H/AP  -Physics H | | | -Biology I  -Chemistry II H  -Biology II H  -Physics H  -Ecology CP | | | -Gen. Chemistry  -Ecology |  | **Science** | | -Biology II H/AP  -Chem II H/AP  -Physics H  -Anat. & Phys. H | | | -Biology II H  -Chemistry II H  -Physics H  -Ecology CP | | | -Ecology |
| **Social**  **Studies** | -JR Studies (US History AP) | | | -US History | | | |  | **Social**  **Studies** | | -U.S. Government, Economics | | | | | | |
| **Other Required Courses (Sometime During High School)** | | | | | | | | | | | | | | | | | |
| Personal Finance  Foreign Language I & II  Fine Art  ½ PE | | | | | | | | | | | | | | | | | |
| **Other Recommended Electives** | | | | | | | | | | | | | | | | | |
| * Computer Applications * Welding, Machining | | | | | * Construction Core * Ag Mechanics | | | | | * Engineering electives * NJROTC | | | | | * Foreign Language III * Work Based Learning | | |

Marketing Sales and Service

*For careers in planning, managing and performing wholesaling retailing services.  This includes marketing and distribution, support services such as, product management and promotion.*

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| **Sample Careers:** | | | | | | | **PROGRAMS OF STUDY** | | | | | | | **PROGRAM REQUIREMENTS:** | | | | |
| Public Relations Manager, Product Manager, Human Resource Manager, Sales Manager, Business Owner, Logistics Manager, Advertising Manager, Promotion/Media Planner, Warehouse Manager, Customer Service Representative, Website Manager, Retail Sales, Product Planner, Wholesaler, Restaurant/Food Service Manager, Events Coordinator, Accountant, Financial Planner, Actuary, Economist, Auditor, Stock Broker, Debt Counselor, Insurance Broker, Tax Preparer, Loan Officer, Bill & Account Collector, Fund Raiser, Data Processor, Bank Teller | | | | | | | Marketing Communication  Planning, coordinating & implementing marketing strategy, advertising, promotion & public relations tasks. | | | | | | | 1. Marketing I  2. Marketing II  3. Virtual Enterprise | | | | |
| Merchandising  Promoting & selling products; includes coordinating production & marketing tasks s as well as, developing advertising displays & sales strategies. | | | | | | | 1. Marketing I  2. Marketing II  3. Virtual Enterprise | | | | |
| **CORE COURSE RECOMMENDATIONS** | | | | | | | | | | | | | | | | | | |
| 9th Grade | | | | | | | |  | 10th Grade | | | | | | | | | |
|  | | **Honors** | **University**  **Readiness** | | | **Technical College/Work** | |  |  | | | **Honors** | **University**  **Readiness** | | | | **Technical College/Work** | |
| **English** | | -Academy Honors Eng  -Freshman Studies2 | -Academy English/Honors | | | -Academy English  -Transition English I | |  | **English** | | | -Eng II H  -Sophomore Studies3 | -English II H  -English II | | | | -English II | |
| **Math** | | -Geometry H | - Academy Algebra/Honors | | | -Academy Algebra  -Algebra A | |  | **Math** | | | -Algebra II H | -Geometry H  -Geometry | | | | -Geometry  -Alg B/Geom | |
| **Science** | | -Chemistry I H  -Biology I H | -Biology I H  -Physical Science | | | -Physical Science | |  | **Science** | | | -Chem II H/ AP  -Chem I H | -Chemistry I H  -Chemistry I  -General Chemistry | | | | -Gen Chemistry  -Biology I | |
| **Social Studies** | | -World History  2Freshman Studies students will take Wellness | | | | | |  | **Wellness** | | | -Wellness  3Sophomore Studies students will take W. History H | | | | | | |
| 11th Grade | | | | | | | |  | 12th Grade | | | | | | | | | |
|  | **Honors** | | | **University Readiness** | | **Technical College/Work** | |  |  | | **Honors** | | | | **University Readiness** | | | **Technical College/Work** |
| **English** | -JR Studies (JR AP)  -English III H | | | -English III H  -English III | | -English III | |  | **English** | | -Eng IV:Dual Enroll  -SR AP  -Eng IV H | | | | -English IV H  -English IV | | | -English IV |
| **Math** | -Pre-Calculus H  -Adv. Alg/Trig | | | -Algebra II H  -Adv. Algebra  -Algebra II | | -Algebra II  -Tech Algebra II | |  | **Math** | | -Calculus/AP  -Dual Stats | | | | -Pre-Calculus  -Adv. Alg/Trig  -Dual Stats  -Adv. Algebra  -Bridge Math | | | -Statistics  -Bridge Math |
| **Science** | -Biology II H/AP  -Chem II H/AP  -Physics H | | | -Biology I  -Chemistry II H  -Biology II H  -Physics H  -Ecology CP | | -Gen. Chemistry  -Ecology | |  | **Science** | | -Biology II H/AP  -Chem II H/AP  -Physics H  -Anat. & Phys. H | | | | -Biology II H  -Chemistry II H  -Physics H  -Ecology CP | | | -Ecology |
| **Social**  **Studies** | -JR Studies (US History AP) | | | -US History | | | |  | **Social**  **Studies** | | -U.S. Government, Economics | | | | | | | |
| **Other Required Courses (Sometime During High School)** | | | | | | | | | | | | | | | | | | |
| Personal Finance  Foreign Language I & II  Fine Art  ½ PE | | | | | | | | | | | | | | | | | | |
| **Other Recommended Electives** | | | | | | | | | | | | | | | | | | |
| * Computer Applications * Multimedia * NJROTC * Virtual Enterprise | | | | | * Accounting * Web Page Design * Personal Finance/Banking | | | | | * Psychology/Sociology * Youth Leadership * Foreign Language III | | | | | | * Speech * Dual Credit Electives * Work Based Learning | | |

Science, Technology, Engineering and Mathematics

*For careers in planning, managing and providing scientific research and professional and technical services. This includes laboratory and testing services as well as research and development services.*

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| **Sample Careers:** | | | | | | | **PROGRAMS OF STUDY** | | | | | | **PROGRAM REQUIREMENTS:** | | | | | |
| Aerospace Engineer, Biomedical Engineer, Chemical Engineer, Civil Engineer, Electrical Engineer, Industrial Engineering, Mechanical Engineer, Nuclear Engineer, Other Engineer, Engineering Technician | | | | | | | Engineering & Technology  **(Currently offered only in Manufacturing Cluster.)**  Apply mathematics, science & technology concepts to solve problems in engineering projects. | | | | | | Interested students should consider the Engineering POS in the Manufacturing Cluster (See p. 34). | | | | | |
| Chemist, Ecologist, Geologist, Biologist, Mathematician, Actuary, Meteorologist, Physicist, Chemist, Other Scientist, Medical Specialist, Secondary Educator, College Professor, Survey Technician, Scientific or Medical Researcher, Research Assistant, Lab Assistant, Medical Courier | | | | | | | Science & Math  Apply essential Mathematics & Science content & skills to the real world. | | | | | | 3 **additional** credits (**beyond** those required for graduation) from: Science and/or Math. Select courses based on relevance to career area. | | | | | |
| **CORE COURSE RECOMMENDATIONS** | | | | | | | | | | | | | | | | | | |
| 9th Grade | | | | | | | |  | 10th Grade | | | | | | | | | |
|  | | **Honors** | **University**  **Readiness** | | | **Technical College/Work** | |  |  | | | **Honors** | | **University**  **Readiness** | | | **Technical College/Work** | |
| **English** | | -Academy Honors Eng  -Freshman Studies2 | -Academy English/Honors | | | -Academy English  -Transition English I | |  | **English** | | | -Eng II H  -Sophomore Studies3 | | -English II H  -English II | | | -English II | |
| **Math** | | -Geometry H | - Academy Algebra/Honors | | | -Academy Algebra  -Algebra A | |  | **Math** | | | -Algebra II H | | -Geometry H  -Geometry | | | -Geometry  -Alg B/Geom | |
| **Science** | | -Chemistry I H  -Biology I H | -Biology I H  -Physical Science | | | -Physical Science | |  | **Science** | | | -Chem II H/ AP  -Chem I H | | -Chemistry I H  -Chemistry I  -General Chemistry | | | -Gen Chemistry  -Biology I | |
| **Social Studies** | | -World History  2Freshman Studies students will take Wellness | | | | | |  | **Wellness** | | | -Wellness  3Sophomore Studies students will take W. History H | | | | | | |
| 11th Grade | | | | | | | |  | 12th Grade | | | | | | | | | |
|  | **Honors** | | | **University Readiness** | | **Technical College/Work** | |  |  | | **Honors** | | | | **University Readiness** | | | **Technical College/Work** |
| **English** | -JR Studies (JR AP)  -English III H | | | -English III H  -English III | | -English III | |  | **English** | | -Eng IV:Dual Enroll  -SR AP  -Eng IV H | | | | -English IV H  -English IV | | | -English IV |
| **Math** | -Pre-Calculus H  -Adv. Alg/Trig | | | -Algebra II H  -Adv. Algebra  -Algebra II | | -Algebra II  -Tech Algebra II | |  | **Math** | | -Calculus/AP  -Dual Stats | | | | -Pre-Calculus  -Adv. Alg/Trig  -Dual Stats  -Adv. Algebra  -Bridge Math | | | -Statistics  -Bridge Math |
| **Science** | -Biology II H/AP  -Chem II H/AP  -Physics H | | | -Biology I  -Chemistry II H  -Biology II H  -Physics H  -Ecology CP | | -Gen. Chemistry  -Ecology | |  | **Science** | | -Biology II H/AP  -Chem II H/AP  -Physics H  -Anat. & Phys. H | | | | -Biology II H  -Chemistry II H  -Physics H  -Ecology CP | | | -Ecology |
| **Social**  **Studies** | -JR Studies (US History AP) | | | -US History | | | |  | **Social**  **Studies** | | -U.S. Government, Economics | | | | | | | |
| **Other Required Courses (Sometime During High School)** | | | | | | | | | | | | | | | | | | |
| Personal Finance  Foreign Language I & II  Fine Art  ½ PE | | | | | | | | | | | | | | | | | | |
| **Other Recommended Electives** | | | | | | | | | | | | | | | | | | |
| * Computer Applications * Health Science Education * Additional Science Electives | | | | | * Engineering * Child and Lifespan Development * AP courses | | | | | * Psychology/Sociology * Foreign Language III | | | | | | * Dual Credit Electives * Work Based Learning | | |

Transportation, Distribution and Logistics

*This Career Cluster offers careers in planning, managing and moving people, materials and goods by road, pipeline, air, rail and water. This also includes, coordinating details and schedules as well as equipment and facility maintenance.*

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| **Sample Careers:** | | | | | | **PROGRAMS OF STUDY** | | | | | | | **PROGRAM REQUIREMENTS:** | | | | | |
| Automotive Service Technician, Automotive Service Mechanic, Recreational Vehicle Service Technicians, Tire Repairer & Changer | | | | | | Automotive Technology  Apply technical skills to properly diagnosis, repair & maintain the parts & systems or the modern automobile. | | | | | | | 1. Transportation Core/MLR I  2. Maintenance & Light Repair (MLR) II  3. Maintenance & Light Repair (MLR) III  4. Maintenance & Light Repair (MLR) IV  5. Work Based Learning | | | | | |
| Automotive Body & Related Repairer, Automotive Glass Installers & Repairers, Rail Car Repairer, Mobile Heavy Equipment Mechanic (except engines) | | | | | | Collision Repair Technology  Apply skills to restore vehicles damaged as a result of collision, corrosion, or wear. | | | | | | | 1. Transportation Core  2. Collision Repair: Non-Structural  3. Collision Repair: Painting/Refinishing  4. Work Based Learning | | | | | |
| Pilot, Copilot, Flight Engineer, Air Traffic Controller, Aircraft Cargo Handling Supervisor | | | | | | Aviation Flight  **(Not currently offered.)**  Apply knowledge of aviation, aerodynamics & air plane systems to advance as a commercial/private/military pilot. | | | | | | | Consider a POS in Science & Math (See p 36) or a POS in Engineering from Manufacturing Cluster (See p. 34). | | | | | |
| Motorboat Mechanic, Motorcycle Mechanic, Outdoor Power Equipment Mechanic, Small Engine Mechanic | | | | | | Leisure Craft/ Small Engine Technology  **(Not currently offered.)**  Apply skills in tool use, measurement, maintenance, diagnostics, & repair of small internal combustion engines. | | | | | | | Consider a POS in Power, Structures, & Tech. Systems in the Ag Cluster (See p. 22). | | | | | |
| **CORE COURSE RECOMMENDATIONS** | | | | | | | | | | | | | | | | | | |
| 9th Grade | | | | | | | |  | 10th Grade | | | | | | | | | |
|  | | **Honors** | **University**  **Readiness** | | | | **Technical College/Work** |  |  | | | **Honors** | | **University**  **Readiness** | | | **Technical College/Work** | |
| **English** | | -Academy Honors Eng  -Freshman Studies2 | -Academy English/Honors | | | | -Academy English  -Transition English I |  | **English** | | | -Eng II H  -Sophomore Studies3 | | -English II H  -English II | | | -English II | |
| **Math** | | -Geometry H | - Academy Algebra/Honors | | | | -Academy Algebra  -Algebra A |  | **Math** | | | -Algebra II H | | -Geometry H  -Geometry | | | -Geometry  -Alg B/Geom | |
| **Science** | | -Chemistry I H  -Biology I H | -Biology I H  -Physical Science | | | | -Physical Science |  | **Science** | | | -Chem II H/ AP  -Chem I H | | -Chemistry I H  -Chemistry I  -General Chemistry | | | -Gen Chemistry  -Biology I | |
| **Social Studies** | | -World History  2Freshman Studies students will take Wellness | | | | | |  | **Wellness** | | | -Wellness  3Sophomore Studies students will take W. History H | | | | | | |
| 11th Grade | | | | | | | |  | 12th Grade | | | | | | | | | |
|  | **Honors** | | | **University Readiness** | | | **Technical College/Work** |  |  | | **Honors** | | | | **University Readiness** | | | **Technical College/Work** |
| **English** | -JR Studies (JR AP)  -English III H | | | -English III H  -English III | | | -English III |  | **English** | | -Eng IV:Dual Enroll  -SR AP  -Eng IV H | | | | -English IV H  -English IV | | | -English IV |
| **Math** | -Pre-Calculus H  -Adv. Alg/Trig | | | -Algebra II H  -Adv. Algebra  -Algebra II | | | -Algebra II  -Tech Algebra II |  | **Math** | | -Calculus/AP  -Dual Stats | | | | -Pre-Calculus  -Adv. Alg/Trig  -Dual Stats  -Adv. Algebra  -Bridge Math | | | -Statistics  -Bridge Math |
| **Science** | -Biology II H/AP  -Chem II H/AP  -Physics H | | | -Biology I  -Chemistry II H  -Biology II H  -Physics H  -Ecology CP | | | -Gen. Chemistry  -Ecology |  | **Science** | | -Biology II H/AP  -Chem II H/AP  -Physics H  -Anat. & Phys. H | | | | -Biology II H  -Chemistry II H  -Physics H  -Ecology CP | | | -Ecology |
| **Social**  **Studies** | -JR Studies (US History AP) | | | -US History | | | |  | **Social**  **Studies** | | -U.S. Government, Economics | | | | | | | |
| **Other Required Courses (Sometime During High School)** | | | | | | | | | | | | | | | | | | |
| Personal Finance  Foreign Language I & II  Fine Art  ½ PE | | | | | | | | | | | | | | | | | | |
| **Other Recommended Electives** | | | | | | | | | | | | | | | | | | |
| * Computer Applications * Ag Power/Equipment | | | | | * Auto Academy * NJROTC | | | | | * Sociology/Psychology | | | | | | * Work Based Learning | | |

Additional Programs of Study

In addition to the Programs of Study listed in the previous pages, the following programs will also satisfy the Program of Study requirements.  **If you choose one of the following to meet your requirements for Program of Study, you MUST:**

* Discuss this course of action with your guidance counselor each year
* Complete the specified type and amount of required electives listed below
* Choose a Career Cluster and follow suggested coursework as closely as possible (depending on plans after high school)
* Complete ALL OTHER steps listed on **p. 21.**

|  |  |  |
| --- | --- | --- |
| **Sample Careers:** | **PROGRAMS OF STUDY** | **PROGRAM REQUIREMENTS:** |
| Foreign Language Teacher/College Professor, Foreign Language Interpreter, Ambassador, English Teacher/College Professor, Historian, Foreign Service, Journalist, Editor, Publisher, Researcher, Military, Peace Corp Worker, Red Cross Worker, Grant Writer | Humanities | 3 **additional** humanities credits beyond regular graduation requirements. Courses include English electives and Sociology/Psychology. Discuss this program with your counselor for approval |
| Careers requiring bachelor’s degree or greater | Advanced Placement (AP) | 3 **additional** AP credits are required. Discuss this program with your counselor for approval. |
| \_\_\_\_Dual Enrollment | 3 Dual Enrollment courses are required. Discuss this program with your counselor for approval. |

Note: You should only select this Program of Study if you are CERTAIN that you can meet requirements during your high school career. Freshmen should still take electives that could fit into a Program of Study that fits their interests in order to prepare for additional coursework.

