

## Health Science Academy 4 Year Plan Template

Freshman	Sophomore	Junior	Senior
English 9	English 10	English 11	English 12
World History	US History 1 Grade 10	US History 2 Grade 11	US Government / Economics
Geometry w/ Data (Required)	Algebra 1 w/ Prob (You can bypass if you had Adv. Math 7 & 8.)	Algebra 2 w/ Stats (Required)	4th Core Math
Biology	Chemistry	Human Body Structures - 2nd Required in Sequence <i>(This can count as a science credit.)</i>	4th Core Science Course - See suggestions below.
Elective Choice	Foundations of Health Science - 1st Required in Sequence <i>(This can count in place of health.)</i>	Elective Choice	Health Science Internship - 3rd in Sequence
Beginning Kinesiology PE	World Language #2 <i>(Optional: Out of state colleges often require two levels. This can be taken any year.)</i>	Elective Choice	Health Science Internship
Career Prep	Elective Choice	Elective Choice	Elective Choice
World Language #1 <i>(Optional: Alabama 4 year colleges require at least one level. This can be taken any year.)</i>	Elective Choice	Elective Choice	Elective Choice

**Optional Electives that Would Be Beneficial:** Psychology or AP psychology, education and training, sociology, CTE Lab In Health Science (Medical Seminar) - *seniors only course*, Intro to Pharmacy - *seniors only course*, Madison Ambassador Program (*interview selection - seniors only*)

**Optional Core Courses:** Molecular biology + AP Biology, AP Environmental Science, Precalculus, Calculus A PreAP/Honors, Calculus BC AP

## Biomedical Academy 4 Year Plan Template

Freshman	Sophomore	Junior	Senior
English 9	English 10	English 11	English 12
World History	US History 1 Grade 10	US History 2 Grade 11	US Government / Economics
Geometry w/ Data (Required)	Algebra 1 w/ Prob (You can bypass if you had Adv. Math 7 & 8.)	Algebra 2 w/ Stats (Required)	4th Core Math
Biology	Chemistry	Medical Interventions - <i>3rd in sequence</i>	4th Core Science Course
Principles of Biomedical Science - <i>1st in sequence</i>	Human Body Systems - <i>2nd in sequence</i> <i>(This can count as a science credit. This can be taken in 10th or 11th.)</i>	Elective Choice	Biomedical Innovations Internship
Beginning Kinesiology PE	World Language #2 <i>(Optional: This can be taken any year.)</i>	Elective Choice	Biomedical Innovations Internship
Career Prep	Health / Choice ½ Credit	Elective Choice	Elective Choice
World Language #1 <i>(Optional: This can be taken any year.)</i>	Elective Choice	Elective Choice	Elective Choice

**Optional Electives that Would Be Beneficial:** Psychology or AP psychology, CTE Lab In Health Science (aka Medical Seminar)- *seniors only course*, Intro to Pharmacy - *seniors only course*, *Madison Ambassadors' Program (interview application process - seniors only)*

**Optional Core Courses:** Molecular biology + AP Biology, AP Environmental Science, Precalculus, Calculus A PreAP/Honors, Calculus BC AP

## Engineering Academy 4 Year Plan Template

Freshman	Sophomore	Junior	Senior
English 9	English 10	English 11	English 12
World History	US History 1 Grade 10	US History 2 Grade 11	US Government / Economics
Geometry w/ Data (Required)	Algebra 1 w/ Prob (You can bypass if you had Adv. Math 7 & 8.)	Algebra 2 w/ Stats (Required)	4th Core Math
Biology	Chemistry	3rd Core Science: Physics or AP Physics 1 are good optional choices.	4th Core Science: AP Physics C: Mechanics is a good optional choice
Introduction to Engineering <i>#1 in Sequence</i>	Principles of Engineering <i>#2 in Sequence</i>	Aerospace or Digital Electronics - Optional	Engineering Research & Design Internship - <i>seniors only course</i>
Beginning Kinesiology PE	World Language #2 ( <i>This can be taken any year.</i> )	Elective Choice	Engineering Research & Design Internship - <i>seniors only course</i>
Career Prep	Health / Choice ½ Credit	Elective Choice	Elective Choice
World Language #1 ( <i>This can be taken any year.</i> )	Elective Choice	Elective Choice	Elective Choice

