

FLOWERY BRANCH  
HIGH SCHOOL

HOME OF THE  
FALCONS



2020-2021

HALL COUNTY SCHOOLS



# High School Planning Guide

Courses Programs Pathways

Unique Opportunities for a Head  
Start on **YOUR** Career Path!



**CONNECT**

**EXPLORE**

**ACHIEVE**

**ARE YOU ON THE  
CORRECT CAREER PATH?**

The Hall County School District is committed to ensuring that all students graduate both college and career ready.

# Hall County Schools



**Program of Choice:** LEGACY Program

**Career Technology Programs:** Criminal Justice with Forensics, Engineering, Health Science, Information Technology, Marketing, and Metals Technology



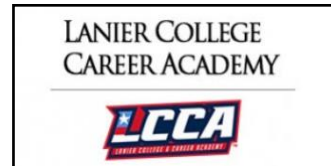
**Program of Choice:** Johnson International Scholars Academy (JISA) and International Baccalaureate (IB) Diploma Program

**Career Technology Programs:** Audio-Video Technology, Business, Construction, Education & Training, Family Consumer Science, Graphic Arts, Health Science, and Information Technology



**Program of Choice:** Renaissance Academy for Creative Enterprises (RACE) and the AP Capstone Program

**Career Technology Programs:** Audio-Video Technology, Automotive, Construction, Graphic Arts, Health Science, Information Technology, and Marketing



**Program of Choice:** Part-time CTAE Pathways, Full-time Specialized Career-Ready Programs of Choice and Dual Enrollment Opportunities

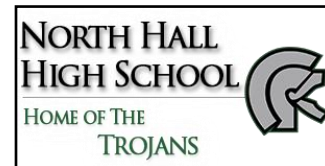
**Career Technology Programs:** Agriculture Mechanics, Cosmetology, Culinary Arts, Hospitality & Tourism, and HVAC

**Dual Enrollment Certificates:** Criminal Justice, Early Childhood, Esthetics, Food Production Worker, Industrial Electrician, Pharmacy, Prep Cook, and Welding



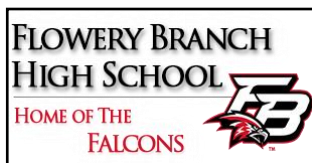
**Program of Choice:** Endless Possibilities in Creativity and Collaboration (EpiCC) Academy and Navy Junior ROTC Program

**Career Technology Programs:** Agriculture/Horticulture, Business, Graphic Arts, Health Science, Navy ROTC, and Transportation



**Program of Choice:** Atlas Academy, International Baccalaureate (IB) Diploma Program and STEM (Science, Technology, Engineering, and Mathematics) Academy

**Career Technology Programs:** Agriculture, Business, Education & Training, Engineering, Family Consumer Science, Health Science, Information Technology, Marketing, and Metals Technology



**Program of Choice:** STEAM (Science, Technology, Engineering, Arts and Mathematics) Academy

**Career Technology Programs:** Business, Education & Training, Engineering, Family Consumer Science, Graphic Arts, Health Science, Information Technology, Marketing, and Metals Technology



**Program of Choice:** Innovation Institute (i2), World Scholars, International Baccalaureate (IB) Diploma Programme and International Baccalaureate (IB) Career Related Programme

**Career Technology Programs:** Audio-Video Technology, Construction, Education & Training, Graphic Arts, Health Science, Manufacturing, and Marketing



**Character, Competency, Rigor...For All** is the mission of Hall County Schools. With foundational philosophies of continuous improvement and leading by example, we commit to utilize all of our abilities to accomplish the task before us. Additionally, it will take our entire community, working together to fully develop our most precious resource, the students of Hall County Schools. We believe our role is to fully support local families on this most important journey. In these unprecedented and exciting times, I encourage our students and their families to fully explore all of the opportunities our high school programs provide. As always, feel free to contact us with questions or ideas for improvement.