Quick Guide to Freshman Electives

The following chart will give you a good idea of electives to take as a freshman if you are still having trouble deciding. Use this chart with your Career Cluster page to generate a list of at **least 6** electives that interest you and will work with your Program of Study and career goals.

|  |  |
| --- | --- |
| **ELECTIVE COURSE TO TAKE IF…** | **YOU ARE INTERESTED IN…** |
| **Computer Applications** | **Business, Computers Programming, Computer Repair, Office, all areas** |
| **Construction Core** | **Construction, Carpentry, Welding, Electrical** |
| **Transportation Core** | **Auto Mechanics, Auto Body** |
| **Intro to Welding** | **Welding, Machining** |
| **Principles of Machining** | **Machining, Welding** |
| **Engineering Design** | **Engineering, Math/Science, Architecture, Manufacturing** |
| **Health Science Education (Must be in Biology I H. If you are not rec. this year, you can take this course in 10th grade)** | **ALL Health Services, Medical/Physical Therapies, Rehab Therapy** |
| **Family and Consumer Science** | **Early Childhood/Childcare, Human Services, Health Science, Nutrition, Education, Culinary Arts** |
| **NJROTC** | **Military Training, Naval Science, Govt Operations, Law Enforcement, Physical Training, National Security** |
| **Visual Art** | **Art History, Crafts, Advanced Arts** |
| **Beginning Chorus, Music Theory, Band, Theater Arts, Dance** | **Musical Performance, Drama, Dance Performance – These also meet Fine Arts graduation requirement** |
| **Principles of Agriculture** | **Landscaping, Greenhouse Management, Floriculture**  **Animal Science, Ag Mechanics, Wildlife Management, Greenhouse Management, Hydroponics, Horticulture** |
| **Mythology, Creative Writing, Film Criticism (must be in Fr. Stds.)** | **Humanities, Journalism, Writing, Literature** |

**FRESHMEN – JUST FOR YOU!!**

**FRESHMAN ACADEMY**

Anderson County High School Freshman Academy began during the 2007-2008 school year.  We simply wanted to provide more support for our freshmen as they entered high school.  As a result, we have seen an increase in students who are able to be successful in higher level courses. Students in the academy are given increased time to build a strong foundation in English and Math and are subsequently better prepared for future courses.

Our Freshman Academy includes year-long Algebra I and English I courses.  Students enrolled in Freshman Academy earn a strong foundation in Math and English due to the flexibility for continuous assessment and regrouping within the academy.  We strive to individualize curriculum to meet the needs of our students based on their ability to progress through concepts and curriculum standards. "Honors" credit is given to students who strive to meet "Honors" curriculum standards.

We are sure that the Freshman Academy provides a smoother transition to high school for our students.  A contributing factor to its success is that our teachers have a common planning period which allows for discussion and support of struggling students.  Furthermore, students have the opportunity to connect with these teachers due to our year-long schedule.  The success of our Freshman Academy is going to become increasingly important as students are now being required to take additional courses for graduation. We expect the academy to continue to improve our Math and English curriculum and prepare students for high school success.

**9th Grade Academic Course Offerings**

This section **lists** the ***academic*** courses available to 9th graders to facilitate the registration process. Be sure to read course descriptions so you know what each course entails and what requirements are necessary to take that course. For complete course descriptions, requirements, and sequences, see descriptions starting on p.42

**ENGLISH**

* **TRANSITION ENGLISH**
* **FRESHMAN ACADEMY ENGLISH** (Honors credit ***may*** be earned)
* **FRESHMAN STUDIES - ENGLISH HONORS** (Combined Explore score of at least 30 on English and Reading AND teacher recommendation)

**MATHEMATICS**

* **ALGEBRA A**
* **ACADEMY ALGEBRA I** (Honors credit ***may*** be earned)
* **ACADEMY ALGEBRA I HONORS (S1)/GEOMETRY HONORS (S2)**
* **GEOMETRY HONORS**

**SCIENCE**

* **PHYSICAL SCIENCE**
* **BIOLOGY I HONORS** (Explore score of 17 on 2 of the following subject areas: Science, Reading, Composite, and teacher recommendation)
* **CHEMISTRY I HONORS** (Must be enrolled in Geometry Honors and teacher recommendation)

**SOCIAL STUDIES**

* **WORLD HISTORY OR WORLD GEOGRAPHY**

**OTHER**

* **FRESHMAN STUDIES – PERSONAL FINANCE** (Combined Explore score of at least 30 on English and Reading AND teacher recommendation)

**9th Grade Elective Course Offerings**

This section **lists** the ***elective*** courses available to 9th graders to facilitate the registration process. Be sure to read course descriptions so you know what each course entails and what requirements are necessary to take that course. For complete course descriptions, requirements, and sequences, see complete descriptions starting on p. 42

**ARTS**

* **VISUAL ART I**
* **BEGINNING CHORUS**
* **MUSIC THEORY**
* **DANCE**
* **THEATER ARTS**
* **FLAGS (tryouts required)**
* **INSTRUMENTAL MUSIC (BAND)**

**FOREIGN LANGUAGE**

* **SPANISH I –** must be rec. for English Honors
* **FRENCH I –** must be rec. for English Honors

**HUMANITIES**

* **MYTHOLOGY -** must be in Freshman Studies
* **CREATIVE WRITING -** must be in Freshman Studies
* **NOVELS/ARTS –** must be in Freshman Studies
* **FILM CRITICISM -** must be in Freshman Studies

**NAVAL SCIENCE**

* **NJROTC 1**
* **NJROTC 2**

**9th Grade CAREER/TECHNICAL** **Course Offerings**

**Technical Courses offer all students the opportunity to:**

* **Receive job training**
* **“Try out” possible career choices**
* **Learn valuable life skills**

Note: Many of these courses may be required for your Program of Study. Be aware of the course sequences and needed pre-requisites for your proposed Program.

* **PRINCIPLES OF AGRICULTURAL SCIENCES**
* **TRANSPORTATION CORE**
* **CONSTRUCTION CORE**
* **PRINCIPLES OF MACHINING**
* **PRINCIPLES OF WELDING**
* **HEALTH SCIENCE EDUCATION (Must be in Biology I)**
* **FAMILY AND CONSUMER SCIENCES**
* **COMPUTER APPLICATIONS**
* **ENGINEERING DESIGN I**
* **CRIMINAL JUSTICE I** - must be in Honors English

|  |
| --- |
| **Course Offerings**  [Click to view](http://classroomclipart.com/clipart-view/Clipart/Gray_and_White/Sports/student_holding_stack_books_gray_jpg.htm) |

**COMPLETE COURSE OFFERINGS**

**Important Terms:**

* **Concurrent Courses:** Courses you can take before or at the same time as a given course
* **Core Courses:** Courses the State Department of Tennessee requires for all students
* **Course Sequence:** The order in which courses must be taken
* **Electives:** Courses you choose to take in addition to the core courses
* **Pre-requisites:** Courses you must take before you take a given course

**ARTS**

**3501 ART I** – Single Block; One Term; One Credit**; 9th** and 10th Grades; Pre-requisites and/or Requirements: $20 art fee.

This course, which provides an overview of art history, offers an introduction to drawing, perspective and spatial relationships, shading and design elements, and geometric and organic shapes. Basic concepts of color are introduced.

**3501C CRAFTS** – Single Block; One Term; One Credit; 10th, 11th, and 12th Grades; Pre-requisites and/or Requirements: $20 art fee

This is a survey class designed for students with little art background. The course not only provides an overview of various crafts but also explores the influence of craftsmen on the Appalachian region. Hands-on skill development is a critical part of this course.

**3543 ADVANCED ART** – Single Block; One Term; One Credit; 10th, 11th, and 12th Grades, Pre-requisites and/or Requirements: Art I & $20 art fee.

This course reviews and expands the basic skills gained in Art I. Projects stress design and composition, drawing, and three-dimensional work. Topics include painting, printmaking, basic photography, sculpture, calligraphy, architecture, and collage assembly. Students also study art history and develop individual portfolios for art school or college & architecture programs.

**3531B BEGINNING CHORUS –** Single Block; One Term; One Credit**; 9th**, 10th, 11th, and 12th Grades, Prerequisites and/or requirements: Open to all who enjoy singing. $20 fee required

This course consists of basic chord techniques that include sight-reading, music notation, rhythm counting, and part-singing. Participation in concerts is required. This class can only be taken once.

**3514 MUSIC THEORY –** Single block; One Term; One Credit, 9th, 10th, 11th, and 12th Grades. Pre-requisites and/or Requirements: Musical Experience Required

This is a beginning course that includes the study of the elements of music: notation, harmony, key relationships and chord patterns. Students will use the techniques of theory learned in class in order to: improvise melodies, perform, compose music, read music, listen to and analyze music, understand relationships between music and other arts and understand music in relation to history and culture. Though it is not a prerequisite, a basic knowledge of how to play an instrument or read music will be helpful. This course will be extremely helpful to those who wish to pursue music after high school.

**3517** **HISTORY** **OF** **ROCK** - Single Block; One Semester; One Credit; 10th - 12th Grades; Pre-requisites and/or Requirements: None.

This course explores the roots of rock-n-roll beginning with the African musical traits brought here beginning in 1619 to their fusion with European music brought here by the colonists. The story of this musical interaction is also the story of American popular music and includes everything from the plantation songs of Stephen Foster, the ragtime of Scott Joplin, the blues of Bessie Smith, the jazz of Count Basie, and the jump bands of Louis Jordan, to the garage bands of the late 1960’s. This will be a lecture-based course with lecture, discussion, music listening, note taking and rock projects determining the grade. Audiovisual materials supplement the text. This is a writing emphasis course.

**3531C CONCERT CHOIR** – Single Block; One Term ; One Credit; 10th, 11th, and 12th Grades. Pre-requisites and/or Requirements: Students are placed by audition with Choral Director in the spring – Requires out of school practice time. $20 fee required

Performance in concerts, festivals, and clinics is emphasized.

**3531S SHOW CHOIR –** Single Block; One Term; One Credits; 10th, 11th, and 12th Grades, Prerequisites and/or Requirements: Students are placed by audition with choral director in spring. $20 fee required

This is an advanced performing group. Most of the music performed by this group is choreographed. Students must be willing and able to commit to out of school practices.

**3530 INSTRUMENTAL MUSIC (BAND)** – Single Block; Two Terms; Two Credits; 9th, 10th, 11th, and 12th Grades, Pre‑requisites and/or Requirements: Participation in middle school and/or high school band. Band camp is also required. Requires out of school practices.

Students are expected to participate fully in marching and concert bands. (Includes both semesters).

**3525 DANCE -** Single Block; One Term (can only take one semester per year); One Credit; 9th, 10th, 11th, and 12th Grades, Pre-

requisites and/or Requirements: None

Dance is a course that seeks to give students in grades 9-12 experience in the study and performance of a diverse repertoire of movement. Three levels of instruction are included in the following framework. This plan allows for a total of four years of dance classes. The courses will include instruction in proper dance technique, performance skills, and the cultural and historical context of dance history. These courses will develop critical thinking. Creativity, and perceptual skills, and will reinforce academic studies. Students will develop skills in leadership and teamwork, a heightened sensitivity to the arts, and skills in maintaining an overall healthy living.

1. **THEATER ARTS** – Single Block; One Term (can only take one semester per year); One Credit; 9th, 10th, 11th, and 12th Grades, Pre-requisites and/or Requirements: None

This participatory course helps students develop their self-confidence and stage presence while overcoming stage fright by giving them multiple opportunities to speak and perform before their peers. Through speech, storytelling, debate, reader’s theater, and ensemble work students learn the various aspects of preparation and performance of play production, including set design and construction, acting, directing, house and box office management, props, costumes, lighting, and sound. Articulation, pronunciation, and vocalization also are critical components of this course.

**NOTE: *In exceptional circumstances, schools may waive the fine art requirement for students who are not planning to attend the university to expand and enhance their elective focus*. Students must meet with their counselor to get a waiver that must be signed by student and parent.**

**DUAL CREDIT OPTIONS *on ACHS campus***

Earn High School and College Credit.

**Class offered DURING school** on Anderson County High School’s Campus

**3005D DUAL ENROLLMENT ENGLISH** – Single Block; One term; One high school English credit plus six hours of college credit (English Composition I and English Composition II); Pre-requisites and/or Requirements: Student must have (a) earned a 3.0 grade point average, (b) MUST have at least a 19 English, Reading, and Composite score on PLAN or ACT. In addition, student may have pay tuition to Roane State Community College and purchase books through the RSCC bookstore. This college level composition class will be taught on ACHS campus by Anderson County High School Faculty or Roane State Community College faculty. **See info on Dual Enrollment Lottery Grant (p 10) to determine possible fees for this class.**

**Classes offered BEFORE school** on Anderson County High School’s Campus

**3433D\* GENERAL PSYCHOLOGY DUAL ENROLLMENT** – FALL SEMESTER - *Taught, on ACHS campus before School.* One high school Psychology credit plus three hours of college credit (PSY 110); Pre-requisites and/or Requirements: **11th - 12th Grades;** Student must have (a) earned a 3.0 grade point average, (b) taken the ACT during his or her Junior year and earned a minimum score of 19 in English and Reading, with a composite score of **19** or greater, and (c) completed an application in the spring. In addition, student must purchase books through the RSCC bookstore.

A survey course dealing with the scientific analysis of human behavior and mental process. This college level course will be taught on ACHS campus by Roane State Community College Faculty before school , two - three days a week.

**3432D SOCIOLOGY DUAL ENROLLMENT** – **OFFERED FALL SEMESTER 2014**, *Taught on campus 2-*

*3 days a week, on ACHS campus before school.* One high school Sociology credit plus three hours of college

credit (SOC 201); Pre-requisites and/or Requirements:

**11th - 12th Grades;** Student must have (a) earned a 3.0 grade point average, (b) MUST have at least a 19 English, Reading, and Composite score on PLAN or ACT **Note:  see info on Dual Enrollment Lottery Grant (p. 10) to determine possible fees for this class.**

This course focuses on the analysis of human social interaction, patterned social relationships, and social change. Emphasis is placed on the theoretical perspectives and principles of explanation used by sociologists, as well as the basic concepts such as culture, socialization, social organization, social deviance, and social stratification.

**3015D SPEECH DUAL ENROLLMENT** – SPRING SEMESTER, *Taught on campus 2-3 days a week, on ACHS campus before school.* One high school Speech credit plus three hours of college credit (SPCH 201); Pre-requisites and/or Requirements: **11th- 12th Grades;** Student must have (a) earned a 3.0 grade point average, (b) MUST have at least a 19 English, Reading, and Composite score on PLAN or ACT **Note:  see info on Dual Enrollment Lottery Grant (p. 10) to determine possible fees for this class.**

This course is designed to introduce the student to the skills of interpersonal communication. Emphasis is placed upon the fundamental principles and techniques of public speaking, and the oral and physical aspects of delivery. Emphasis is also placed upon discussion, listening skills, thoughtful examination of diverse ideas, respect for everyone’s right to a point of view and the tenets of free speech.

**3517D MUSIC APPRECIATION DUAL ENROLLMENT –** FALL SEMESTER*Taught on campus 2-3 days a week, on ACHS*

*campus before school.* One high school fine art credit plus three hours of college credit (MUS 1030); Pre-requisites and/or Requirements: **11th - 12th Grades;** Student must have (a) earned a 3.0 grade point average, (b) MUST have at least a 19 English, Reading, and Composite score on PLAN or ACT **Note:  see info on Dual Enrollment Lottery Grant (p. 10) to determine possible fees for this class.**

Open to all students who desire a better understanding of music. In this one-semester course, traditional art music will be explored through class lecture as well as weekly listening assignments. Available in lecture, video, and web format.

**3136D STATISTICS DUAL ENROLLMENT** – SPRING SEMESTER Single Block; One Term; *Taught on campus 2-3 days a week, on ACHS campus before school.* One high school upper level math credit plus three hours of college credit; Pre-requisites and/or Requirements: A or B in Algebra I, Geometry  & Algebra II.**11th - 12th Grades;** Student must have (a) earned a 3.0 grade point average, (b) MUST have at least a 19 English, Reading, and Composite score on PLAN or ACT **Note:  see info on Dual Enrollment Lottery Grant (p. 10) to determine possible fees for this class.**

Topics include elementary probability theory, concepts of descriptive statistics, discrete and continuous distributions, hypothesis testing, confidence intervals, sample sizes, correlation, regression. The course introduces the students to applications in engineering, business, economics, medicine, education, the sciences, and other related fields. The use of technology (computers or graphing calculators) will be required in certain applications. This course is designed to explore the basic elements of geometry, formal proofs, and coordinate geometry.  Students learn about the measurement and properties of figures: area, volume, congruency, similarities, and spatial relations.

**ENGLISH**

*4 English credits required for graduation.*

**NOTE:** All English courses require summer reading assignments. Please consult English teacher or the Guidance website:

<http://www.achs.acs.ac/?PageName='Guidance>'

**NOTE:** High school is no longer the final education degree. All of our students will be prepared to go to a four-year university, a two-year community college ending in an associate’s degree or transferring to a four-year university, a technical school, or on-the-job training. All students are considered to be post-high-school bound.

**3001 FRESHMAN ACADEMY ENGLISH** - Single Block; Two Terms; One Credit Academy Elective English 1st Semester; One Credit English I 2nd Semester; Pre-requisites and/or Requirements: None.

This class is a genre-based exploration of world literature that develops vocabulary from the literary selections, while improving grammar and punctuation. A library orientation is required. This class allows students to improve their transition from 8th to 9th grade. Paragraph writing, including sequential composition skills, is emphasized. Oral communication experiences also are provided. There is a Freshman Academy English Honors section that students can be enrolled into in the Spring Semester per Fall Teacher recommendation. Summer reading is required. **Students must take** **a state mandated End of Course exam that will count 25% of their 2nd 9-week ENGLISH I grade (second Semester)**.

**3001H FRESHMAN STUDIES - ENGLISH (HONORS) -** Single Block; Two Terms; One Credit;

Pre-requisite or Requirements: Teacher recommendation AND meet reading and English benchmark (score of 15) on EXPLORE or have a combined reading and English score of 30 or higher.

Students will intensively study English Literature and Writing by focusing on the great works, including the Odyssey, Romeo and Juliet, Tale of Two Cities, Lord of the Flies, and others. Students will complete essays, a research paper, and projects. Summer reading is required. Students should expect large amounts of out of class reading. **Students must take** **a state mandated End of Course exam that will count 25% of their 2nd 9-week grade.** THIS COURSE WILL BE PAIRED WITH PERSONAL FINANCE ON A YEAR LONG ALTERNATING SCHEDULE

**3002** **ENGLISH II** – Single Block; One Term; One Credit; Pre-requisites and/or Requirements: Freshman English; **Students must take** **a state mandated End of Course exam that will count 25% of their 2nd 9-week grade**.