**Optional Electives that Would Be Beneficial:** Aerospace Engineering, Digital Electronics, CTE Lab in STEM Advanced Manufacturing & Machining, Visual Art Courses

NCCER Construction courses - Construction Foundations, Construction Layout Site Prep, Construction Framing, Construction Finishing, Carpentry, Dual Enrollment tech courses (Welding, etc.), Alabama Craft Training courses (interview application process - juniors & seniors), Madison City Welding (listed as CTE Lab in Architecture & Career Pathway Project in Architecture)

Optional Core Courses: Precalculus, Calculus A PreAP/Honors, Calculus BC Advanced Placement, Physics or Physics 1 AP, Physics C: Mechanics AP

## Computer Science 4 Year Plan Template

Freshman	Sophomore	Junior	Senior
English 9	English 10	English 11	English 12
World History	US History 1 Grade 10	US History 2 Grade 11	US Government / Economics
Geometry w/ Data (Required)	Algebra 1 w/ Prob (You can bypass if you had Adv. Math 7 & 8.)	Algebra 2 w/ Stats (Required)	4th Core Math
Biology	Chemistry	3rd Core Science	4th Core Science
IT Fundamentals - <i>1st in sequence</i>	AP Cybersecurity 1- <i>2nd in Sequence</i>	AP Cybersecurity 2 - <i>3rd in sequence</i>	Cybersecurity 3 Honors
Beginning Kinesiology PE	World Language #2 ( <i>This can be taken any year.</i> )	Elective Choice	Elective Choice
Career Prep	Health / Choice ½ Credit	Elective Choice	Elective Choice
World Language #1 ( <i>This can be taken any year.</i> )	Elective Choice	Elective Choice	Elective Choice

**Optional Electives that Would Be Beneficial:** Sometimes our cybersecurity students also enjoy computer programming courses such as Programming Foundations, Object Oriented Programming, and CTE Lab in IT (digital video game development), AP Computer Science Principles

*Optional Core Courses:* Precalculus

## Programming & Software Development - Computer Science Academy - 4 Year Plan Template

Freshman	Sophomore	Junior	Senior
English 9	English 10	English 11	English 12
World History	US History 1 Grade 10	US History 2 Grade 11	US Government / Economics
Geometry w/ Data (Required)	Algebra 1 w/ Prob (You can bypass if you had Adv. Math 7 & 8.)	Algebra 2 w/ Stats (Required)	4th Core Math
Biology	Chemistry	3rd Core Science	4th Core Science
Programming Foundations - <i>1st in sequence</i>	Object Oriented Programming C++ <i>2nd in Sequence</i>	AP Computer Science A	<i>Senior Career Pathway Project (Internship)</i>
Beginning Kinesiology PE	World Language #2 <i>(This can be taken any year.)</i>	Elective Choice	<i>Senior Career Pathway Project (Internship)</i>
Career Prep	Health / Choice ½ Credit	Elective Choice	Elective Choice
World Language #1 <i>(This can be taken any year.)</i>	Elective Choice	Elective Choice	Elective Choice

**Optional Electives that Would Be Beneficial:** CTE Lab IT - Digital Video Game Development, AP Computer Science Principles

**Optional Core Courses:** Precalculus

## Sales & Marketing Business Academy 4 Year Plan Template

Freshman	Sophomore	Junior	Senior
English 9	English 10	English 11	English 12
World History	US History 1 Grade 10	US History 2 Grade 11	US Government / Economics
Geometry w/ Data (Required)	Algebra 1 w/ Prob (You can bypass if you had Adv. Math 7 & 8.)	Algebra 2 w/ Stats (Required)	4th Core Math
Biology	Chemistry	3rd Core Science	4th Core Science
Business Software Applications or Adv Business Software Apps (BSA)	Marketing Principles	Sports & Entertainment Marketing	
Beginning Kinesiology PE	World Language #2 (This can be taken any year.)	Elective Choice	
Career Prep	Health / Choice ½ Credit	Elective Choice	Elective Choice
World Language #1 (This can be taken any year.)	Elective Choice	Elective Choice	Elective Choice