**Will Schofield**  
Superintendent

## Purpose of this Guide

The purpose of this course catalog is to help you and your parents develop an understanding of the high school program and course offerings at Hall County High Schools during the upcoming school year.

It is the goal of our schools to offer a challenging academic program for every student. Society demands that young adults be well prepared academically if they are to function as successful citizens of the community. The decisions you make today will affect you for the rest of your life. You must select those courses which challenge and prepare you to live in a modern technological society.

Students who plan to attend college should select the most rigorous courses available. Doing so will place them in position to be successful at the post-secondary level. Please examine all the requirements of potential colleges and universities of your choice. Consider taking Advanced Placement, International Baccalaureate and Dual Enrollment college classes if at all possible. These classes are most heavily weighted for G.P.A. and are highly regarded by college admissions officers. Regardless of your individual choice of college, technical training, certification, military training or immersion in the workforce, all students should develop a six-year plan that includes high school and at least two additional years of study or training. Consider your strengths, interests, goals, and aspirations as you prepare for this most important and significant part of your life.

All students are encouraged to familiarize themselves with all aspects of this course description guide. When selecting high school courses of study, we ask students, in consultation with their parents, to consider their career, academic and extra-curricular interests. Your teachers, principals, counselors, district administrators, and Board of Education are ready to assist and provide you with the guidance necessary to help you plan your secondary and post-secondary studies.

## Using the Six-Year Plan

All students should develop a six-year graduation plan that begins with grade eight and ends after one year of post-secondary education. The plan should take into consideration the graduation requirements, the student's career interests and post-high school plans, as well as the student's abilities and interests. We encourage students and parents to read this guide carefully and develop an appropriate plan of courses.

When creating the six-year plan, students should gather results of their most recent career interest inventories, or at least an interest inventory that has been completed in the past two years. Students should then attend advisement sessions to learn more about graduation requirements and course sequence options required for a high school diploma. Parents should also attend information sessions offered by counselors and other advisors at the school. Current teachers should be consulted for their recommendations concerning course selection and readiness for the most rigorous courses available. Finally, while high school counselors, teachers and advisors will assist with this planning, the final decisions in requesting courses are reserved for students and parents.

Every effort is made to present accurate and current information; however, Georgia law, Georgia Department of Education guidelines, local policy or other critical information may need to be added, omitted, or changed. Hall County Schools reserves the right to amend any and all information contained herein at any time deemed appropriate. Addendums will be distributed through the school counseling department.

# Hall County Schools

## Graduation Requirements for Students

Shown below are Georgia's High School Graduation requirements. All requirements must be met to earn a High School Diploma. A course shall count only once for satisfying any credit required for graduation. Selected course substitutions have been approved by the Georgia State Board of Education. See your counselor to determine if course substitutions are appropriate for your plan of study.

<u>Graduation Requirements</u>	<b>Students Entering High School in August 2012 or Later</b>
<b>English/ Language Arts</b>	<b>4 units</b> Must include 9 <sup>th</sup> Grade Literature & American Literature
<b>Social Studies</b>	<b>3 Units</b> Must include World History, US History, Government, and Economics
<b>Mathematics</b>	<b>4 Units</b> Must include GSE Coordinate Algebra, GSE Analytic Geometry, and GSE Advanced Algebra PLUS one additional GSE/AP/IB/DE Math course  OR  GSE Accelerated Coordinate Algebra/Analytic Geometry A, GSE Accelerated Analytic Geometry B/Advanced Algebra, GSE Precalculus PLUS one additional GSE/AP/IB/DE Math Course
<b>Science</b>	<b>4 Units</b> Must include Physical Science or Physics; Biology; Chemistry, Earth Systems, Environmental Science or AP/IB courses PLUS one additional Science course
<b>Health &amp; Personal Fitness</b>	<b>1 Unit</b> Must include ½ unit of each
<b>Modern Languages</b>	<b>3 Units (any combination)</b>  *Students planning to attend most post-secondary institutions must take two units of the same modern language.
<b>Career, Technical and Agriculture Education (CTAE)</b>	
<b>Fine Arts, CTAE, and /or Modern Languages</b>	
<b>Electives</b>	<b>4 Units</b>
<b>Total Units Required</b>	<b>23 Units</b>