The study of world literature is continued in this course. Particular emphasis is placed on the elements of fiction. Comprehensive vocabulary study is accomplished through use of workbooks and literature selections. Writing assignments include persuasive and narrative essays, introduction to literary analysis. Students will look at the influence of media on culture and how it influences decisions. Oral presentations and summer reading are required.

**3002H ENGLISH II HONORS –** Single Block; One Term; One Credit; Pre-requisites and/or Requirements: Freshman Combined Studies English or Freshman Academy English Honors with a Grade of B or higher (or teacher recommendation). **Students must take** **a state mandated End of Course exam that will count 25% of their 2nd 9-week grade**.

An expanded view of world literature is combined with intense writing development to form the foundation of this course. Emphasis is placed on the elements of fiction and the study of novels. Rigorous writing assignments include essays, introductory literary analysis, and narrative writing. Students are often expected to purchase or procure their own copies of the novels. Oral presentations, outside-of-class group work, and summer reading are required. Note: Mature themes are possible.

**3003 ENGLISH III** -Single Block; One Term; One Credit; Pre-requisites and/or Requirements: Sophomore English.  **IMPORTANT TO NOTE: Junior Writing Assessment given during Feb. of Junior year.**

American Literature is studied in this course. A continued emphasis is placed on the study of novels and historical documents. Students will be actively preparing for the persuasive writing exam given in the spring of each school year. Students will trace the American literary canon from its founding to present day, and evaluate its impact on modern America. Summer reading is required. **Students must take** **a state mandated End of Course exam that will count 25% of their 2nd 9-week.**

**3003H ENGLISH III HONORS** – Single Block; One Term; One Credit; Pre-requisites and/or Requirements: Sophomore Literature & Composition Honors with a Grade of B or higher (or teacher recommendation). **IMPORTANT TO NOTE: Junior Writing Assessment given during Feb. of Junior year.**

American literary classics and an intense study of writing are the purview of this course. A greater emphasis is placed on the study of novels and the development of literary analysis skills. Compositions are required of all students, with grammar taught prescriptively. Student-driven research projects, including footnote, graphics, and work cited, will drive the writing instruction. Students are expected to purchase or procure their own copies of the novels. Oral presentations, outside-of-class group work, and summer reading are required. Note: Mature themes are possible. **Students must take** **a state mandated End of Course exam that will count 25% of their 2nd 9-week grade**.

**3013A JUNIOR STUDIES AP ENGLISH** – Single Block; Two Terms (alternating days); One Credit; Pre-requisites and/or Requirements: Sophomore Literature & Composition H with a grade of B or higher (or teacher recommendation). **IMPORTANT TO NOTE: Junior Writing Assessment given during Feb. of Junior year.**

This challenging course is designed to prepare students for the AP exam in English Language and Composition. Essential components include critical thinking, extensive writing, vocabulary assignments, and a research project. Class participants must possess a willingness to read the classics of American literature and write analytically.. Summer reading is required. Note: Mature themes are possible. MUST BE TAKEN WITH JUNIOR STUDIES AP US HISTORY

**3005 ENGLISH IV**– Single Block; One Term; One Credit; 12th Grade; Pre-requisites and/or R Requirements: English IV

This course focuses on British literature and the classics of world literature. Analytical writing assignments and literary analysis form the backbone of the writing program. Critical thinking skills are exercised and continued development of writing skills is required. Summer reading is essential. Note: Mature themes are possible.

**3005H ENGLISH IV HONORS** – Single Block; One Term; One Credit; Pre-requisites and/or Requirements: JR. Lit & Comp Honors with a grade of B or higher (or teacher recommendation).

This course focuses on the canon of British literature. Emphasis is given to a comprehensive study of grammar through writing. Analytical writing assignments and literary analysis form the backbone of the writing program. Critical thinking skills are exercised and a research paper is required. Students are expected to purchase or procure their own copies of the novels. Oral presentations, outside-of-class group work, and summer reading are required. Note: Mature themes are possible.

**3005A SENIOR ADVANCED PLACEMENT** – Single Block; One Term; One Credit; Pre-requisites and/or Requirements: JR. Lit & Comp Advanced Placement with a grade of B or higher.

English and world literature are studied extensively in this course. Students are expected to write several papers requiring library research. Skills in footnoting and developing a works cited are stressed. All students are expected to prepare for and take the AP Literature and Composition exam in the spring. In order to receive AP credit on your transcript, a student must take the AP exam. Otherwise, student will receive Senior Honors English credit. (Students may receive college credit by successfully completing this test.) Summer reading is essential. Note: Mature themes are possible.

**3005D DUAL ENROLLMENT ENGLISH** – Single Block; one term; One high school English credit plus six hours of college credit (English Composition I and English Composition II); Pre-requisites and/or Requirements: Student must have (a) earned a 3.0 grade point average, (b) taken the ACT during his or her Junior year and earned a minimum score of 19 in English, Reading, with a composite score of **19** or greater, and (c) completed an application in the spring. In addition, student may have to pay tuition to Roane State Community College and purchase books through the RSCC bookstore. This college level composition class will be taught on ACHS campus by Anderson County High School Faculty or Roane State Community College faculty. **See** **info on Dual Enrollment Lottery Grant (p. 10) to determine possible fees for this class.**

**ENGLISH ELECTIVES**

*English Electives will not meet Graduation requirements for English.*

**3012 CREATIVE WRITING –** Single Block; One Term; One Credit; ;9th (depending on space and must be recommended for Freshman Studies), 10th, 11th and 12th Grades; Pre-requisites and/or Requirements: None

The student’s creative expression is developed through personal narrative, expository writing, poetry, and short stories.

**3099M MYTHOLOGY** – Single Block; One Term; One Credit; ;9th (depending on space and must be recommended for Freshman Studies), 10th, 11th, and 12th Grades; Pre-requisites and/or Requirements: None

Students explore myths through comparative study with world cultures. Students develop an appreciation of mythology and its association with astronomy, architecture, and the arts. Note: Mature themes are possible.

**3099N NOVELS/THE ARTS**  – Single Block; One Term; One Credit; 9th  (must be recommended for Freshman Studies), 10th, 11th and 12th Grades; Pre-Requisites and/or Requirements**:** None

1st nine weeks Novels - This course explores contemporary literature including the types of fiction, major authors etc. Note: Mature themes are possible. 2nd Nine Weeks Humanities- Cultural literacy is enhanced through the study of world literature, art, and music. School field trips to the opera, ballet, plays, the symphony, and local art galleries are offered.

**3008A JOURNALISM ANNUAL** – Single Block, Fall Term; One Semester; One Credit; 10th, 11th, and 12th Grades; Pre-requisites and/or Requirements: Application must be submitted to journalism teacher during spring registration.

This course focuses on the elements required to publish a successful yearbook. Emphasis is placed on writing skills, layouts, editorials, feature writing, design, photography, and advertising.

**3008P JOURNALISM PUBLICATIONS** – Single Block, Spring Term; One Semester; One Credit; 10th, 11th, and 12th Grades; Pre‑requisites and/or Requirements: Application must be submitted to journalism teacher during spring registration.

This course offers an examination of the various kinds of journalistic writing, photography, layout, and production techniques. Students apply this knowledge in the production and publishing of the school newspaper and literary magazine.

**3452 BIBLE AS HISTORY -** Single Block, Spring Term; One Semester; One Credit; 10th, 11th,

and 12th Grades; Pre‑requisites and/or Requirements: None

The Bible is famous for its religious and cultural significance, but it also contains great literature that has had a huge influence over later writers and readers. This course examines the narratives (stories) of the Bible (Old and New Testament) from a literary perspective. It addresses the distinctive form and ideology of biblical stories, as well as the features they have in common with other ancient Near Eastern literatures. It raises the problem of conflicting interpretations and the degree to which literary methods can settle such disputes. And it explores the elusive boundaries between history, fiction and religion.

NOTE: This course consists of class discussions, lectures, student projects, and, most of all, readings. This course is a ***reading*** course, and students’ completion of all reading assignments is essential for their success. Assignments, discussions, lectures and tests all presuppose that students have read carefully and on schedule the assigned readings.

**FILM CRITICISM** - Single Block, Spring Term; One Semester; One Credit; 9th (must be enrolled in Freshman Studies) 10th, 11th, and 12th Grades; Pre‑requisites and/or Requirements: None

The purpose of this course is to introduce students to basic film criticism. Tracing the history of film, students will compare genres, conventions, and technology across time and cultures. Students will learn to decipher film as a literary and sociological medium. Students will also analyze and write comprehensive critiques.

**FOREIGN LANGUAGE**

*2 consecutive foreign languages are required for graduation.* ***NOTE:*** *In exceptional circumstances, schools may waive the foreign language requirement for students who are not planning to attend the university to expand and enhance their elective focus*.*Students must meet with their counselor to get a waiver that must be signed by student and parent.*

**3021 SPANISH I** – Single Block; One Term; One Credit; 9th (must be recommended for Freshman Studies), 10th, 11th, and 12th grades; Pre-requisites and/or Requirements: None

This is an introductory Spanish language course. Students will focus on grammar, vocabulary, and basic structures with an emphasis on reading, writing, listening, and speaking skills in Spanish. Students will also study Hispanic culture, geography, and history.

**3022 SPANISH II** – Single Block; One Term; One Credit; 9th, 10th, 11th, and 12th grades; Pre-requisites and/or Requirements: Spanish I **(Grade C or higher. MUST have teacher recommendation with a grade of D.)**

This course reinforces and continues listening, reading, writing, and speaking skills in Spanish. A more in-depth emphasis is placed on components of history, geography, and culture while students begin mastery of vocabulary and more complex verb tenses.

**3023 SPANISH III HONORS** – Single Block; One Term; One Credit; 10th, 11th, and 12th grades; Pre-requisites and/or requirements: Spanish II (Grade C or higher AND teacher recommendation.)

This course is designed for students who plan to continue their foreign language education, as it prepares students for a college placement exam. In the third year, a strong emphasis is placed on fluency of the language. Students are expected to master verb tenses, study and develop an understanding of Hispanic culture, and study different selections of authentic Hispanic literature. This course will be conducted primarily in Spanish.

**3024 SPANISH IV HONORS** – Single Block; One Term; One Credit; 11th and 12th grades; Pre-requisites and/or Requirements: Spanish III Honors (Grade C or higher AND teacher recommendation.)

This course is designed to enhance to student’s communicative skills in Spanish. It requires a student’s confidence in reading, writing, listening to, and speaking in Spanish. Students will continue studying history and authentic pieces of literature and communicating with native Spanish speakers while reinforcing their knowledge of the language. This course will be conducted in Spanish.

1. **FRENCH I** – Single Block; One Term; One Credit; **9t**h (depending on space and must be recommended for Freshman Studies), 10th, 11th, and 12th Grades; Pre-requisites and/or Requirements: None

Students are immersed into French language, culture, and history though virtual visits, songs, poems, children’s literature, and conversations. Basic vocabulary and syntax will be taught with a goal of communicating and understanding novice level spoken and written French. Students will learn about the relationship of the French language for success in business and global societies and how it affects their lives. By working in conjunction with English, Science, History, Geography, Art and other disciplines, students will reinforce their knowledge of these disciplines along with French. Particular emphasis will be placed on improving ACT/SAT scores through language syntax and vocabulary.

**3042 FRENCH II** – Single Block; One Term; One Credit**; 10th, 11th, and 12th Grades**; Pre-requisite and/or Requirements: French I (Grade of C or higher)

Students will continue to expand their knowledge of the French language and culture while diving deeper into social and historical contexts. An emphasis on contemporary language through songs, pod casts, and literature will help students to improve their abilities to communicate in both written and spoken forms of French. Students will be challenged to improve language skills in preparation for college placement exams. Particular emphasis will be placed on improving ACT/SAT scores through language syntax and vocabulary.

**3043 FRENCH III HONORS** – Single Block; One Term; One Credit**; 11th and 12th Grades**; Pre-requisites and/or Requirements: French II (Grade of C or higher)

Students will expand their knowledge and proficiency of French language structure and fluency while being immersed in the language. The nuances of the French language will be explored through both historical information and contemporary venues such as French television programs, movies, and songs. Students will embrace literature while reading short-stories and short novels in French.

**3044 FRENCH IV HONORS**– Single Block; One Term; One Credit; **11th and 12th Grades**; Pre-requisites and/or Requirements: French III (Grade of C or higher)

This course, a continuation of French III, emphasizes comprehending written and oral French, understanding French culture, and increasing student knowledge of French and world history. The course also stresses students speaking French in class, as well as outside of class, as much as possible.

**HEALTH AND PHYSICAL EDUCATION**

*Lifetime Wellness is a graduation requirement*

**3303 LIFETIME WELLNESS –** Single Block; One Term; One Credit; 9th (if enrolled in Freshman Studies), 10th Grade; Pre‑requisites and/or Requirements: None

This required course integrates personal health and physical fitness through classroom and PE activities.

**3302T TEAM SPORTS –** Single Block; One Term; One Credit; 10th, 11th, and 12th Grades; Pre-requisites and/or Requirements: Must be a member of a varsity team with a coach available for class. Students may not take more than one health/PE class during any school semester**.**

**3302W PHYSICAL EDUCATION II** – Single Block; One Term; One Credit; 10th, 11th, and 12th Grades; Pre‑requisites and/or Requirements: Student may not take more than one Health/PE class during any semester.

This course is designed for any student who would like to begin or continue an advanced weightlifting or cardiovascular program.

**MATHEMATICS**

*4 credits in math required for graduation. Students must take a math course every year. All students will be required to take Algebra I, Geometry, Algebra II, and an Upper Level math.*

**3123 ALGEBRA A** – Single Block; Two Terms: One **Foundations II**Credit Spring Term; 9th Grade. Pre-requisites and/or Requirements: None

This course uses a hands-on approach to Algebra. It is designed for students planning on a career that requires Vocational/Tech school or on-the-job-training. Students are introduced to real world applications of algebra. Topics studied include equations, inequalities and basic geometry. Students will continue with Algebra B in 10th grade before taking Geometry.

1. **ACADEMY ALGEBRA I** – Single Block; Two Terms; One ***ELECTIVE*** Math Credit Fall Term, One ***ALGEBRA*** Credit Spring Term; Pre-requisites and/or Requirements: Strong background of basic math skills. **Students must take an EOC exam at the end of the Algebra course. EOC counts 25% of the 2nd 9-week grade.**

This course studies the basic algebraic concepts and skills used in expressions, equations, graphs, and problem‑solving. It focuses on the real number system. **Students have the opportunity to earn honors credit depending upon their success in the course. Students also have the potential to earn a Geometry credit in the Spring semester if they are able to successfully move through the material in a single semester. This will be decided at the conclusion of the Fall semester based on student performance and teacher recommendation.**

**3102 ALGEBRA B** – Single Block; One Term; **10th grade,** One credit; Pre-requisites and/or Requirements: 9th grade Algebra A or Academy. **Students must take EOC exam at the end of the Algebra course. EOC counts 25% of 2nd 9-week grade.**

This course studies the basic algebraic concepts and skills used in expressions, equations, graphs, and problem‑solving. It focuses on the real number system.

**3108 GEOMETRY** – Single Block; One Term; One Credit; 9th, 10th, 11th, and 12th Grades; Pre-requisites and/or Requirements: Algebra I credit

This course is designed to explore the basic elements of geometry, and coordinate geometry. Students learn about the measurement and properties of figures: area, volume, congruency, similarities, and spatial relations. This course is currently being considered for an End of Course Exam.

**3108H GEOMETRY HONORS** – Single Block; One Term; One Credit; **9th** and 10th Grades; Pre-requisites and/or Requirements: Algebra I H (Grade – A or B+ or teacher recommendation)

In this college preparatory course, students develop inductive and deductive reasoning skills as they learn the basics of geometry. These basics center on the measurement and properties of figures - their area and volume, congruence and similarities, and position in space. The application of algebra to geometry is emphasized, as is the practical application of the geometric principles. Hands-on projects are required. This course prepares the students for Algebra II Honors. This course is currently being considered for an End of Course Exam.

1. **ALGEBRA II** – Single Block; One Term; One Credit; 10th and 11th Grades; Pre-requisites and/or Requirements: Algebra I (C or higher) or Geometry (B or higher)

In this course, students gain a deeper understanding of linear equations, inequalities, and quadratic functions. Students begin algebraic operations with matrices, exponential and logarithmic functions, complex numbers, and quadratic functions. **Students must take EOC exam at the end of the Algebra II course. EOC counts 25% of 2nd 9-week grade.**

**3103CP ALGEBRA II College Prep** – Single Block; One Term; One Credit; 11th and 12th Grades; Pre-requisites and/or Requirements: Algebra I H, Geometry H (Grade – B or C+ or teacher recommendation)

In this college preparatory course, students expand their knowledge of linear equations and basic algebraic operations while developing an understanding of matrices, quadratics, functions, logarithmic and exponential equations, and complex numbers. Emphasis is placed on graphing functions, the use of the graphing calculator, and interpreting graphs. Problem solving and real-life connections are stressed. Projects are required. This course prepares students for Pre‑Calculus or Advanced Algebra/Trigonometry. **Students must take EOC exam at the end of the Algebra II course. EOC counts 25% of 2nd 9-week grade.**

**3103H ALGEBRA II HONORS** – Single Block; One Term; One Credit; 10th and 11th Grades; Pre-requisites and/or Requirements: Algebra I H, Geometry H (Grade – A or B+ or teacher recommendation)

In this college preparatory course, students expand their knowledge of linear equations and basic algebraic operations while developing an understanding of matrices, quadratics, functions, logarithmic and exponential equations, and complex numbers. Emphasis is placed on graphing functions, the use of the graphing calculator, and interpreting graphs. Problem solving and real-life connections are stressed. Projects are required. This course prepares students for Pre‑Calculus or Advanced Algebra/Trigonometry. **Students must take EOC exam at the end of the Algebra II course. EOC counts 25% of 2nd 9-week grade.**

**3134 BRIDGE MATH -** Single Block; One Term; One Credit; **12th Grade;** Pre-requisites and/or Requirements: Algebra II and Geometry (Regular) OR teacher recommendation. *This class counts for higher level math for graduation.*

This course is designed for students who need to strengthen their Algebra 2 and Geometry skills. This course is for students who did not score a 19 on the math portion of the ACT This course prepares students for college algebra.