**Optional Electives that Would Be Beneficial:** Some of our business majors enjoy other business courses such as CTE Lab in BMA which is also known as CEO, accounting, media production foundations

**Optional Core Classes:** AP Statistics

## Finance Academy 4 Year Plan Template

Freshman	Sophomore	Junior	Senior
English 9	English 10	English 11	English 12
World History	US History 1 Grade 10	US History 2 Grade 11	US Government / Economics
Geometry w/ Data (Required)	Algebra 1 w/ Prob (You can bypass if you had Adv. Math 7 & 8.)	Algebra 2 w/ Stats (Required)	4th Core Math
Biology	Chemistry	3rd Core Science	4th Core Science
Business Technology Applications (BTA)	Personal Finance	Accounting	
Beginning Kinesiology PE	World Language #2 (This can be taken any year.)	Elective Choice	
Career Prep	Health / Choice ½ Credit	Elective Choice	Elective Choice
World Language #1 (This can be taken any year.)	Elective Choice	Elective Choice	Elective Choice

**Optional Electives that Would Be Beneficial:** Sometimes our finance majors like to take other business related courses such as marketing principles, sports marketing, or CTE Lab in BMA - CEO Creating Entrepreneurial Opportunities.

**Optional Core Courses:** Precalculus or AP Statistics

## Family & Consumer Science - Human Services 4 Year Plan Template

Freshman	Sophomore	Junior	Senior
English 9	English 10	English 11	English 12
World History	US History 1 Grade 10	US History 2 Grade 11	US Government / Economics
Geometry w/ Data (Required)	Algebra 1 w/ Prob (You can bypass if you had Adv. Math 7 & 8.)	Algebra 2 w/ Stats (Required)	4th Core Math
Biology	Chemistry	Family Financial Planning	4th Core Science Course - See suggestions below.
Family and Consumer Science (FACS)	Nutrition and Food	Elective Choice	Elective Choice
Beginning Kinesiology PE	World Language #2 <i>(Optional: Out of state colleges often require two levels. This can be taken any year.)</i>	Elective Choice	Elective choice
Career Prep	Elective Choice	Elective Choice	Elective Choice
World Language #1 <i>(Optional: Alabama 4 year colleges require at least one level. This can be taken any year.)</i>	Elective Choice	Elective Choice	Elective Choice

**Optional Electives that Would Be Beneficial:** Psychology or AP psychology, education foundations, fashion classes



## Education Academy Classes - Four Year Template

Freshman	Sophomore	Junior	Senior
English 9	English 10	English 11	English 12
World History	US History 1 Grade 10	US History 2 Grade 11	US Government / Economics
Geometry w/ Data (Required)	Algebra 1 w/ Prob (You can bypass if you had Adv. Math 7 & 8.)	Algebra 2 w/ Stats (Required)	4th Core Math
Biology	Chemistry	3rd Core Science	4th Core Science
Education Foundations	Practices in Education	Methods in Education	Education and Training Internship
Beginning Kinesiology PE	World Language #2 (This can be taken any year.)	Elective Choice	<i>Education and Training Internship</i>
Career Prep	Health / Choice ½ Credit	Elective Choice	Elective Choice
World Language #1 (This can be taken any year.)	Elective Choice	Elective Choice	Elective Choice

**Optional Electives that Would Be Beneficial:** psychology or AP psychology, sociology, Business Software Apps, Media Foundations, Family and Consumer Science