NOTE: Beginning in school year 2013-2014, Georgia State Board Rule 160-5-1-.15 allows students to earn course credit in high school courses for which there is an associated Milestones End of Course Test. Students may demonstrate subject area competency and earn course credit by scoring "Distinguished Learner" on the EOC Test. This process for earning course credit is identified as "testing-out." Students may not be enrolled in or previously enrolled in the course in which the "Test-Out" is attempted. A test fee is required. Contact the school counselor to learn more about the "Test-Out" requirements.

## GRADUATION PLAN

The Six-Year Plan takes into consideration your academic abilities, career goals, interests, and plans for additional education beyond high school. The purpose of the plan is to familiarize you with graduation requirements and to get you thinking about life after high school . . . what you want to do with your future, where you want to go, and what you need to do in high school to make it happen. Each spring, you will register for classes for the next year. Your teachers will advise you about a recommended course selection and level of difficulty based on your prior academic performance. As a result, your initial plan might change with future registrations. While teachers, counselors, advisors, and administrators will make every effort to give you the best advice, ultimately, you are responsible for taking the correct courses for graduation. Make sure your parents know your plans and keep them updated on your progress toward meeting requirements for graduation. Talk to your counselor or advisor if you have any questions. The following list of required courses and course sequence may be modified to accommodate special circumstances. However, the majority of students will adhere to the course sequences listed below. Unless noted, you would take a full year (1 credit) of the designated course.

### Career Clusters/Pathways

Georgia students will choose a Career Cluster/Pathway. Under this model, you – with the help of parents, teachers and guidance counselors – will choose a Pathway in one of 17 Career Clusters, and/or in the areas of Advanced Academics, World Language, or Fine Arts. You can select your Pathway based on what you want to do after graduation and take a core set of classes and electives based on your chosen field. You have the freedom to switch Pathways or Clusters if you discover a particular area is not your passion. You can choose Pathways that lead to two-year, four-year, or technical colleges, or directly into a career of your choice.

*The Six-Year Plan Worksheet is found on the following page.*



#### Language Arts – 4 units

- 9<sup>th</sup> Grade Literature and Composition\*
- American Literature/Composition\*
- Multicultural Literature/World Literature/  
British Literature
- AP/IB/DE ELA courses



#### Social Studies – 3 units

- World History\*
- US History\*
- American Government (1/2 unit)\*
- Economics (1/2 unit)\*



#### Mathematics – 4 units

- Coordinate Algebra\*
- Analytic Geometry\*
- Advanced Algebra
- PreCalculus/Calculus/  
Advanced Mathematical Decision  
Making/Statistics/AP/IB/DE Courses



#### Health and Physical Education – 1 unit

- Personal Fitness (1/2 unit)\* and
- Health (1/2 unit)\* or JROTC (3 units)



#### CTAE, Fine Arts, Modern Language – 3 units

- Any CTAE, Fine Arts or Modern Language  
courses may be selected  
*CTAE – Career Technical & Agricultural Education*



#### Science – 4 units

- Biology\*
- Physical Science or Physics\*
- Chemistry, Earth Systems or  
Environmental Science
- Other Physical or Life Science Courses  
Or AP/IB/DE Courses



#### Additional Required Electives – 4 units

- Any combination of courses may be  
selected.



**\*Required courses for graduation**

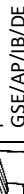

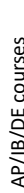
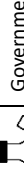






### Entering High School in 2012 or Later

Student \_\_\_\_\_ Student Number \_\_\_\_\_

Teacher/Advisor \_\_\_\_\_ Academic &/or Career/Technical Education Pathway \_\_\_\_\_

Student Signature \_\_\_\_\_ Date Plan Completed \_\_\_\_\_

Students are **required** to earn 23 Carnegie units in order to receive a regular high school diploma.