**3124 ADVANCED ALGEBRA/TRIGONOMETRY** – Single Block; One Term; One Credit; 11th and 12th Grades; Pre-requisites and/or Requirements: Algebra II H or CP and Geometry (A or B) or teacher recommendation

This math course reinforces basic algebraic skills and the study of trigonometry and prepares students for Pre-Calculus. Attention is given to real world applications.

**3124A ADVANCED ALGEBRA** – Single Block; One Term; One Credit; 11th and 12th Grades; Pre-requisites and/or Requirements: Algebra II Regular or teacher recommendation

This math course reinforces basic algebraic skills.

**3136 STATISTICS** – Single Block; One Term; One Credit**; 11th, and 12th Grades**; Pre-requisites and/or Requirements: An A or B in Algebra I, Geometry & Algebra II. This class counts for higher level math for graduation.

Topics include elementary probability theory, concepts of descriptive statistics, discrete and continuous distributions, hypothesis testing, confidence intervals, sample sizes, correlation, regression. The course introduces the students to applications in engineering, business, economics, medicine, education, the sciences, and other related fields. The use of technology (computers or graphing calculators) will be required in certain applications. This course is designed to prepare non-math and science majors for college statistics courses.

**3136D STATISTICS DUAL ENROLLMENT** – SPRING SEMESTER Single Block; One Term; *Taught on campus 2-3 days a week, on ACHS campus before school.* One high school upper level math credit plus three hours of college credit; Pre-requisites and/or Requirements: A or B in Algebra I, Geometry  & Algebra II.**11th - 12th Grades;** Student must have (a) earned a 3.0 grade point average, (b) MUST have at least a 19 Math on ACT **Note:  see info on Dual Enrollment Lottery Grant (p. 10) to determine possible fees for this class.**

Topics include elementary probability theory, concepts of descriptive statistics, discrete and continuous distributions, hypothesis testing, confidence intervals, sample sizes, correlation, regression. The course introduces the students to applications in engineering, business, economics, medicine, education, the sciences, and other related fields. The use of technology (computers or graphing calculators) will be required in certain applications. This course is designed to explore the basic elements of geometry, formal proofs, and coordinate geometry.  Students learn about the measurement and properties of figures: area, volume, congruency, similarities, and spatial relations.

**3126 PRE-CALCULUS H** – Single Block; One Term; One Credit; **11th and 12th Grades**; Pre-requisites and/or Requirements: Geometry Honors and Algebra II Honors (Grade – A or B+) or Advanced Algebra/Trig (A or B+) [or teacher recommendation]. This class counts for higher level math for graduation.

The purpose of this course is to give students a more detailed knowledge of polynomial functions, exponential and logarithmic functions, trigonometric functions, systems of equations and inequalities, sequences, and probability and statistics. Students study analytical geometry and the concepts of limits and continuity. The use of graphing calculators use is stressed. This course prepares students for calculus.

**3113 CALCULUS H–** Single Block; One Term; One Credit; **12th Grade**; Pre-requisites and/or Requirements: Pre-Calculus (Grade – A or B+). This class counts for higher level math for graduation.

In this college preparatory course, students review the pre-calculus concepts of limits and continuity. Students develop the calculus concepts of differentiation and integration of a single variable. The application of calculus concepts is stressed through problems using related rates, rates of change, volume, and business and scientific principles. A three-pronged approach to problem solving is emphasized using numerical, graphical and analytic analysis. Use of the graphing calculator is stressed. This course prepares students for college calculus.

**3127 CALCULUS AP** – Single Block; One Term; One Credit; **12th Grade**; Pre-requisites and/or Requirements: Calculus H (Grade A or B) . This class counts for higher level math for graduation.

AP Calculus follows a semester of Calculus Honors and builds on skills and concepts learned there. This course is designed to prepare the student to take the Advanced Placement Examination. The topics covered on the AP Exam are stressed in class. Use of the graphing calculator is emphasized. Because the material covered is equivalent to college freshman level Calculus, the students are expected to spend more time outside of class studying and doing homework than in previous math classes. AP Calculus students are expected to sit for the AP Calculus Examination given in May.

**MISCELLANEOUS COURSE OFFERINGS FOR ELECTIVE CREDIT**

*Elective credit*

**9350B PEER BUDDY –** Single Block; One Term; One Credit; **11th and 12th Grades**; Pre-requisites and/or Requirements: Application & teacher recommendation, teacher interview, and training required.

This course is designed to teach high school students sufficient knowledge and skills to enable them to serve as peer tutors for students with disabilities who are integrated into the school. Students will interact with and assist disabled peers in the classroom setting and help with Special Olympics. Students may also assist peers with off campus community work.

**9350B BEST BUDDY –** Single Block, One Term, One Credit, **11th and 12th Grades,** Pre-requisites and/or Requirements: Application & teacher recommendation, teacher interview, and training required.

The Best buddy program has been designed to increase access to general education curricula and inclusion in school activities by students with disabilities. Best Buddies will provide social and academic support to their classmates with disabilities by (a) helping them acquire skills needed to succeed in the general education environment and (b) adapting the environment to be more welcoming and accommodating to individual differences and needs. The best buddy model addresses challenges to inclusion often present in high schools, such as 90-minute class scheduling and departmentalized classes and faculty, by introducing peers as support to students with disabilities across classes, activities, and environments. This program primarily serves the ACHS autism classroom.

**9395 SERVICE LEARNING** – Single Block; One Term; One Credit; **11th and 12th Grades**; Pre-requisites and/or Requirements: Application, recommendation, teacher interview, and training required.

This course is designed to give students experience working to serve our school community. Students will demonstrate competent communications skills, working cooperatively, demonstrating friendliness, adaptability, and politeness in a professional setting. Students may be placed in school offices, school library or academic department working closely with faculty of our school community.

**NAVAL SCIENCE**

*Elective credit– 2 credits in NJROTC can take the place of Lifetime Wellness requirements, while 3 credits satisfy Lifetime Wellness & ½ credit PE, and 4 credits will satisfy Lifetime Wellness, PE, Program of Study and Personal Finance requirements*

Goals and Objectives of the NJROTC Program: To provide an opportunity for secondary school students to learn about the basic elements and requirements for national security and their personal obligations as American citizens. The NJROTC basic objectives are: (a) Promote patriotism. (b) Develop informed and responsible citizens. (c) Promote habits or orderliness and precision, and develop respect for constituted authority. (d) Develop a high degree of personal honor, self-reliance, individual discipline and leadership. (e) Promote an understanding of the basic elements and requirements of national security. (f) Develop respect for and an understanding of the need for constituted authority in a democratic society.

**Students who sign up for this course will be expected to meet Navy Grooming Standard Including:**

* **Hair should be neat, clean, trimmed (above the ears) and present a well-groomed appearance.**
* **All piercings should be removed during NJROTC class time and activities.**

**3331 NAVAL SCIENCE** **1 –** Single Block; One Term; One Credit; 9th, 10th, and 11th Grades; Pre-requisites and/or Requirements: Navy Grooming & Conduct Standards; No drugs or criminal involvement**;** Cadets must wear the military uniform once a week on required days.

Naval Science 1 introduces the historical, political and economic impact of the Navy on the American Nation, and outlines the principles of citizenship, leadership and the basics of the historical documents and organization of our national government and its defense structure.

**3332 NAVAL SCIENCE 2 -** Single Block; One Term; One Credit (1 NJROTC & 1 elective); 9th, 10th, and 11th Grades; Pre-requisites and/or Requirements: No drugs or criminal involvement, Naval Science 1, Navy Grooming and Conduct Standards.Cadets must wear the military uniform once a week on required days.

Naval Science 2 emphasizes the historical, political and economic impact of the Navy on the American Nation and the basics of science relevant to the Navy and intends to help Cadets: (a) Establish commendable citizenship standards, high leadership goals, good study habits and a sense of moral responsibility. (b)Learn more about the history, organization and profession of the Navy. (c) Gain a deeper awareness of the vital importance of the world ocean to the continued well-being of the United States and her citizens – economically, politically, militarily and environmentally. (d) Firmly establish a sound appreciation for the various sciences (e) introduce the importance of astronomy, communications technology, meteorology, electronics and logistics to the Navy and naval science. May be taken for 2 semesters.

1. **NAVAL SCIENCE 3 –** Single Block; One Term; One Credit; 10th, and 11th Grades; Pre-requisites and/or Requirements: No drugs or criminal involvement, Naval Science 1 and 2, Navy Grooming and Conduct Standards. **Cadets must wear the military uniform once a week on required days.**

Naval Science 3 expands understanding of the historical, political and economic impact

of the Navy on the American Nation and intends to help Cadets: (a) Deepen knowledge of and appreciation for the organization and profession of the Navy. (b) Gain an understanding of the basic concepts of military justice, international and maritime law, sea power and national security. (c) Introduce practical naval and maritime skills to students, and demonstrate how these skills can be applied in a variety of leadership situations. May be taken for 2 semesters

**SCIENCE**

*3 credits in science required for graduation. All students will take Biology, Chemistry or Physics, + additional lab science*

**3202 PHYSICAL SCIENCE -** Single Block; One Term; One Credit**; 9th**; Pre-requisites and/or Requirements: None

This course develops students’ ability to ask questions that can be answered by performing scientific analysis. Students learn to be accurate and precise with their data while using proper SI units to represent their data. In this course the exploration of matter and energy facilitate a basic foundation for further studies in chemistry and physics. Students investigate forces, motion, matter and energy through inquiry based problem solving and critical thinking skills.

**3210 BIOLOGY I -** Single Block; One Term; One Credit**; 10th or 11th**Grade; Pre-requisites and/or Requirements: Physical Science. **Students must take an EOC exam at the end of the course. EOC counts 25% of 2nd 9-week grade.**

This course follows the five standards set by the Tennessee State Department of Education. The standards include studies of the cell, microscope, interdependence of living organisms, photosynthesis, cellular respiration, genetics, and biological diversity of organisms. The laboratory section of the course includes, but is not limited to, a group of hands-on, interactive and inquiry activities. This course is intended to prepare students to take higher level science courses

**3210H BIOLOGY I HONORS** – Single Block; One Term; One Credit**; 9th** Grade; Pre-requisites and/or Requirements: 9th graders need middle school science teacher’s rec and a min of 17 on 2 of the following EXPLORE subject areas: Science, Reading, Composite. **Students must take an EOC exam at the end of the course that will count 25% of 2nd 9-week grade.**

This course follows the five standards set by the Tennessee State Department of Education. The standards include studies of the cell, microscope, interdependence of living organisms, photosynthesis, cellular respiration, genetics, and biological diversity of organisms. The laboratory section of the course includes, but is not limited to, a group of hands-on, interactive and inquiry activities. This course is intended to prepare students to take higher level science courses.

Being an honors course, students cover subject matter in more depth and with greater emphasis placed on critical thinking skills. The amount, complexity and quality of work expected from honors students is well above that of a regular science course.

**32103 BIOLOGY A and B** – Single Block; Two Terms, One Elective Credit (Fall), One Science Credit

**32104** (Spring), 9th, 10th Grades. Pre-requisites and/or Requirements: None **Students must take an EOC exam at the end of the course that will count 25% of 2nd 9-week grade.**

This course follows the five standards set by the Tennessee State Dept of Education. The standards include studies of the cell, microscope, interdependence of living organisms, photosynthesis, cellular respiration, genetics, and biological diversity of organisms. The laboratory section of the course includes, but is not limited to, a group of hands-on, interactive and inquiry activities. This course is intended to prepare students to take higher level science courses. This course teaches Biology I by applying biological concepts to everyday situations.

**3255 ECOLOGY** – Single Block; One Term; One Credit; **11th, and 12th Grades**; Pre-requisites and/or Requirements: Biology I

Ecology is the study of how living things interact with each other and with their nonliving environment. Environmental science is the study of how humans interact with the environment. This course will focus on both of these aspects as fields of study that draw from many different subjects. Ecology applies the principles of basic sciences such as chemistry, biology, and physics. This course will introduce you to key aspects of both ecology and environmental science and how they apply to you. Subjects covered include:

* Organization of life
* How ecosystems work
* Populations
* Biomes
* Aquatic ecosystems
* The Earth’s resources
* Human Impact on the Earth’s resources

**3255 ECOLOGY CP** – Single block, One term; One credit **11th & 12th grades**; Prerequisites and/or requirements: Bio I & Chem I.

Ecology is the study how living things interact with each other and their non-living environment. This course will focus on factors influencing the survival of individual organisms, the interaction of populations to form stable communities within ecosystems, and the effects of destabilizing influences on established ecosystems. Drawing from real world data and contexts, including the ACHS campus, the Anderson County environment, The great Smoky Mountains National Park, the East Tennessee region, and international groups such as the International Panel on Climate Control (IPCC) and United Nations, you will be challenged to apply your investigative and critical thinking skills to develop conclusions and personal philosophies concerning your personal actions in the present in comparison with the long-term interests of the Earth and international community.

**3221 GENERAL CHEMISTRY I** – Single Block; One Term; One Credit; **10th, 11th, and 12th Grades**; Pre-requisites and/or Requirements: Pass Physical Science and be enrolled in Algebra I

This course explores the properties of substances and the changes that such substances undergo. Major concepts presented in this course include structure and function of the periodic table, atomic structure, chemical and physical properties of matter, energy interactions of matter, and properties of solutions.

**3221 CHEMISTRY I** – Single Block; One Term; One Credit; **10th, 11th, and 12th Grades**; Pre-requisites and/or Requirements: Pass Physical Science and Pass Algebra I (C or better)

This course explores the properties of substances and the changes that such substances undergo. Major concepts presented in this course include structure and function of the periodic table, atomic structure, chemical and physical properties of matter, energy interactions of matter, and properties of solutions.

**3211H CHEMISTRY I HONORS** – Single Block; One Term; One Credit; 9th (EXPLORE score of 17 in Science AND take Geometry H in FALL SEMESTER) 10thGrade; Pre-requisites and/or Requirements: Biology I H, Geometry H (may be taken concurrently). This course is currently being considered for an End of Course Exam.

This course explores the properties of substances and the changes that such substances undergo. Major concepts presented in this course include structure and function of the periodic table, atomic structure, chemical and physical properties of matter, energy interactions of matter, and properties of solutions.

Being an honors course, students cover subject matter in more depth and with greater emphasis placed on critical thinking skills. The amount, complexity and quality of work expected from honors students is well above that of a regular science course.

**3216H BIOLOGY II HONORS –** Single Block; One Semester; One Credit; **11th and 12th Grades**; Pre-requisites and/or Requirements: Biology I (Honors recommended) and Chemistry I (Honors recommended); a score of 19 or better on the science component of the PLAN or ACT; recommendation of most recent science instructor, or Biology II Honors instructor approval.

This course explores cell structures, biochemistry, genetics and evolution. Students are involved in laboratory activities that relate to and enrich the areas of study. The goal of this class is for students to develop a solid background in introductory college biology and acquire the skills necessary for success in college level studies. Being an honors course, students cover subject matter in far greater depth with emphasis placed on the development of critical thinking skills. The amount, complexity and quality of work expected from honors students in level II courses is considerable.

**3217A AP BIOLOGY** – Single Block; Two Semester; Two Credits; Students earn one Biology II Honors credit in the Fall, and one Biology AP credit in the Spring; **11th and 12th Grades**; Pre-requisites and/or Requirements: At least a B in Biology I (Honors recommended) and/or Advanced score on the Bio I EOC and Chemistry I (Honors recommended); OR successful completion of Chemistry AP.

AP Biology is a year long course (2 semesters) designed to give students an experience equivalent to a college-level freshman. Students are expected to assume responsibility for their learning and spend more time doing homework and outside study than they may have in any previous science courses.

AP Biology students are expected to sit for the AP Examination in Biology given in the Spring of each year. The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. The following three general areas are covered with the noted weights:

* Molecules and Cells 25%
* Heredity and Evolution 25%
* Organisms and Populations 50%

**3224H CHEMISTRY II HONORS –** Single Block; One Term; One Credit; **11th and 12th Grades**; Pre-requisites and/or Requirements: Chemistry I H or teacher recommendation, Algebra II (can be taken concurrently).

This course continues an in-depth study and application of chemistry.

Being an honors course, students cover subject matter in far greater depth with emphasis placed on the development of critical thinking skills. The amount, complexity and quality of work expected from honors students in level II honors courses is considerable.

**3225 AP CHEMISTRY –** Single Block; Two Terms; Two Credits; Students earn one Chemistry II Honors credit in the Fall, and one Chemistry AP credit in the Spring; **11th and 12th Grades**; Pre-requisites and/or Requirements: Chemistry I Honors and Algebra II with a B or better.

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. Students in this course will attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course will contribute to the development of the students’ abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic.

**3231H PHYSICS HONORS** – Single Block; One Term; One Credit; **11th and 12th Grades**; Pre-requisites and/or Requirements: Algebra II Honors and Chemistry I Honors

This course strikes a balance between emphasizing the principles and concepts of physics and the solution of problems. Some of the topics studied include the study of mechanics, states of matter, and light and sound. Mathematics, modeling, and graphical representation are extensively used. Much of the information is gained through laboratory experience.

**3251H HUMAN ANATOMY AND PHYSIOLOGY HONORS –** Single Block; One Term; One Credit; Prerequisites and/or requirements: Biology I (Honors recommended) and Chemistry I (Honors recommended); a score of 19 or better on the science component of the PLAN or ACT; recommendation of most recent science instructor or Anatomy and Physiology instructor approval.