## Fashion - Human Services Academy 4 Year Plan Template

Freshman	Sophomore	Junior	Senior
English 9	English 10	English 11	English 12
World History	US History 1 Grade 10	US History 2 Grade 11	US Government / Economics
Geometry w/ Data (Required)	Algebra 1 w/ Prob (You can bypass if you had Adv. Math 7 & 8.)	Algebra 2 w/ Stats (Required)	4th Core Math
Biology	Chemistry	3rd Core Science	4th Core Science
Family & Consumer Science	Fashion Fundamentals	Fashion Design	<i>Fashion Merchandizing</i>
Beginning Kinesiology PE	World #2 ( <i>This can be taken any year.</i> )	Elective Choice	<i>Elective Choice</i>
Career Prep	Health / Choice ½ Credit	Elective Choice	Elective Choice
World Language #1 ( <i>This can be taken any year.</i> )	Elective Choice	Elective Choice	Elective Choice

**Optional Electives that Would Be Beneficial:** Visual Arts ( Levels 1, 2, 3,4, AP Art studio), Technical Theater classes, Media Production, Marketing Principles

If you enjoy art and fashion type classes, you might be interested in taking cosmetology (hair, nails, etc.) classes through dual enrollment at Drake State. Simply write dual enrollment in two blocks junior and/or senior year(s).

## A/V Technology - Communication Academy 4 Year Plan Template

Freshman	Sophomore	Junior	Senior
English 9	English 10	English 11	English 12
World History	US History 1 Grade 10	US History 2 Grade 11	US Government / Economics
Geometry w/ Data (Required)	Algebra 1 w/ Prob (You can bypass if you had Adv. Math 7 & 8.)	Algebra 2 w/ Stats (Required)	4th Core Math
Biology	Chemistry	3rd Core Science	4th Core Science
Media Production Foundations	Film 1 or Broadcasting 1	Film 2 or Broadcasting 2	CTE in Audio Visual - Internship Fall
Beginning Kinesiology PE (This can be taken any year.)	World Language #2 (This can be taken any year.)	Elective Choice	Career Pathway Project in Audio Visual - Internship Fall
Career Prep (This can be taken any year.)	Health / Choice ½ Credit	Elective Choice	CTE Lab in Audio Visual - Internship Spring (You participate in one or both)
World Language #1 (This can be taken any year.)	Elective Choice	Elective Choice	CTE lab in Audio Visual Internship Spring (You can participate in one or both)

**Optional Electives that Would Be Beneficial:** Business Marketing, Business Technology Applications (BTA)

## Building Construction Academy 4 Year Plan Template

Freshman	Sophomore	Junior	Senior
English 9	English 10	English 11	English 12
World History	US History 1 Grade 10	US History 2 Grade 11	US Government / Economics
Geometry w/ Data (Required)	Algebra 1 w/ Prob (You can bypass if you had Adv. Math 7 & 8.)	Algebra 2 w/ Stats (Required)	4th Core Math
Biology	Chemistry	3rd Core Science	4th Core Science
Construction Foundations	Construction Layout Site Prep	Construction Framing	Senior Career Pathway Project Building and Construction
Beginning Kinesiology PE (This can be taken any year.)	Health / Choice ½ Credit	Construction Finishing	Senior Career Pathway Project Building and Construction
Career Prep (This can be taken any year.)	Elective Choice	Elective Choice	Elective Choice
World Language #1 (This can be taken any year.)	Elective Choice	Elective Choice	Elective Choice

**Optional Electives that Would Be Beneficial:** Madison City Welding (CTE Lab in Construction and Career Pathway in Construction) , Visual Arts, Introduction to Engineering

If you love hands-on type work, you might like one of our dual enrollment with welding or automotive at Calhoun or Drake State. Classes in electrical, welding, construction, and HVAC are available at the Alabama Craft Academy. Simply write dual enrollment in two blocks. This opportunity is available junior and senior years.