Subject	English Language Arts – ELA	Math – MA	Science – SC	Social Studies – SS	Health & Physical Education - HPE	CTAE, Fine Arts, Modern Language	Electives	Total
Credits Required	4 units – must include 9 <sup>th</sup> Grade Literature & American Literature 	4 units – must include Coordinate Algebra, Analytic Geometry, Advanced Algebra plus one additional GSE/AP/IB/DE course 	4 units – must include Physical Science or Physics, Biology, Chemistry, Earth Systems, Environmental Science or AP/IB/DE courses 	3 units – must include World History, US History, Economics & Government 	1 unit – must include ½ unit of Health and ½ unit of Personal Fitness 	3 units – any combination; two units of Modern Language required for post-secondary institutions  	4 units   	<b>23 Units</b>

## MY CHOICES

8 <sup>th</sup> Grade	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade	Post-Secondary
Record Carnegie unit courses earned	For promotion to 10 <sup>th</sup> grade: <b>6 credits</b>	For promotion to 11 <sup>th</sup> grade: <b>12 credits*</b> *2 Core English, Math, Science plus 1 Core Social Studies	For promotion to 12 <sup>th</sup> grade: <b>18 credits**</b> **2 Core English, Science, Social Studies plus 3 Core Math and a planned program to graduate	<b>23 credits</b> required in order to receive a high school diploma (refer to chart above).	Record courses taken and earned through Dual Enrollment.
ELA _____	ELA _____	ELA _____	ELA _____	ELA _____	ELA _____
MA _____	MA _____	MA _____	MA _____	MA _____	MA _____
SC _____	SC _____	SC _____	SC _____	SC _____	SC _____
SS _____	SS _____	SS _____	SS _____	SS _____	SS _____
HPE _____	HPE _____	HPE _____	HPE _____	HPE _____	HPE _____
CTAE _____	CTAE _____	CTAE _____	CTAE _____	CTAE _____	CTAE _____
or _____	or _____	or _____	or _____	or _____	or _____
FA _____	FA _____	FA _____	FA _____	FA _____	FA _____
or _____	or _____	or _____	or _____	or _____	or _____
ML _____	ML _____	ML _____	ML _____	ML _____	ML _____



## Hall County Schools

### Frequently Asked Questions

#### What is a Program of Choice?

Hall County School District currently has a variety of choice programs at the high school level.



Programs of Choice are designed to match students with clearly defined strengths, interests, abilities, and goals with specialized programming options that focus on those traits. Interested students submit applications, and the most highly qualified students are invited to participate in the Program of Choice.

- Leadership, Experience, Grit, Achievement, Character, and Youth-led acts of service (LEGACY) Program at Cherokee Bluff High School
- Renaissance Academy for Creative Enterprises (RACE) and AP Capstone at Chestatee High School
- Endless Possibilities in Creativity and Collaboration (EPiCC) Academy and Navy ROTC at East Hall High School
- Science, Technology, Engineering, Arts and Math (STEAM) at Flowery Branch High School
- Johnson International Scholars Academy (JISA) and International Baccalaureate (IB) at Johnson High School
- ATLAS and STEM Academies and International Baccalaureate (IB) at North Hall High School
- Innovation Institute (i<sup>2</sup>), World Scholars Program (WSP), and International Baccalaureate (IB) at West Hall High School
- The Honors Mentorship Program (HMP) is a district-wide program for high-achieving 11<sup>th</sup> and 12<sup>th</sup> grade students who desire a challenging career internship experience
- Howard E. Ivester Early College is available to all Hall County High School students accepted into Lanier Tech, University of North Georgia, and/or Brenau University
- Lanier College Career Academy (LCCA) provides specialized work ready career pathways and post-secondary education opportunities to students from all high schools

#### What are “levels” of academic classes?

**Level 1 - Classes:** These courses are designed for students who perform at grade level. Classes are designed for students who may be college-bound or who may enter the workforce directly after high school. Students interested in attending “selective” colleges/universities should strongly consider enrolling in Level 2 or 3 courses to demonstrate the ability to achieve in courses with increased rigor.