Human Anatomy and Physiology is a *laboratory science course* that includes of an in-depth study of the body systems that maintain homeostasis from anatomical, physiological, and histological perspectives. Students explore anatomical and physiological concepts through an inquiry-based approach. Among the topics addressed are Anatomical Orientation, Protection, Support, and Movement, Integration and Regulation, Transportation, Absorption and Excretion, and Reproduction, Growth, and Development**.**

**SOCIAL STUDIES**

*3 Social Studies credits (World History or World Geography; US History, US Govt/Econ.) required for graduation*

**3410 WORLD GEOGRAPHY** – Single Block; One Term; One Credit; **9th** and 10th Grades; Pre-requisites and/or Requirements: None

World geography surveys the earth’s physical features, natural resources, and variety of landforms. Social systems, economic lifestyles, and political divisions of the world’s major regions also are studied. Emphasis is placed on five themes - geographical location, place, human-environment interactions, movement, and regions.

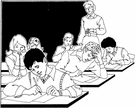
1. **WORLD HISTORY** – Single Block; One Term; One Credit**; 9th** and 10th Grades; Pre-requisites and/or Requirements: None

World history is the study of the beginnings of civilization through the first half of the twentieth century. Emphasis is placed on the development of western civilization, highlighting its cultural, political, and social institutions.

**3405 U.S. HISTORY** – Single Block; One Term; One Credit**; 11th Grade**; Pre-requisites and/or Requirements: None **Students must take and pass EOC exam at the end of the course. EOC counts 25% of 2nd 9-weeks grade.**

U.S. History is a survey course that presents America’s history, beginning in the colonial period and continuing to the present. Social change, the struggle for political and economic opportunity, and problems faced in dealing with foreign countries are examples of topics studied. Lecture, class discussion, and audiovisual materials supplement the text. **An End of Course Exam is required for this course.**

**3440\* U.S. HISTORY ADVANCED PLACEMENT** – Single Block: One Term; One Credit: **11th Grade**; Pre-requisites and/or Requirements: Enrollment in JR. Lit & Comp Honors or JR. Lit & Comp Advanced Placement. **Students must take and pass EOC exam at the end of the course. EOC counts 25% of 2nd 9-weeks grade.** This rapid, fast-paced survey course includes analytical skill development, essay writing, and research. All students are expected to prepare for and take the AP exam in the spring. (Students may receive college credit by successfully completing this test).

[](http://schools-demo.clipart.com/search/close-up?oid=484184&q=students&s=61&a=a&cid=&fic=0&k_mode=all&k_exc=&q_jpeg=1&q_gif=1&q_color=1&q_bw=1&q_eps=1&q_wmf=1&q_psd=1&q_png=1&date=&isadv=1)

**SOCIAL STUDIES ELECTIVES**

This elective would satisfy **ONE** course requirement in the Humanities POS.

**3432 SOCIOLOGY/PSYCHOLOGY** – Single Block; One Term; One Credit; **11th and 12th Grades**; Pre-requisites and/or Requirements: None

Sociology is the study of humans and their activities in groups. Students focus on social structures, cultural and social change, and social problems.

Psychology is the study of topics such as human development, mental processes, behavior, personalities, mental health, and mental disorders. This class is designed to help individuals understand themselves and others.

**3435 CONTEMPORARY ISSUES –** Single Block; One Term; One Credit; Pre-requisites and /or

Requirements: Minimum 19 on ACT or PLAN.

In Contemporary Issues, students study various dynamic issues facing today’s society enabling them to discover their values and responsibilities as a citizen. The course will utilize six social studies standards of essential content knowledge and four process skills are integrated for instructional purposes. Students will utilize different learning methods to research, discuss, debate and formulate opinions on those contemporary issues.

**OTHER GRADUATION REQUIREMENT**

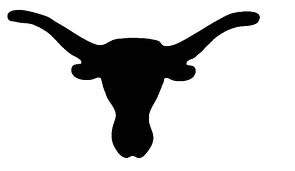
*Students MUST take this course to graduate*

**5038 PERSONAL FINANCE** - Single Block; One 9 week grading period; ½ Credit; this class is combined with ½ credit PE to meet graduation requirements; 10th, 11th,and 12th grades; Pre‑requisites and/or Requirements: None

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

**3302W PHYSICAL EDUCATION II –** Single Block; One 9 week grading period; ½ Credit; this class is combined with ½ credit Personal Finance to meet graduation requirements; 10th, 11th,and 12th grades; Pre‑requisites and/or Requirements: None

This course is designed for any student who would like to begin or continue a weightlifting and conditioning program.

[](http://www.google.com/imgres?q=longhorn&num=10&hl=en&safe=active&tbo=d&biw=1280&bih=907&tbm=isch&tbnid=46GeIO5bw8RRHM:&imgrefurl=http://www.cvyf.org/&docid=ooTenbzz8YswYM&imgurl=http://www.cvyf.org/sitebuildercontent/sitebuilderpictures/BlackLonghornLogo.gif&w=748&h=434&ei=fez-ULm0HIiS9QS-4oGoDw&zoom=1)

**CAREER / TECHNICAL** **Course Offerings**

Technical Courses offer all students the opportunity to:

* Receive job training
* “Try out” possible career choices
* Learn valuable life skills

*AGRICULTURE*

This program is intended to prepare students for a career or further training in the agriculture and natural resources field. Students who are interested in animals, plants, wildlife, forestry, mechanics, and engineering should consider this program. Future veterinarians, pet store workers, zookeepers, greenhouse workers, groomers, horse trainers, florists, plumbers, electricians, wildlife officers, foresters, landscapers, environmental engineers, farmers, sales people, community leaders should consider one of the paths below.

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| **Program of Study for Animal Systems – Pre – Veterinary**  Principles of Agricultural Science**🡺**Small Animal Care**🡺**Horse Science**🡺**Veterinary Science  **Program of Study for Power, Structures, and Technical Systems**  Principles of Agricultural Science**🡺**Ag Mechanics and Maintenance**🡺**Ag Power and Equipment**🡺**Agricultural Engineering  **Program of Study for Environmental and Natural Resources Systems**  Principles of Agricultural Science**🡺**Forestry Management**🡺**Wildlife Management**🡺**Plant and Soil Science  **Program of Study for Plant Systems – Horticultural Production**  Principles of Agricultural Science**🡺**Aquaculture/Hydroponics**🡺**Greenhouse Management**🡺**Plant Bio-Technology |

**5268     HORSE SCIENCE** – Single Block; One Semester; NOTE: O**ne Credit**; **10th, 11th, and 12th Grades**; Pre‑requisites and/or Requirements: None

This course is designed to develop basic understanding of equine handling, health, maintenance, reproduction, selection and management. Horse populations in the state have continued to grow and their economic impact has increased with this growth. This course is designed to help students prepare for the social and economic impact equine science will have in the 21st century. Membership in the National FFA Organization is an integral part of the course. College credit may be earned in this class by taking a dual credit class for some students if they so desire.

**5172     SMALL ANIMAL CARE-**Single Block; One Semester, NOTE: O**ne Credit**; **10th, 11th, and 12th Grades;**  Pre-requisites and/or Requirements: None

This course is designed to give students a working knowledge of the small animal care industry, which includes dogs, cats, birds, reptiles and other pets.  The course provides an understanding of breeds, animal health, nutrition, training, anatomy and physiology, grooming, economic and marketing principles, and related employment skills.  Students will develop a thorough knowledge of small animals, their management, and a business sense relating to small animals.  Membership in the National FFA Organization is an integral part of the course. College credit may be earned in this class by taking a dual credit class for some students if they so desire.

**5174     WILDLIFE MANAGEMENT** -Single Block; One Semester; NOTE: O**ne Credit**; **10th, 11th, and 12th Grades**; Pre-requisites and/or Requirements: None.

This class is designed for students to gain an understanding of wildlife management as it pertains to both ecology and outdoor recreation.  Topics include: habitat restoration, hunting, hunter safety, boating, forestland, animals, farmland animals, fishing and other outdoor recreation, responsibilities, and job acquisition and retention. Membership in the National FFA is an important part of this class. College credit may be earned in this class by taking a dual credit class for some students if they so desire.

**5165     FORESTRY MANAGEMENT –** Single block; One Semester; NOTE: O**ne Credit**;; **10th, 11th, and 12th Grades**. Pre‑requisites and/or Requirements: None

This course is designed to develop student knowledge of forestry technology as it progresses. The student will develop skills in producing, harvesting, marketing, and developing forestry products. Students will also evaluate practices to insure the protection of natural resources found in forest ecosystem. Membership in FFA is an important part of this class. College credit may be earned in this class by taking a dual credit class for some students if they so desire.

**5129     AQUACULTURE/HYDRONPONICS -** Single Block; One Semester; One Credit; **10th, 11th, and 12th Grades**. Pre‑requisites and/or Requirements : None

  This course is an intermediate level horticulture course designed to evaluate the basic techniques used for Hydroponics crop production. These techniques involved the use of soil less media to produce vegetable and fruit products for market. Students will assess the importance of water quality, nutrient uptake and environmental conditions on the growth and production of various crops. The course also stresses leadership development and agribusiness management. Membership in FFA is an important part of this class. College credit may be earned in this class by taking a dual credit class for some students if they so desire.

**5152     AGRICULTURAL POWER and EQUIPMENT**- Single Block; One Semester; One Credit; **10th, 11th, and 12th Grades**; Pre‑requisites and/or Requirements: Students must either have their own insurance or be willing to purchase the school insurance.

This class is designed to help sophomore/junior level students gain an appreciation of the diversity of skills that are necessary in the field of Agricultural Mechanics.  Agricultural Power and Equipment includes basic information and laboratory activities on small engines, tractors and agricultural equipment maintenance, repair and overhaul. The standards address competencies for electrical motors, hydraulic systems and fuel powered engines. Membership in FFA is an important part of this class.

**5154     PRINCIPLES OF AGRICULTURAL SCIENCES** - Single Block; One Semester; One Credit; **9th -10th Grade**.  Pre‑requisites and/or Requirements: None

This class is designed to develop the basic theories and principles involved in animal science, agribusiness, agricultural mechanics, and natural resource management. The standards prepare students to choose among agricultural careers for the 21st century.  Membership in FFA is an important part of this class.

**5167     GREENHOUSE MANAGEMENT** - Single Block; One Semester; One Credit; **10th, 11th, and 12th Grades**; Taught in the FALL and SPRING; Pre‑requisites and/or Requirements: None.

  This class is designed for students with an interest in plant growth and development. Topics covered include: greenhouse crops, greenhouse operations, greenhouse equipment, parasites, diseases, and soil vs. media. Class includes hands-on experience with poinsettia production August through December. During the second semester, January through May students will get hands on experience in spring plant production. Membership in FFA is an important part of this class. College credit may be earned in this class by taking a dual credit class for some students if they so desire.

**5176     VETERINARY SCIENCE** - Single Block; One Semester.; One Credit; 10th - 12th Grades; Pre‑requisites and/or Requirements:  Biology is strongly recommended.

     This class is designed to provide students interested in careers in Animal Science an opportunity to learn more about animal health, anatomy, animal diseases, animal health products, educational requirement for specific animal health related jobs and leadership skills needed for success in careers in the field of animal health. Membership in FFA is an important part of this class. College credit may be earned in this class by taking a dual credit class for some students if they so desire.

## AUTOMOTIVE TECHNOLOGY

**\*For complete Program of Study listings, see p. 37**

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| **Automotive Technology Program of Studies:**  Transportation Core/ MLR I🡺 Maintenance and Light Repair II (MLR II)🡺 Maintenance and Light Repair III  (MLR III)🡺 Maintenance and Light Repair IV (MLR IV)🡺  work based learning / articulate to Tennessee Technology Center |

**5702 TRANSPORTATION CORE (MLR I) –** Single Block; One Semester; One Credit; 9th and 10th Grades priority, 11th if space allows; Pre-requisites and/or Requirements: None.

The Maintenance and Light Repair I course prepares students for entry into Maintenance and Light Repair II. Students explore career opportunities and requirements of a professional service technician. Content emphasizes beginning transportation service skills and workplace success skills. Students study safety, tools, equipment, shop operations, basic engine fundamentals, and basic technician skills. Upon completing all of the Maintenance and Light Repair courses, students may enter automotive service industry as an ASE Certified MLR Technician.

**5710 MAINTENANCE AND LIGHT REPAIR II (MLR II) –** Double block; OneSemester; Two Credits; 10th, 11th, and12th Grades; Pre‑requisites and/or Requirements: Transportation Core (MLR I)

The Maintenance and Light Repair II course prepares students for entry into Maintenance and Light Repair III. Students study automotive general electrical systems, starting and charging systems, batteries, lighting, and electrical accessories. Upon completing all of the Maintenance and Light Repair courses, students may enter automotive service industry as an ASE Certified MLR Technician. Maintenance and Light Repair II course prepares students for entry into Maintenance and Light Repair III. Students study automotive general electrical systems, starting and charging systems, batteries, lighting, and electrical accessories. Upon completing all of the Maintenance and Light Repair courses, students may enter automotive service industry as an ASE Certified MLR Technician.

**5712 MAINTENANCE AND LIGHT REPAIR III (MLR III)** - Double Block; One Semester; Two Credits**; 11th and 12th Grades**; Pre-requisites and/or Requirements: MLR I & II

The *Maintenance and Light Repair III* course prepares students for entry into *Maintenance and Light Repair* IV. Students study suspension and steering systems and brake systems. Students will service suspension and steering systems and brake systems. Upon completing all of the *Maintenance and Light Repair* courses, students may enter automotive service industry as an ASE Certified MLR Technician.

**5713 MAINTENANCE AND LIGHT REPAIR IV (MLR IV)** - Double Block; One Semester; Two Credits**; 12th Grade**; Pre-requisites and/or Requirements: MLR I, II & III

The *Maintenance and Light Repair IV* course prepares students for entry into the automotive workforce or into post secondary training. Students study and service automotive HVAC systems, engine performance systems, automatic and manual transmission/transaxle systems, and practice workplace soft skills. Upon completing all of the *Maintenance and Light Repair* courses, students may enter automotive service industry as an ASE Certified MLR Technician.

***COLLISION REPAIR***

**Collision Repair Program of Study:**

Transportation Core (MLR I) 🡺 Collision Repair: Non-Structural 🡺Collision Repair: Painting/Refinishing

**5702 TRANSPORTATION CORE (MLR I) –** Single Block; One Semester; One Credit; 9th and 10th Grades; Pre-requisites and/or Requirements: None.

This course prepares students for entry into all subsequent transportation courses. Students explore career opportunities and requirements of a professional service technician. Content emphasizes beginning transportation service skills and workplace success skills. Students study safety, tools, equipment, shop operations, and basic technician skills.

**5707 COLLISION REPAIR: NON-STRUCTURAL** - Double Block; One Semester; Two Credits; 10th, 11th, and 12th Grades; Pre‑requisites and/or Requirements: Transportation Core.

Students receive training in a shop setting that enables them to repair damaged automobile bodies. Instruction includes shop safety, body and frame construction, welding, minor repair, and minor refinishing. The course also puts students on the road to many professions in the auto collision industry. Participation in Skills USA helps students develop their leadership skills and encourages the pursuit of personal goals and high standards.

**5709 COLLISION REPAIR: PAINTING AND REFINISHING** - Double Block; One Semester; Two Credits; **11th and 12th Grades**; Pre-requisites and/or Requirements: Collision Repair Non-Structural.

This course prepares students to use plastics and adhesives in the repair and refinish processes and to apply automotive paint to a vehicle. Students learn to diagnose automotive paint finish problems and to perform the appropriate manufacturer-required techniques and processes to refinish the affected area or the complete vehicle. Course content provides the student with training in mixing, matching, and applying paint and finish to vehicles. Course content includes the application of plastics and adhesives in the repair and refinish processes. The course prepares students for entry-level employment and advanced training in collision repair technology, and post secondary education. Students completing this course are eligible to take the ASE written examinations for Paint and Refinish and for Plastics and Adhesives.

***AUTOMOTIVE SERVICES***

**5702 TRANSPORTATION CORE (MLR I)–** Single Block; One Semester; One Credit; 9th and 10th Grades. Pre-requisites and/or Requirements: None.

This course prepares students for entry into all subsequent transportation courses. Students explore career opportunities and requirements of a professional service technician. Content emphasizes beginning transportation service skills and workplace success skills. Students study safety, tools, equipment, shop operations, and basic technician skills.

**57NN AUTOMOTIVE SERVICES –** Double Block; One Semester; Two Credits; 10th, 11th and 12th Grades; Pre-requisites and/or Requirements: Transportation Core

This course will cover basic automotive repair and routine preventative mechanical maintenance of the automobile. Students will cover light duty automobile maintenance such as oil change, fluid checks and changes, tire maintenance and changes, belt and hose maintenance and changes, and mechanical adjustments for safe automobile operation.

***BUSINESS TECHNOLOGY***

Courses in Business Technology will provide students the technical and interpersonal skills necessary for post secondary education and will provide excellent skills for careers in Business, Accounting, Management, Multimedia, Administrative Support and Information Processing.

**Program of Study for Multimedia**

  Computer Applications   Web Design  Multimedia 1 Multimedia Dual  Virtual Enterprise

**Program of Study Information Technology**

  Computer Applications   Personal Finance (1credit)  Advanced Computer Applications  Virtual Enterprise

**Program of Study for Banking, Financial Management and Accounting**

  Computer Applications   Personal Finance (1 credit)   Accounting I     Virtual Enterprise

**3718 COMPUTER APPLICATIONS** -- Single Block; One Semester; One Credit; 9th , 10th, 11th, and 12th Grades; Pre‑requisites and/or Requirements: Middle School Keyboarding suggested

Computer Applications will introduce and review keyboarding skills including how to “touch type” - a skill for life. Students will use a variety of software including **Microsoft Office** with the focus on **Word**. Explore your career options and develop team building with your PowerPoint and other group presentations. Come join us!