## ARMY / ROTC 4 Year Plan Template

Freshman	Sophomore	Junior	Senior
English 9	English 10	English 11	English 12
World History	US History 1 Grade 10	US History 2 Grade 11	US Government / Economics
Geometry w/ Data (Required)	Algebra 1 w/ Prob (You can bypass if you had Adv. Math 7 & 8.)	Algebra 2 w/ Stats (Required)	4th Core Math
Biology	Chemistry	3rd Core Science	4th Core Science
ROTC Leadership 1A	ROTC 2a	ROTC 3a	ROTC 4a
ROTC 1B - This counts as a PE credit.	ROTC 2b	ROTC 3b	ROTC 4b
Elective Choice	Health / Choice ½ Credit	Elective Choice	Elective Choice
World Language #1 (This can be taken any year.)	Elective Choice	Elective Choice	Elective Choice

**Optional Electives that Would Be Beneficial:** Landscape Design, Visual Arts, Introduction to Engineering, Architecture & Construction Foundations

If you love hands-on type work, you might like one of our dual enrollment with welding or automotive. Simply write dual enrollment in two blocks. This opportunity is available junior and senior years. (Dual Enrollment or North Alabama Craft Academy)

## Seal of Biliteracy 4 Year Plan Template

Freshman	Sophomore	Junior	Senior
English 9	English 10	English 11	English 12
World History	US History 1 Grade 10	US History 2 Grade 11	US Government / Economics
Geometry w/ Data (Required)	Algebra 1 w/ Prob (You can bypass if you had Adv. Math 7 & 8.)	Algebra 2 w/ Stats (Required)	4th Core Math
Biology	Chemistry	3rd Core Science	4th Core Science
World Language Level 1	World Language Level 2	World Language Level 3	<i>AP World Language ( Not required for the Seal of Biliteracy but is an option if you want an opportunity of college credit.)</i>
Elective Choice	Elective Choice	World Language Level 4	<i>Elective Choice</i>
Elective Choice - Career Prep is a good option.	Health / Choice ½ Credit	Elective Choice	Elective Choice
Elective Choice - Beginning Kinesiology is a good option. (Marching Band, Athletic PE, and ROTC Level 1b can all count as PE)	Elective Choice	Elective Choice	Elective Choice

### See your world language teacher for more information on the Seal of Biliteracy and the test involved.

- ❖ Typically, students who do well on the test take at least 3-4 levels of a world language. If you would like to pursue college credit, you might want to consider taking the Advanced Placement course in the world language of your choice
- ❖ Languages Offered: Latin, French, German, and Spanish

## Dual Enrollment for Trade Certification and/ or North Alabama Builders Academy Template

Freshman	Sophomore	Junior	Senior
English 9	English 10	English 11	English 12
World History	US History 1 Grade 10	US History 2 Grade 11	US Government / Economics
Geometry w/ Data (Required)	Algebra 1 w/ Prob (You can bypass if you had Adv. Math 7 & 8.)	Algebra 2 w/ Stats (Required)	4th Core Math
Biology	Chemistry	3rd Core Science	4th Core Science
<i>Elective Choice</i>	Elective Choice	Dual Enrollment Fall	<i>Dual Enrollment - Fall</i>
Elective Choice	Elective Choice	Dual Enrollment Fall	<i>Dual Enrollment - Fall</i>
Elective Choice - Career Prep is a good option. ROTC Level 1 can count as career prep.	Health / Choice ½ Credit	Dual Enrollment - Spring	Dual Enrollment - Spring
Elective Choice - Beginning Kinesiology is a good option. (Marching Band, Athletic PE, and ROTC Level 1b can all count as PE)	Elective Choice	Dual Enrollment - Spring	Dual Enrollment - Spring

### Certifications Available Through Dual Enrollment

Technical Trade Certifications at Calhoun - Automotive, Drafting, Welding, Emergency Medical Services, Dental Hygienist plus others

Technical Trade Certifications at Drake State - Cosmetology, Automotive, plus others

North Alabama Craft Academy (located in Decatur) - HVAC, Construction, Electrical, Welding

### Important to Note:

- ❖ You must have your own form of transportation.
- ❖ Students can simply do one semester, two, etc. You are not locked into having to do four semesters of dual enrolment. Your choice.
- ❖ At the moment, Workforce Scholarship funds through Calhoun and Drake State are available through their schools for dual enrollment students pursuing **technical trade classes only**. This would not include classes such as English, history, math, etc.
- ❖ You can earn a CRI credential needed for graduation through completing and passing a dual enrollment course.