**Level 2 - Honors/Accelerated Classes/Dual Enrollment Non-Core:** These classes differ from Level 1 courses in at least three important ways:

- The objectives to be achieved tend to be more complex and are to be accomplished at a more rapid pace.
- In-class activities and assignments require a greater complexity of thought, a greater degree of independent inquiry, and a greater degree of sophistication in writing, research, and problem solving skills.
- Course materials tend to be more demanding.

Dual Enrollment Non-Core include courses in departments other than English, Mathematics, Science, Social Studies and Modern Language.

#### **Level 3 – Advanced Placement/International Baccalaureate/ Dual Enrollment Core:**

The Advanced Placement (AP) curriculum is defined by The College Board and is designed to prepare students for The College Board AP exams. AP courses are college-level courses. Students who achieve set scores on AP exams may earn college credit.

There are three International Baccalaureate (IB) World Schools in Hall County Schools: Johnson High School, North Hall High School, and West Hall High School. All three IB high schools are schools of choice with a competitive application process. IB World Schools share a common philosophy – a commitment to a high quality, challenging international education. Students who achieve set scores on IB exams may earn college credit.

Dual Enrollment courses are college/university/technical courses taken at the post-secondary campus, the Ivester Early College campus, Lanier College and Career Academy campus, or online following acceptance to the post-secondary institution. Dual Enrollment core courses include all English, Math, Science, Social Studies and Modern Language courses.

#### How can levels of academic classes affect my GPA (Grade Point Average)?

The quality point system is used to determine the weighted and unweighted GPA (traditional 4.0 scale). The weighted quality point system is used to recognize and reward the student who takes more rigorous, challenging, and demanding courses. Additional quality points are awarded to the weighted GPA for International Baccalaureate, Advanced Placement, Dual Enrollment, Honors

and Accelerated courses. For each course, up to one full quality point is added to the student's grade point average calculation and will be reflected in the weighted GPA on the student's transcript. The weighted GPA is used to determine class rank.

The unweighted GPA (traditional 4.0 scale) reflects a calculation for which no additional quality points are included for Level 2 and/or Level 3 classes. All courses taken count equally in the unweighted GPA calculation in which Level 1 weights are applied.

### **Calculation of Course Average**

The course grade is a cumulative average of all graded work completed during the course. Final exams or state-required Milestones End-Of-Course tests (EOCs) count as 20% of the course grade with other graded work accounting for 80% of the grade. Carnegie units will be awarded based upon course grades at the end of the course.

### **Conversion of Final Numeric Grade to Quality Points**

Final Numeric Course Grade	LEVEL 3	LEVEL 2	LEVEL 1
	AP/IB/ DE Core	Honors/ Accelerated/ MOWR Non-Core	All other courses
95 – 100	5.0	4.5	4.0
90 – 94	4.5	4.0	4.0
85 – 89	4.0	3.5	3.0
80 – 84	3.5	3.0	3.0
75 – 79	3.0	2.5	2.0
70 – 74	2.5	2.0	2.0
BELOW 70	0	0	0

NOTE: AP = Advanced Placement, IB = International Baccalaureate, DE = Dual Enrollment

### **What is the “Test-Out” option?**

Beginning in school year 2013-2014, Georgia State Board Rule 160-5-1-.15 allows students to earn course credit in high school courses for which there is an associated Milestone End of Course Test. Students may demonstrate subject area competency and earn course credit by scoring “Distinguished Learner” on the EOC Test. This process for earning course credit is identified as “testing-out.”

Students must meet predetermined eligibility criteria to qualify for “testing-out.” Students may not be enrolled in or previously enrolled in the course in which the “Test-Out” is attempted. See the high school counselor for the complete list of criteria, related procedures and application. Each test-out attempt incurs a \$50 test fee required before testing. This fee is refundable only when the score earned on the EOCT is “Distinguished Learner” and the student accepts the course credit using the test-out option. NCAA does not accept high school credits earned by “test-out.”