**ADVANCED COMPUTER APPLICATIONS -** - Single Block; One Semester; One Credit; 10th, 11th, and 12th Grades; Pre‑requisites and/or Requirements: Middle School Keyboarding suggested and Computer Applications.

Advanced Computer Applications is a capstone course using those Microsoft Office skills learned in Computer Applications. The course focuses on student choice and performance: students choose a minimum of two areas of specialization and prepare for industry certification in areas such as Excel, Word, PowerPoint, and Outlook. Students increase their employability by working toward the attainment of high-level skills in these areas.

**COMPUTER PROGRAMMING I -** Single Block; One Term; One Credit; **10th, 11th, and 12th** Grades; Pre-requisites and/or Requirements: Suggested - Computer Applications, Algebra I

This course is designed to develop object-oriented programming language skills using high level languages such as *Java, C++,* and *BASIC*. The student will utilize the commands, statements, and procedures of this language to write, run, debug, and edit computer programming. This first level course leads to game programming.

**3746 INTERACTIVE MULTIMEDIA DESIGN I** - Single Block; One Term; One Credit; **10th, 11th, and 12th** Grades; Pre-requisites and/or Requirements: Computer Applications.

Interactive Multimedia Design is designed to give students experience with designing, developing, publishing, and presenting media projects. Students learn the various components of storyboarding techniques, digital video, graphics, sound, and music, and animations. Teamwork will also be stressed as students develop projects such as Public Service Announcements, Music Videos, and Radio Commercials.

**3746D INTERACTIVE MEDIA DESIGN II DUAL ENROLLMENT**- Single Block; One Semester; One Credit; 11th- 12th Grades; Pre-requisites and/or Requirements: Interactive Media Design I.

Introduction to the basic technologies and processes used in video: the system and the equipment, the basic procedures and techniques and the process of design and production. Students shoot, edit in camera, analyze short projects, learn the basic principles of audio and visual communication; and employ the concepts and vocabulary of motion picture aesthetics. The production process and job roles are examined throughout, from idea through shooting, through postproduction.

**3776 WEB PAGE DESIGN SITE DESIGN** – Single Block; One Term: One Credit: **11th and 12th Grades**; Pre-requisites and/or Requirements: Computer Applications.

This course prepares students with work-related skills for advancement into postsecondary education or industry. Course content includes exposure to basic and advanced Web design, pixilated and vector-based Web graphics, Web animations, dynamics of Web hosting, and Web design in E-commerce. The course content provides students the opportunity to acquire fundamental skills in both theory and practical application of Web design and of leadership and interpersonal skill development. Laboratory facilities and experiences simulate those found in the Web page design and Web page construction industry. Further, this course maps to the Certified Internet Webmaster ―Site Designer national certification examination.

**3779 ACCOUNTING I** - Single Block; One Semester; One Credit; 10th, 11th, and 12th Grades; Pre‑requisites and/or Requirements: Computer Applications or any business course

Accounting I is a course in which students will apply generally accepted accounting principles to an accounting environment. It introduces concepts based on a double-entry system of maintaining the manual and electronic financial records for a business. Students will enter realistic accounting transactions for a variety of business applications and generate financial statements, spreadsheets and other management information reports. Students will gain entry-level accounting skills. (This course provides access to a computerized workstation for each student to complete financial applications using accounting and/or spreadsheet software.) Recommended for students who are considering taking Virtual Enterprise. **NOTE: Dual Enrollment Option – Students make decision to take Accounting I as a dual enrollment course through RSCC after semester begins.**

**3766 PERSONAL FINANCE/FINANCIAL PLANNING** - Single Block; One Semester; One Credit; 10th,11th,and 12th grades; Pre‑requisites and/or Requirements: none

Personal Finance is a course designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Utilizing Dave Ramsey’s high school curriculum and computer simulations, students will learn about real world topics including income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets; simulate use of checking and saving accounts; demonstrate knowledge of finance, debt, and credit management; and evaluate and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions.

**3766 FRESHMAN STUDIES MAVERICK CREDIT UNION/PERSONAL FINANCE** - Single Block; Two Semesters; One Credit; 9th grades; Pre‑requisites and/or Requirements: MUST BE IN FRESHMAN STUDIES ENGLISH

In addition to receiving credit for the Personal Finance graduation requirement, students will work and help run the on campus credit union. Students will be trained as Member Services Consultants by Y12FCU supervisors and will spend time each week working and learning in the on campus credit union. Along with learning Personal Finance Skills, students will spend time learning Banking and Financial industry standards. Utilizing Dave Ramsey’s high school curriculum and computer simulations, students will learn about real world topics including income, money management, spending and credit, as well as saving investing. This course will provide a foundational understanding for making informed personal decisions. This class will meet on an alternating schedule with Freshman Studies English.

**3757 VIRTUAL ENTERPRISE HONORS –** Single block; One – Two terms; 1-2 Credits; Grade: 11th and 12th . Pre-requisites and/or Requirements: (a) two or more credits in business technology (b) Min. Business GPA 3.0

Want to gain real world business experience in a classroom setting? Virtual Enterprise International (VE) is a year long computer simulated business environment course. You will be involved in actual on the job work experiences, including Accounting, Human resources, Management, Marketing, and Web Design. The only difference between the VE and an actual business is that goods are produced and legal tender is exchanged in a simulated environment online. Students will participate in trade shows, field trips, and online purchasing. Working in a team, the student will develop and enhance oral and written communication skills through initiative, responsibility, and creativity.

## CONSTRUCTION CARPENTRY

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| --- |
| Construction Carpentry  Construction Core 🡺 Carpentry I 🡺 Carpentry II 🡺 Work Based Learning |

**5730 CONSTRUCTION CORE –** Single Block; One Term; One Credit**; 9th**& **10th** Grades; Pre-requisites and/or Requirements: None

Students will be introduced to basic skills and knowledge applicable to all construction trades. Topics covered include safety, construction drawings, site layout, hand and power tools, linear and angular measurements, and application of algebraic and geometric principles to construction problems.

**5731 CARPENTRY I** - Double Block; One Term; Two Credits; Designed for 10th & 11th Grades; Pre‑requisites and/or Requirements: Construction Core

This course will introduce students to basic skills and knowledge related to residential and commercial carpentry. Topics covered include wood, metal, and concrete building materials; fasteners; hand and power tools; fabrication based on construction plans; and framing of platform and post-and-beam structures, in both wood and metal. This course gives students and introduction to the skill and knowledge base typically required for apprentice carpenters.

**5732 CARPENTRY II** - Double Block; One Term; Two Credits; Designed for **11th and 12th Grades**; Pre-requisites and/or Requirements: Carpentry I.

Students will extend their skills and knowledge related to residential and commercial carpentry. Topics covered include stairs, installation and trim of windows and doors, installation and repair of gypsum wallboard, advanced site layout, exterior finish work, thermal and moisture protection, and an introduction to welding. This course gives students a substantial skill and knowledge foundation typically required for apprentice carpenters.

## COSMETOLOGY

**Program of Study for Cosmetology**

  Principles of Cosmetology   Cosmetology II    Cosmetology III

**5338 PRINCIPLES OF COSMETOLOGY** - Single Block; One Term; One Credit; Designed for 10th Grade, but open to 11th and 12th Grades; Pre‑requisites and/or Requirements: None

This course introduces students to the career of cosmetology and begins the training needed to meet the standards set by the State Board of Cosmetology. Major topics include decontamination and infection, shampooing/rinsing, wet hairstyling, thermal hairstyling, permanent waving, and manicuring/pedicuring. Participation in Skills USA helps students develop their leadership skills and encourages the pursuit of personal goals and high standards.

**5339 DESIGN PRINCIPLES OF COSMETOLOGY (COSMETOLOGY II)** - Double Block, One Term or Double Block, Two Semesters; Up to Four Credits; **Designed for 11th and 12th Grades**; Pre-requisites and/or Requirements: Principles of Cosmetology and Instructor approval.

Designed to continue the training needed to acquire certification from the State Board of Cosmetology, this course offers instruction and hand-on learning opportunities in hair cutting, finger waving, wet hairstyling, permanent waving, hair coloring, chemical hair relaxing, thermal hair pressing, manicuring/pedicuring, facials, skin disorders, and removal of unwanted hair. Many lessons include the study of anatomy and physiology and chemistry. Continued participation in Skills USA further develops students’ leadership skills.

**5340**  **CHEMISTRY OF COSMETOLOGY (COSMETOLOGY III)**- Double Block, One Term or Double Block, Two Semesters; Up to Four Credits; **Designed for 12th Grades**; Pre‑requisites and/or Requirements: Cosmetology II – Design Principles of Cosmetology and Instructor approval.

This course reinforces and expands the training needed by students desiring to meet the certification standards set by the State Board of Cosmetology. New topics include managing appointments, building a clientele, and evaluating hair structure and hair chemistry. Upon graduation, students will be advised regarding the total number of hours needed to complete their training at postsecondary institutions. Continued participation in Skills USA further develops students’ leadership skills.

***CRIMINAL JUSTICE***

**Program of Study for Criminal Justice**

  Criminal Justice I   Criminal Justice II    Criminal Justice III/Dual Enrollment Course

**5330 CRIMINAL JUSTICE I** – Single Block; One Term; One Credit; **10th & 11th Grades. Also open to 9th graders in Freshman**

**English Honors.** Pre-requisites and/or Requirements: None except for freshmen.

This course is the first level of study of criminal justice careers, preparing students for work-related knowledge and skills for advancement into the second level of criminal justice careers. Course content focuses on areas comprised of planning, managing, and providing judicial, legal, and protective services. The course is an overview of the legal/justice system and builds a better understanding of the development of laws on state, federal, and international levels. New technology and career opportunities in criminal justice are an integral part of the course content.

**5331 CRIMINAL JUSTICE II** – Single Block; One Term; One Credit; **10th & 11th Grades**; Pre-requisites and/Requirements: Criminal Justice I.

This course will offer an in-depth study of criminal justice careers in which current criminal justice career issues will be discussed and debated. Local, state, federal, and international laws will be analyzed. Subject matter will include a comparison of the criminal justice careers in the United States with other countries. Students will have opportunities to participate in mock trials and activities with criminal justice careers emphasis. Course content will introduce new technology, effects of forensic analysis, and career opportunities. The course content will include information for planning, managing and providing legal, judicial, public safety, and correctional services. This course will be offered in the fall at ACCTC. **Students registering for Criminal Justice II should also register for Criminal Justice III for the 2013-14 school year if they plan to take the full series of courses.**

**5342 CRIMINAL JUSTICE III** – Single Block; One Term; One Credit; **11th & 12th Grades**. Prerequisites and/or Requirements:

Criminal Justice I and II (dual enrollment Criminal Justice course(s) can be substituted). THIS COURSE WILL BE OFFERED SPRING 2014 BUT WILL NOT BE OFFERED IN THE 2014-15 SCHOOL YEAR. STUDENTS REGISTERING FOR CRIMINAL JUSTICE II SHOULD ALSO REGISTER FOR CRIMINAL JUSTICE III FOR THE 2013-14 SCHOOL YEAR IF THEY PLAN TO TAKE THE COMPLETE SERIES.

This course will provide students with an opportunity to explore the basic processes and principles of forensic science as it relates to criminal investigation. Students will learn the importance of the identification, collection, and processing of evidence and of its contribution to the criminal investigation. Students will learn of the legal responsibilities and challenges which the forensic investigator may encounter from initial response to the court room. This course will be offered in the Spring at ACCTC.

**CRJT 221 DUAL ENROLLMENT CRIMINAL LAW** – Before school 2 days per week, Fall Semester. One high school credit; three

college credits at Roane State Community College; **11th or 12th Grades.** Prerequisites: 19 in reading on ACT or PLAN and 3.0 GPA. GPA requirement may be waived by instructor.

This course introduces students to the fundamental nature of law and provides an overview of general legal principles. Both criminal law codifications and criminal elements in felonies and misdemeanors will be analyzed. Course will be at ACHS with travel time to CHS built into the schedule; students will provide own transportation. Students taking this course may opt out of 4th block.

**CRJT 112 DUAL ENROLLMENT COURT PROCEDURES** – Before school 2 days per week, Spring Semester 2014. One high

school credit; three college credits at Roane State Community College; **11th or 12th Grades.** Prerequisites: 19 in reading on ACT or PLAN and 3.0 GPA. GPA requirement may be waived by instructor.

This course provides an introduction to and study of court procedures and rules of evidence for all career areas of the criminal justice systems. Content will include the courtroom work group, pre-trial procedures and the trial process. Content will range from the basic considerations of relevancy through qualifications of witnesses to specific evidential problems. Course will be at CHS with travel time to ACHS built into the schedule; students will provide own transportation. Students taking this course may opt out of 4th block.

***ELECTRICAL***

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| **ELECTRICAL**  Construction Core 🡺 Electrical I 🡺 Electrical II 🡺 Worked Based Learning (With teacher recommendation) |

**ELECTRICAL I** - Double Block; One Term; Two Credit; Open to 10th, 11th & 12th grade. Pre‑requisites and/or Requirements: **Algebra I**

**AND** one of the following: Engineering I, Construction Core, Manufacturing Core, Transportation Core, or Cabling

This course will provide basic skills and knowledge related to residential and commercial electrical systems. Course content include leadership development, safe practices, Ohm’s services according to National Electrical Code (NEC) and local codes. This course gives students an introduction to the skill and knowledge base typically required for apprentice electricians.

**ELECTRICAL II** - Double Block; One Term; Two Credit; Open to 11th & 12th grade. Pre‑requisites and/or Requirements: Electrical I

***Electrical II*** is a course in which students will learn and practice intermediate skills related to electrical systems, with emphasis on commercial systems. Topics covered include overcurrent protection; sizing conductors; lighting systems; three-phase motors; motor control circuits; sizing raceways, boxes, and fittings; and connecting distribution transformers, including a laboratory experience conducted in a shop environment that supports electrical assembly projects by students. This course gives students a substantial skill and knowledge foundation typically required for apprentice electricians.

***ENGINEERING (PROJECT LEAD THE WAY)***

This programis a pre-engineering program that will build a good base for being an engineering, machinist, or computer design technician. Other career options include any Manufacturing Operation, Civil, Mechanical, and other types of engineers, and any type of work in the engineering/manufacturing field.

**\*Students also have the opportunities to collaborate with professionals from Y-12 and Dept of Energy**

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| **ENGINEERING DESIGN PROGRAM OF STUDY**  Engineering Design🡺 Engineering Programming 🡺 Engineering Principles **or** Engineering Electronics 🡺 Engineering Design and Development 🡺Worked Based Learning (With teacher recommendation) |

**5788 ENGINEERING I** *DESIGN* - Single Block; One Term; One Credit; **Designed for 9TH Grade**; Open to 10th, 11th & 12th grade. Pre‑requisites and/or Requirements: Principles of Engineering; **Algebra I** (*may be concurrent).*

This course is the **FIRST** in the *PROJECT LEAD THE WAY* sequence. This is a course in which students explore the nature of engineering and the skills fundamental to all engineering fields, as well as the role of quality-assurance and quality control procedures in manufacturing. Emphasis is placed on actual projects and presentations and the use of modern tools (e.g., CAD).

**5780 ENGINEERING II** *PROGRAMMING* **Honors**  - One Block; One Term; one Credit; Designed for 10th Grade, open for 11th & 12th grades; Pre‑requisites and/or Requirements: Engineering Design/Cad; **Geometry** (*may be concurrent*).

This course is the **SECOND** in the *PROJECT LEAD THE WAY* sequence. This is a course that applies principles of robotics and automation. The course builds on computer solid modeling skills developed in Introduction to Engineering Design, and Design and Drawing for Production. Students use CNC equipment to produce actual models of their three-dimensional designs. Fundamental concepts of robotics used in automated manufacturing, and design analysis are included.

**5784 ENGINEERING III** *PRINCIPLES* **Honors** - One Block; One Term; one Credit; Designed for **11th Grade;** Open **to 12th Grade**; Pre-requisites and/or Requirements: Engineering II Programming; **Alg. II** (*may be concurrent*)

This course is the **THIRD** in the Engineering Course sequence. This is a course in which students explore the nature of engineering and the skills fundamental to all engineering fields, as well as the role of quality assurance and quality control procedures in manufacturing. Emphasis is placed on actual projects and presentations and the use of modern tools (e.g. CAD).

**5783 ENGINEERING III** *ELECTRONICS* **Honors–** One block; One Term; One Credit; Designed for **12th grade**. Pre-requisites and/or Requirements: **Adv. Alg/Trig,** **Students may take EITHER Electronics or Principles for the 3rd Engineering course.**

This is the **FOURTH** course in the Engineering Coursesequence*.* This is a course of study in applied digital logic. Students will be introduced to digital circuits found in video games, watches, calculators, digital cameras, and thousands of other devices. Students will study the application of digital logic and how digital devices are used to control automated equipment. The use of digital circuitry is present in virtually all aspects of our lives and its use is increasing rapidly. This course is similar to a first semester college course and is an important course of study for a student exploring a career in engineering or engineering technology.

**5798** **ENGINEERING IV** *DEVELOPMENT AND DESIGN* **Honors -** One block; One Term; One Credit; Designed for **12th grade**. Pre-requisites and/or Requirements: Minimum of two Engineering Courses, or instructor approval; **Adv. Alg/Trig**

This course is designed to be the capstone course in the Engineering Course sequence. This course integrates the information from the entry level Engineering courses and requires students to apply knowledge and information by creating and completing independent and group projects. Students will also have the opportunity to apply knowledge into real world situations and potentially have the opportunity to work with engineers at Y-12 and other facilities to better design products. Job shadowing and research are requirements for this course.

***FAMILY AND CONSUMER SCIENCE***

This program is designed to assist students in developing core knowledge and skills needed for successful life planning and management. Skills learned in this program are child and lifespan development, family and parenting education, resource management, housing and living environments, nutrition and foods, textiles and apparel, leadership development, and college and career preparation. This field encompasses many career options to discuss with your counselors and teachers; some options are listed below in the chart. **It is recommended that all students interested in this field should begin by taking FACS.**

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| **Program of Study for Family and Community Services**  Family and Consumer Science🡺 Child and Lifespan Development 🡺Nutrition and Foods🡺 Life Connections 🡺  Work Based Learning (With teacher recommendation)  **Program of Study for Counseling and Mental Health**  Family and Consumer Science🡺 Child and Lifespan Development 🡺 Life Connections 🡺  Work Based Learning (With teacher recommendation)  **Program of Study for Nutritional Counseling**  Family and Consumer Science 🡺 Nutrition and Foods **🡺** Child and Lifespan Development🡺 Work Based Learning (With teacher recommendation)  **Program of Study for Consumer Economics**  Family and Consumer Science**🡺**  Personal Finance **🡺**  Life Connections **🡺** Work Based Learning (With teacher recommendation) |

***CULINARY ARTS***

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| **Program of Study for Food and Beverage Services**  Family and Consumer Science🡺 Culinary Arts I🡺 Culinary Arts II🡺 Culinary Arts III |

***EARLY CHILDHOOD EDUCATION CAREERS:* Teaching as a Profession**

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| **Program of Study for Pre-K Childhood Education Teaching and Training**  Family and Consumer Sciences 🡺 Early Childhood Education Careers I 🡺 Early Childhood Education Careers II 🡺 Early Childhood Education Careers III 🡺Worked Based Learning (With teacher recommendation) |

***Family, Career and Community Leaders of America* (FCCLA), the co-curricular student organization will provide students with opportunities for leadership development, personal growth and school/community involvement in service projects and competitions. Participation is highly recommended for all the following classes. There are three chapters to this club to be more specific to field of study: FCCLA General FACS, FCCLA Culinary Arts, and FCCLA Early Childhood**

**5381 CULINARY ARTS I –** Single Block; 1 Credit; Designed for 10th, 11th, and 12th grades. Pre-requisites and/or Requirements: FACS (5603) recommended, but not required.

This course, which is the first level of Culinary Arts, prepares students for gainful employment and/or entry into post-secondary education in the food production and service industry. Content provides students the opportunity to acquire marketable skills by examining both the industry and its career opportunities and by developing food preparation and service and interpersonal skills. Laboratory facilities and experiences, which simulate commercial food production and service operations offer school- based learning opportunities.

**5382 CULINARY ARTS II –** Single Block, 2 semesters - Year Long; 2 Credits; Designed for 11th and 12th grades. Pre-requisites and/or Requirements: Culinary Arts I and Instructor Approval required.

This course, which is the second level of Culinary Arts and prepares students for gainful employment and/or entry into post-secondary education in the food production and service industry. Content provides students the opportunity to acquire marketable skills by demonstrating the principles of safety and sanitation, food preparation skills, and teamwork to manage an environment conducive to quality food production and service operations. Laboratory facilities and experiences, which simulate commercial food production and service operations, offer school-based learning and work-based learning opportunities.

**5383 CULINARY ARTS III –** *to be offered 2014-1015*

**5603 FAMILY AND CONSUMER SCIENCES –** Single Block; One Credit; Designed for 9th and 10th grades; Pre-requisites and/or Requirements: None.

*Family and Consumer Sciences (FACS)* is a comprehensive, foundation course designed to assist students in developing core knowledge and skills needed for successful life planning and management. Content includes human development; family and parenting education; resource management; housing and living environments; nutrition and foods; textiles and apparel; leadership development; and career preparation. A unique focus is on the management of families, work, and their interrelationships. The course provides a foundation for further study in specialized related career areas.

**5609 NUTRITION AND FOODS –** Single Block; One Credit; Designed for 10th, 11th, and 12th grades. Pre-requisites and/or Requirements: FACS (5603) recommended, but not required.

*Nutrition and Foods* is a specialized course designed to help students understand the nutrient value, appetite appeal, social significance and cultural aspects of food. Students will examine the role of nutrition in the prevention of health conditions, such as obesity, and the promotion of optimal body performance throughout the lifespan. The course offers students opportunities to develop skills in the safe and sanitary selection, preparation, storing, and serving of food; meal management to meet individual and family nutrition needs across the life span; and optimal use of food resources. Instruction includes academic integration and Technology applications. Careers in nutrition and food industries will be explored.

**5625 CHILD AND LIFESPAN DEVELOPMENT -** Single Block; 1 Credit; Designed for 10th, 11th, and 12th grades. Pre-requisites and/or Requirements: FACS (5603) recommended, but not required.

*Child and Lifespan Development* prepares students to understand the physical, social, emotional and intellectual growth and development throughout the lifespan. Experiences such as laboratory observations, job shadowing, service learning and laboratory participation will enhance the learning process. Instructional content includes Child and Lifespan Development theories and research; prenatal development; infants and toddlers; preschool years; middle childhood; adolescence; adulthood; geriatrics; death and dying; careers; and leadership, citizenship and teamwork.

**5623 LIFE CONNECTIONS -**  Single Block; One Term; One Credit; Designed for **12th Grade**; Pre‑requisites and/or Requirements: Family and Consumer Science

This course focuses on young adults. Content includes skills and knowledge to enable students to maintain an optimum, independent living environment by making responsible young adult decisions. Students will learn to plan and set goals for a career, manage multiple roles, maintain respectful and caring relationships with improved communication skills, understand the responsibilities of parenting, cope with stress and crisis situations, provide for health and well being, and function as informed consumers.

**5650 EARLY CHILDHOOD EDUCATION CAREERS I** - Single Block; One Credit; Designed for **10th grade, but open to 11th and 12th grades**; Pre-requisites and/or Requirements: FACS (5603) and Child & Lifespan Development (5625) recommended, **but not required**.

This course is designed for students who have an interest in a teaching career with children of any age (Preschool through 12th). This course provides students an introduction to basic skills and knowledge needed to work with children; such as guidance and supervision, health and safety, program planning, etc. Laboratory and hands-on experiences offer excellent learning opportunities.

**5660 EARLY CHILDHOOD EDUCATION CAREERS II** - Double Block; One Term; Two Credits; Designed for **11th and 12th Grades**; Pre-requisites and/or Requirements: Early Childhood Education Careers I

This course builds on the information and skills acquired in ECEC I and put them into practice. Content provides students the opportunity to plan, develop, and lead learning activities for young children. Students will put to practice learning and developmental theories in a classroom environment. Through this course, students will be able to work in a laboratory/classroom environment obtaining hands on learning experiences. **This course also provides a dual-enrollment opportunity.**

**5661** **EARLY CHILDHOOD EDUCATION CAREERS III –** Double Block; Two Credits; Designed for **12th Grade only.** Pre-requisites and/or Requirements: Early Childhood Education Careers II

Upon completion of this course, students will be prepared with the necessary skills and knowledge base to seek employment in the early childhood industry. This course also provides the basic foundation needed to be successful in post secondary courses. Content provides students with experiences and study administration, special needs children, preschool classrooms, Infant/toddler classrooms, and elementary education classroom. This course requires a job shadowing education experience. Student will spend the majority of their time outside the classroom in specific placements. Students are responsible to provide their own transportation if job shadowing at an off-campus location. **This course also provides a dual-enrollment opportunity.**

**5714 HOUSING –** Single Block; 1 Credit; Designed for 10th, 11th, and 12th grades. Pre-requisites and/or Requirements: FACS (5603) recommended, but not required.

*Housing* is a specialized course designed to prepare students to understand the influences affecting housing decisions. Emphasis is on using available resources effectively to meet individual housing needs.

***HEALTH SCIENCE AND TECHNOLOGY***

**Health Science Education is an educational program designed to prepare students in grades 9-12 for careers in health care. The program provides students:**

* **An academic foundation that includes reading and writing (charts, reports, manuals...); the performance of mathematical operations, such as computations involving weights and measures; and the application of science knowledge, such as biology, chemistry and physics.**
* **Hands-on experiences in a health care facility.**
* **These include job shadowing, clinical internships, cooperative education and other work-based experiences.**
* **An opportunity to become a Certified Nurses Aide and/or certified First Responder.**
* **Health care mentors who assist with learning opportunities in a health care facility.**
* **Community involvement with health care partnerships.**
* **Opportunities for Tech Prep programs to earn college credit while in high school.**
* **Preparation for employment in new and innovative health care careers.**

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| **Program of Study for Diagnosis & Treatment**  Health Science Education 🡺 Medical Therapeutics 🡺  🡺 Clinical Internship OR Dual Enrollment Course  **Program of Study for Supplemental Services**  Health Science Education 🡺 Anatomy and Physiology 🡺  🡺 Clinical Internship OR Dual Enrollment Course |

1. **HEALTH SCIENCE EDUCATION** - Single Block; One Term; One Credit; 9th, 10th & 11th Graders. Priority given to 9th and 10th graders in order to complete a program of study. Pre‑requisites and/or Requirements: Biology (may be concurrent)

This course is an introduction to broad standards that serve as a foundation for health care occupations and functions across health services. Units included are academics in health care communication systems, legal responsibilities, ethics, teamwork, and safety practices. Participation in Health Occupations Students of America (HOSA) offers students opportunities to develop leadership abilities and participate in skills competition.

1. **MEDICAL THERAPEUTICS** - Single Block; One Term; One Credit; Designed for 10th & 11th ; Pre‑requisites and/or Requirements: Health Science Education.

This course provides knowledge and skills to maintain or change the health status of an individual over time. This could include careers such as dental, dietetics, medical assistance, home health, nursing, pharmacy, respiratory, social work, and others. Participation in Health Occupations Students of America (HOSA) offers these young people opportunities to develop their leadership abilities and participate in skill competition.

**5509 ANATOMY AND PHYSIOLOGY** - Single Block; One Term; One Credit; Designed for **11th & 12th** ; Pre-requisites and/or Requirements: Health Science Education. **This course will also count as a Science credit.**

Students will examine human anatomy and physical functions. They will analyze descriptive results of abnormal physiology and evaluate clinical consequences. A workable knowledge of medical terminology will be demonstrated. This course may be offered for one unit of science credit if the teacher is endorsed in science or for one unit of career and technical education credit.

**5510 EMERGENCY MEDICAL SERVICES** – Single Block; One Semester; One Credit; Offered Spring semester. This course is designed for **11th and 12th Grades**. Pre-requisites and/or Requirements: An A or B in Health Science.

Emergency Medical Service (EMS) is designed for students interested in a career in pre-hospital or emergency patient care. Career Options may include Emergency Room Physician, Emergency Medical Technician, Paramedic, or Emergency Room Nurse. This course is offered as a dual-enrollment course, students will receive 3 credit hours at Roane State Community College. Offered Spring Semester at ACCTC.

1. **MEDICAL TERMINOLOGY** – 11th -12th grade. Pre-requisites and/or Requirements: Health Science **Recommended.**

This course is offered as a dual-enrollment course; students will receive 3 credit hours at Roane State Community College and one high school credit. Offered Fall Semester at ACCTC. Class will be held only on Tuesdays and Thursdays 7:20 am to 8:40 am.

**9397 WORK-BASED LEARNING** – Double Block; One or Two Semesters; One or Two Credits earned. **12th Grade**. Pre-requisites and/or Requirements: (a) Three or more courses completed in Health Science courses, (b) 19 on ACT and minimum 3.0 GPA.

(c) concurrent enrollment in related class, (d) completed application on file, (e) instructor approved, appropriate paid employment secured by the student. Students develop technical and soft skills while gaining on-the-job work experience. Continued membership in HOSA is an integral part of this course.

***MARKETING***

Marketing students can further enhance their knowledge of successful business practices and increase their leadership opportunities through membership in DECA, an Association of Marketing Students, which offers opportunities to participate in local, state, and international projects, activities, competitions, and simulations throughout their Program of Study during their high school experience.

**Marketing Program of Study:**

Marketing I 🡺 Marketing II 🡺Virtual Enterprise

**5000 MARKETING AND MANAGEMENT I** - Single Block; One Semester; One Credit; Designed for 10th or 11th Grade; Pre‑requisites and/or Requirements: None.

In this course, students will participate in activities to develop an understanding of and provide an overview of all activities that make a business successful in our global economy. Students are given the opportunity to demonstrate their understanding of real marketing concepts through projects, classroom activities, fieldtrips, guest speakers, and simulations. Course is designed as a foundation for students pursuing any aspect of business as a career or in post-secondary education. Students who successfully complete this course will have satisfied the State Department of Education’s graduation requirement for Economics for the regular or honor’s diploma.

**5001 MARKETING AND MANAGEMENT II – ADVANCED STRATEGIES** -Single Block; One Term; One Credit; **12th** Grade Only. Pre‑requisites and/or Requirements: Marketing I.

This course reinforces the economic principles taught in level one and expands students’ basic understandings as they relate to business ownership and success. Students learn the importance of entrepreneurial skills, international marketing, and management in today’s businesses. Continued membership in DECA offers class members an opportunity to further develop their leadership abilities and continue to participate in skills competition.

***MACHINING/MANUFACTURING TECHNOLOGY***

**Precision Production Program of Study:**

Principles of Machining 🡺 Machining I 🡺 Machining II

**3781 PRINCIPLES OF MACHINING –** Single Block; One Term; One Credit**;** 9thor 10th Grades; Pre-requisites and/or Requirements: None

This course focuses on the essential principles that must be mastered for a person to be effective in manufacturing production work. The course is intended for students more interested in production than engineering. The course covers customers, quality principles and processes, systems, information in the workplace, the business of manufacturing, and statistical process control. This course is contextual by design. It connects what is being learned to the learner’s current experience, past knowledge, and future conduct.

**5782 MACHINING I** - Double Block; One Term; Two Credits; Designed for 10th & 11th Grades; Pre‑requisites and/or Requirements: Principles of Manufacturing

This course focuses on the concepts and practices that support careers in manufacturing, industrial maintenance, metrology, automation, industrial design, or industrial support. The course introduces the technology of machining and manufacturing processes. While working as team members, students will apply leadership and organizational skills relating to designing, producing, and maintaining a product. Emphasis is placed on quality control, codes and standards, and production systems. The course is contextual by design. The course connects what is being learned to the learner’s current experience, past knowledge, and future conduct. Laboratory exercises provide active and cooperative learning opportunities.

**5785 MACHINING II** - Double Block; One Semester; Two Credits; Designed for 11th or 12th Grade; Pre-requisites and/or Requirements: Principles of Machining and Manufacturing.

This course is for students interested in entering the workforce or pursing higher education in the manufacturing area. The course requires students to solve problems in a real-world manufacturing context. Problems address critical areas identified by industry and supported by relevant national standards.

This course is structured as a series of simulation units. The simulations require students to identify problems in a manufacturing company based on data supplied in typical management reports. Students work in teams of four to six. Teams test and refine proposed solutions with computer simulations. All teams work on the same problem concurrently. At the end of each unit, students present their teams’ findings and recommendations to the class and to a panel of manufacturing industry representatives, which acts as the board of directors.

**POSSIBLE DUAL ENROLLMENT OPPORTUNITY –** Students may have the opportunity to take a Machining course at Tennessee Technology Center for high school and TTCJ Credit. Please see instructors for details if you are interested

***WELDING***

**Operations and Maintenance Program of Study:**

Principles of Machining 🡺 Welding I 🡺 Welding II

**Construction Welding**

Intro to Welding 🡺 Welding I 🡺 Welding II 🡺 Work Based Learning

**5730 INTRODUCTION TO WELDING –** Single Block; One Term; One Credit**; 9th**& **10th** Grades; Pre-requisites and/or Requirements: None

Introduction to Welding is a course in which students will learn basic skills and knowledge related to cutting and welding applications. Course content includes safe practices, career research, leadership development, and basic arc welding and thermal cutting skills. Combined with the second and third years courses, the student should be prepared for Entry Level Welder Certification, as defined by American Welding Society QC10. This course is a great addition to students interested in Welding, Construction, or Manufacturing.

**5781 PRINCIPLES OF MACHINING –** Single Block; One Term; One Credit**;** 9thor 10th Grades; Pre-requisites and/or Requirements: None

This course focuses on the essential principles that must be mastered for a person to be effective in manufacturing production work. The course is intended for students more interested in production than engineering. The course covers customers, quality principles and processes, systems, information in the workplace, the business of manufacturing, and statistical process control.

This course is contextual by design. It connects what is being learned to the learner’s current experience, past knowledge, and future conduct.

**5786 WELDING I –** Double Block; Two Terms; Two Credits**;** 10th, 11th, 12th Grades; Pre-requisites and/or Requirements: Intro to Welding OR Principles of Machining

Students will learn basic skills and knowledge related to cutting and welding applications. Welding and cutting skills will be developed in the context of a series of projects. Combined with the second year course, Welding Applications, the students should be prepared for Entry Level Certification, as defined by American Welding Society (AWS) QC10

1. **WELDING II** - Double Block; One Term; Two Credits; Designed for 11th and 12th Grades; Pre-requisites and/or Requirements: Principles of Welding Algebra I or Math Tech II is highly recommended.

This course is designed to follow Principles of Welding, in which students will learn more advanced techniques and skills related to cutting and welding applications, particularly as they relate to stainless steel and aluminum. Welding and cutting skills will be developed in the context of a series of projects. Following the completion of this course, the student should be prepared for Entry Level Welding Certification, as defined by American Welding Society QC10.

**POSSIBLE DUAL ENROLLMENT OPPORTUNITY –** Students may have the opportunity to take a Welding course at Tennessee Technology Center for high school and TTCJ Credit. Please see instructors for details if you are interested

[](http://schools-demo.clipart.com/search/close-up?oid=3840068&q=welder&s=1&a=a&k_mode=all&k_exc=&q_jpeg=1&q_gif=1&q_color=1&q_bw=1&q_eps=1&q_wmf=1&q_psd=1&q_png=1&date=&isadv=1)WORK BASED LEARNING

**Course Sequence**

**CTE COURSE** 🡺 **CTE COURSE** 🡺 **CTE COURSE** 🡺 **WORK BASED LEARNING**

**5098 WORK BASED LEARNING** - Single Block; Maximum of Two Terms, OR Double Block, One Term; Maximum of Two Credits; Designed for **12thGrade**; Pre‑requisites and/or Requirements: Must (a) Have 2-3 credits in a CTE course focus (b) 18 on ACT and minimum 2.75 GPA.

(c) have a completed application on file, and (d) approval of instructor and Job Placement Coordinator

Through a cooperative experience, students are able to demonstrate their understanding of marketing concepts while acquiring on‑the‑job training. Continued membership in Skills USA offers students additional opportunities to develop their leadership skills.

**IMPORTANT INFORMATION ABOUT WORK BASED LEARNING (CO-OP)**

* **PLAN AHEAD -** If you want to Co-op your senior year, you need 2-4 courses in a CTE focus.
  + **Agriculture –** Three or more credits.
  + **Business Technology –** Computer Applications plus two or more credits.
  + **Collision Repair –** Four or more credits
  + **Computer Repair –** Four or more credits
  + **Construction Technology -** Four or more credits
  + **Criminal Justice –** Three or more credits
  + **Early Childhood Education –** Four or more credits
  + **Engineering –** Three or more credits
  + **Family and Consumer Science –** Four or more credits
  + **Health Science - Clinical Internship –** Health Science & Medical therapeutics
  + **Machining –** Four or more credits
  + **Marketing –** Marketing I completed Junior year and take Marketing II Senior year.
  + **Welding –** Four or more credits.
* **Work on your EMPLOYABILITY –** The WBL coordinator will check your attendance and your discipline record. Anderson County High School needs students who will represent us well. Employers need people who are dependable (attendance and tardies) and that get along with people (discipline).
* **During Registration for your senior year -** Talk to your counselor during registration. Determine IF you have the vocational courses needed and meet the requirements.
* **Other Requirements** – Students must have a 2.75 GPA, and 18 on ACT and instructor’s approval. Students who do not meet requirements to co-op in the fall may take the ACT through the October testing and re-apply, no later than November 1st.
* **Credit –** Students can only earn 2 credits for the year to Co-op
* **CTE Teacher Input** - Talk to the CTE teacher in the focus area (see above) through which you want to work. The teacher will consider the following before allowing you to apply for WBL:
  + What is this student’s competency level?
  + How was this student’s attendance?
  + How did this student get along with the other students in the class?
  + Will this student represent the ACHS WBL program in a positive way?
* **Application –** Complete the WBL application on the following page in this booklet. Turn in the application by the deadline. Please bring completed application with required signatures to Guidance by April 30th.
* **Deadline for Application: April 30th** 
  + Students who submit an application on time will be considered for WBL.
  + Students who meet the deadline will be given TOP PRIORITY in being considered for the class. Not every student who qualifies may be able to work through WBL classes CANNOT be overloaded for a student who wants to work.
* **The Job –** IT IS YOUR RESPONSIBILITY TO FIND YOUR OWN JOB. You must have a job secured before the semester you are scheduled for WBL. If you need assistance, contact your WBL coordinator prior to beginning the semester.
* **Important Note** – The WBL coordinator must give his/her final approval before any student will be allowed to participate in WBL. This is to insure compliance with state law.

**INTENT TO PARTICIPATE**

**2013- 2014 WORK-BASED LEARNING (WBL) APPLICATION**

|  |
| --- |
| * **Earn three or more units in a focused technical area. \*Marketing requires two units.**   **MUST HAVE 18 ACT and 2.75 GPA**   * Submit completed Intent to Participate application, including signed agreement of technical instructor and WBL Coordinator of your technical area (Marketing – Ellis, Health Science – Barbara Bennett, All other areas – Kelly Myers at ACCTC) to your counselor by **April 30th.** (Applications received after this date will only be considered if slots are available after first round placement is completed.) * **Submit any additional forms required by technical instructor.** * **Confirm job placement with work-based WBL coordinator prior to the first day of the semester in which you will participate in a work-based learning experience.**   **\*The work-based learning coordinator will make the final selection of participants.**  **\*Note: There may be a limited number of WBL positions available for 2nd semester only. Students that did not meet requirements for fall semester may apply for spring semester by Nov. 1st.** |

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date of Birth \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Present Address\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student Home Phone \_\_\_\_\_\_\_­­­­\_\_\_\_\_\_\_\_\_\_ Student Cell Phone \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent/Guardian \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Parent Phone \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Employment Plans (Be specific. Tell how participation in the type of work-based learning experience you describe will further your understanding of the skills/concepts presented in the class(es) specified above.)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*CTE Instructors Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

**Career and Technical Instructor – Program of Studies Classes**

*Student Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

*Parent Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

**Submit applications to Guidance office**

Office Use Only Office Use Only Office Use Only Office Use Only Office Use Only

Attendance Events 2012-13: \_\_\_\_\_\_\_\_\_\_ GPA \_\_\_\_\_\_\_\_ ACT \_\_\_\_\_\_\_\_\_\_

Discipline Events 2012-13: [ ] Attached [ ] None

APPROVED [ ] DENIED [ ] \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Mr Hopper - WBL Coordinator Signature

**MICELLANEOUS**

**ATHLETIC ELIGIBILITY**

Students interested in playing sports on the college level need to register and cleared through the NCAA Clearing House. For more information visit: www.eligibilitycenter.org

**DRIVING FORMS**

In order to obtain a Driver’s Permit or Driver’s License in the state of TN, students must meet certain academic and attendance requirements and get a certificate from guidance stating they have met these requirements. Freshmen turning 15 years old must wait until the end of the first grading period to be eligible to receive their driving form. Requirements include:

* A passing grade in 3 of 4 courses
* Fewer than 10 consecutive unexcused absences in the current semester
* Fewer than 15 total unexcused absences in the current semester

Students may sign up in guidance with Ms. Woodfin to request their driving form. Please allow at least 24 hours for the request to be processed.

**HOMEWORK REQUESTS**

If a student misses **more than 3 consecutive days** due to an illness, it may be beneficial to request homework to keep up with assignments. If this occurs, please contact Sandra Brown at 457-4718. Requests must be made **BEFORE** 9am and can be picked up **AFTER** 3pm.

**NOTE:** If your child misses 1 or 2 days, he/she may collect homework from the teachers upon return to school.

**ATTENDANCE**

It is required that a student submit a note for any school absences. Notes should be turned into the front office within 3 days of the student’s absence. Please note the following guidelines:

* For a student’s first SIX absences, they may submit a parent OR doctor’s note.
* If the student has missed MORE than SIX days of school this year, a doctor’s note is REQUIRED.

If you have questions, you may contact our attendance staff at 457-4716.

**SCHOOL COUNSELING WEBSITE**

The school counseling website is a great place to find relevant information including Senior information, College/Scholarship information, school presentations, important links, and much more. Please visit regularly to keep up with current information at **http://www.achs.acs.ac/?PageName='Guidance'**

You can also visit our school website at **http://www.achs.acs.ac** for other important information.

**SCHOOL HOURS**

The regular school day lasts from 8:35am – 3:45pm. Students may arrive on campus starting at 7:45am each day.

**OFF CAMPUS LUNCH**

Juniors who score at least a 23 OR exceed their ACT predictive score by at least 2 points on the March in-school ACT test may have the opportunity to leave campus for lunch as a Senior. See your counselor if you need to know your predictive score.

**GRADUATION REQUIREMENTS WORKSHEET**

This worksheet will help you determine classes you need to take to fulfill graduation requirements. Please refer to your transcript and complete worksheet below.

|  |  |
| --- | --- |
| **English - 4 Credits**  \_\_\_English I  \_\_\_English II  \_\_\_English III  \_\_\_English IV | **Programs of Studies – 3 credits**  **See indicated page for specific course requirements**  **Agriculture, Food & Natural Resources pg. 22**  \_\_\_\_\_Animal Systems  \_\_\_\_\_Power, Structures and Technical Systems  \_\_\_\_\_Environmental & Natural Resources Systems  \_\_\_\_\_Plant Systems  **Architecture and Construction pg. 23**  \_\_\_\_\_Construction Welding  \_\_\_\_\_Construction Carpentry  \_\_\_\_\_Construction Electrical  **Arts, Audio/Video Technology & Communications pg. 24**  \_\_\_\_\_Fine Arts  \_\_\_\_\_Interior Design  **Business, Management and Administration pg. 25**  \_\_\_\_\_Business Financial Management & Accounting  \_\_\_\_\_ Information Technology  \_\_\_\_\_Multimedia  **Education and Training pg. 26**  \_\_\_\_\_Pre-K Childhood Education Teaching Training Services  **Government and Public Administration pg. 28**  \_\_\_\_\_National Security  \_\_\_\_\_NJROTC  **Health Science pg. 29**  \_\_\_\_\_Diagnostic Services: Diagnostic & Treatment  \_\_\_\_\_Diagnostic Services: Supplemental Services  **Hospitality & Tourism pg. 30**  \_\_\_\_\_Food/Beverage Service  **Human Services pg. 31**  \_\_\_\_\_Consumer Services  \_\_\_\_\_Counseling & Mental Health Services  \_\_\_\_\_Nutritional Counseling  \_\_\_\_\_Family and Community Services  \_\_\_\_\_Personal Care Services  **Information Technology pg. 32**  \_\_\_\_\_Interactive Media  \_\_\_\_\_Program and Software Development  **Law, Public Safety, Corrections & Security pg. 33**  \_\_\_\_\_Law Enforcement Services  \_\_\_\_\_NJROTC  **Manufacturing pg. 34**  \_\_\_\_\_Operations & Maintenance  \_\_\_\_\_ Precision Productions  \_\_\_\_\_Engineering  **Marketing Sales and Service pg. 35**  \_\_\_\_\_Marketing Communication  \_\_\_\_\_Merchandising  **Science, Technology, Engineering and Mathematics pg. 36**  \_\_\_\_ Science & Math  **Transportation, Distribution and Logistics pg. 37**  **­**\_\_\_\_ Automotive Technology  \_\_\_\_\_Collision Repair Technology  **Additional Programs of Studies pg. 38**  \_\_\_\_\_Humanities  \_\_\_\_\_Advanced Placement  \_\_\_\_\_Dual Enrollment |
| **Math – 4 Credits Minimum (must be 1 math per year)**  \_\_\_Algebra I  \_\_\_Geometry  \_\_\_Algebra II  \_\_\_Higher Math  \_\_Other |
| **Science – 3 Credits**  \_\_\_Biology  \_\_\_Chemistry or Physics  \_\_\_Additional Science |
| **Social Studies – 3 Credits**  \_\_\_World History or World Geography  \_\_\_U.S. History  \_\_\_Govt (1/2 credit)  \_\_\_ Econ (1/2 credit) |
| **Fine Art\*** (need 1credit) - **1 Credit**  \_\_\_Art  \_\_\_Band  \_\_\_Chorus  \_\_\_Theatre Arts  \_\_\_Dance |
| **Foreign Language - 2 credits\***  \_\_\_Spanish I            \_\_\_French I  \_\_\_Spanish II            \_\_\_French II  \*must be the same foreign language |
| **Miscellaneous - 2 credits**  \_\_\_\_1 Wellness  \_\_\_\_ ½ PE  \_\_\_\_ ½ Personal Finance |
| **Elective Credits - 6 credits** |
| **English 4 credits**  **Math- 1 a year, minimum 4 credits**  **Science 3 credits**  **Social Studies 3 credits**  **Fine Arts 1 credits**  **Foreign Language 2 credits**  **Miscellaneous 2 credits**  **Program of Studies 3 credits**  **Other Electives + 6 credits**  **28 required credits** |

*NOTE:* ***In exceptional circumstances, schools may waive the foreign language requirement for students who are not planning to attend the university to expand and enhance their elective focus*.** ***Students must meet with their counselor to get a waiver that must be signed by student and parent.***

**REGISTRATION WORKSHEET 2013-14—6 year Plan**

**Name**  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **E-mail** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_     **Grade (2013-14)** \_\_\_\_\_\_

**CHECK OFF THE COURSES YOU HAVE SUCCESSFULLY COMPLETED (or are passing at this time).**

|  |  |  |
| --- | --- | --- |
| *NOTE: Students must earn a minimum of 28 credits for graduation.* | | |
| **English**  \_\_\_English I  \_\_\_English II  \_\_\_English III  \_\_\_English IV | **Miscellaneous**  \_\_\_Wellness  \_\_\_1/2 PE  \_\_\_1/2 Personal Finance | **Career Cluster: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Program of Studies: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **REQUIRED COURSES:**  **1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[ ] Completed**  **2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[ ] Completed**  **3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[ ] Completed** |
| **Math (required each yr)**  \_\_\_Algebra I  \_\_\_Geometry  \_\_\_Algebra II  \_\_\_Higher Math | **Social Studies**  \_\_\_ World History or World Geography  \_\_\_U.S. History  \_\_\_Govt (1/2 credit)  \_\_\_ Econ (1/2 credit) |
| **Science**  \_\_\_Biology  \_\_\_Chemistry or Physics  \_\_\_Additional Science | **Fine Art\*** (need 1credit)  \_\_\_Art  \_\_\_Band  \_\_\_Chorus  \_\_\_Theatre Arts  **Foreign Language\* (need 2)**  \_\_\_Spanish I            \_\_\_French I  \_\_\_Spanish II           \_\_\_French II |
| \**Note: Fine Arts and Foreign Language requirement may be replaced by an additional Program of Study (3 credits) in limited circumstances for students not planning to attend college* |
| **CAREER CHOICE:** | | |
| **PLANS AFTER HIGH SCHOOL: ( ) 4-yr college**  **( ) 2-yr college \_\_\_Transfer \_\_\_Career/Tech**  **( ) Vocational/Technical School**  **( ) Work/On the job Training** | | |

**REGISTRATION 2013-14**

**YOU MUST CHOOSE 8 COURSES AND 4 ALTERNATES!**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **TOP  8 COURSE REQUESTS** | |  | **ALTERNATE COURSES**  **(In case your elective choices are full)** | |
|  | **Course Name** |  | **Course Name** |
| 1.  English |  |  | 1. |  |
| 2.  Math |  |  | 2. |  |
| 3.  Science |  |  | 3. |  |
| 4.  SS or Wellness |  |  | 4. |  |
| 5.  Program of Studies Class |  |  | **Carefully** select alternate courses based upon your Program of Studies & areas of personal/career interests. If your top 8 course selection cannot be worked into your schedule, all efforts will be made to assign an alternate course from this list. | |
| 6 |  |  |
| 7 |  |  |
| 8. |  |

Due to our in-depth registration process, schedule changes are extremely limited. (See page 6).

**YOU MUST BRING THIS COMPLETED FORM WITH YOU TO YOUR REGISTRATION SESSION.**

**(You may NOT be able to register if you come unprepared.)**

**Anderson County High School 2013-2014**

**Freshman Pre-Registration Worksheet and 6-year plan**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Phone (H) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Cell) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent Name(s) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student e-mail \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Parent e-mail \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Career Cluster: Program of Study:**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Career Choice: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Plans after High School: ( ) 4-year College/University**

**( ) 2-year Community College for: transfer to University ( )**

**OR**

**Career Technical Program ( )**

**( ) Vocational/Technical School**

**( ) Work/on the job training**

**( ) Military**

Core Classes:

**ENGLISH SCIENCE**

\_\_\_\_Freshman Studies H \_\_\_\_ Chemistry I H

\_\_\_\_English I Academy \*\* \_\_\_\_ Biology I H

\_\_\_\_English I Transition \_\_\_\_ Physical Science

\_\_\_\_English ERP \_\_\_\_ Ecology

**MATH** **HISTORY/OTHER**

\_\_\_\_Geometry H (must have completed Algebra I) \_\_\_\_World History

\_\_\_\_Academy Algebra I\*\* \_\_\_\_World Geography

\_\_\_\_Academy Algebra A \_\_\_\_Freshman Studies Personal Finance

\_\_\_\_Algebra A ERP **\_\_\_\_**Wellness (Must take Fr. Studies)

**\*\*Please note that Honors credit can be obtained in this course \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Electives - Number from **1-6 (#1 being your top choice) if you are in Academy**, and **1-8 if you are in Freshman Studies**. Please note that every effort will be made (but not guaranteed) to schedule you in 3 or 4 of your choices.  ***\*Refer to Career Pathways book for a Quick Guide to Freshman Electives***

**FINE ARTS TECHNICAL COURSES MISCELLANIOUS**

\_\_\_\_\_ Beginning Chorus \_\_\_\_ Principles of Agriculture \_\_\_\_ NJROTC

\_\_\_\_\_ Music Theory (Musical experience required) \_\_\_\_ Family and Consumer Science

\_\_\_\_\_Visual Art I \_\_\_\_ Principles of Machining

\_\_\_\_\_ Dance \_\_\_\_ Construction Core

\_\_\_\_\_ Theater Arts \_\_\_\_ Transportation Core

\_\_\_\_\_ Flags (Tryout for fall semester) \_\_\_\_ Principles of Welding

**\_\_\_\_\_** Instrumental Music (both semesters) **\_\_\_\_** Computer Applications

**\_\_\_\_** Engineering I (Project Lead the Way)

**ELECTIVE CHOICES FOR HONORS STUDENTS**

\_\_\_\_Health Science Education (Must be in Biology H) \_\_\_\_Creative Writing (Must take Fr. Studies)

\_\_\_\_French I (Must be rec. for English I H) \_\_\_\_ Mythology (Must take Fr. Studies)

\_\_\_\_Spanish I (Must be rec. for English I H) \_\_\_\_ Novels (Must take Fr. Studies)

\_\_\_\_Criminal Justice I (Must be rec. for English I H) \_\_\_\_ Film Criticism (Must take Fr. Studies)

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Health or Learning Concerns: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

Parent Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_ I have reviewed the Schedule Change policy on pg. 6 of the Career Pathways booklet.

Student initials