### **What programs are available at Lanier College & Career Academy (LCCA)?**

#### **Extended Instructional Programs**

High School summer classes are available through Lanier College Career Academy's summer school program. This tuition-based program utilizes self-paced, online courses that can be completed at school or at-home.

#### **CTAE Courses and Pathways**



Lanier College Career Academy is an innovative school that serves the high schools in Hall County, providing students with a passion for careers in the hospitality, culinary arts, cosmetology, marketing, agricultural mechanics and heating/ventilation/air conditioning/refrigeration (HVAC) industries. LCCA provides students the opportunity to learn in a real work environment, helping to manage and run one of nine businesses: Corner Cafe coffee shop, Bistro fine dining restaurant,

Meeting & Events conference center, Catering @ The Oaks, Design 360 personalized promotions lab, Get Gifted gift shop, Small Engine Repair shop, MetalWood Designs, or Reflections Salon and Spa.

Upon completion of their high school specialized career pathway at LCCA, students also have the opportunity to extend their learning beyond high school and start earning college credit through Dual Enrollment with Lanier Technical College. The campus of LCCA is a satellite campus for Lanier Technical College and currently offers several technical college certificate programs on-site in partnership with Lanier Technical College: Esthetics, Prep Cook, Food Production Worker, Welding, Criminal Justice, Early Childhood, Industrial Electrician, Pharmacy, etc. Once students graduate from high school, they may continue with Lanier Technical College at the Gainesville Campus and work further towards earning their specialized college degree/diploma.

See the school counselor to discuss specific CTAE courses and pathway options available at LCCA. Also, please see them concerning Dual Enrollment certificate options at LCCA.



## What is Dual Enrollment?

The Dual Enrollment program provides funding for Hall County High School students to take approved college-level coursework for credit towards both high school and college graduation requirements. Dual Enrollment classes are available at the college campus, LCCA and Early College at Jones.

The program is offered during all terms of the school year; fall, spring and summer semesters or fall, winter, spring, and summer quarters. See your Counselor or visit <https://www.gafutures.org/hope-state-aid-programs/scholarships-grants/dual-enrollment/> for more program details and eligibility requirements.

## What is Ivester Early College?



Hall County's Howard E. Ivester Early College (IEC) is an innovative way for high school students to earn a high school diploma while also earning college credits. Hall County Schools partners with Lanier Tech College (LTC), the University of North Georgia (UNG), and Brenau University to provide unique access to Georgia's Dual Enrollment program.

LTC, UNG, and Brenau professors will teach courses on the Howard E. Ivester Early College campus, and transportation is provided for all students during the school day. Unique to this program is that all students are offered learning supports that include tutoring, career guidance, and personalized planning to meet college and career goals.



Students have the opportunity to take multiple LTC/UNG/Brenau courses per semester at the Howard E. Ivester campus in combination with classes at their high school campus, Work-Based Learning, Honors Mentorship, or main college campuses. Dual Enrollment funds cover all tuition, textbooks, and mandatory fees for each course. Some courses with labs (Nurse Aide, Art, Biology, etc.) may require that students purchase course supplies. In order to

ensure that every student has access to required technology, Hall County Schools offers a Chromebook or laptop for students to use while taking specific core academic and certificate courses at IEC. See your Counselor for program details and eligibility requirements.



**AGRICULTURE, FOOD & NATURAL RESOURCES**

**Agricultural Mechanics Pathway (L)**  
02.47100 Basic Agricultural Science and Technology  
01.42100 Agricultural Mechanics Technology I  
01.42200 Agricultural Mechanics Technology II  
**Capstone Experience: WBL Internship**

**Agricultural Mechanics/Metals Fabrication Pathway (L)**  
02.47100 Basic Agricultural Science and Technology  
01.42100 Agricultural Mechanics Technology I  
01.42400 Agricultural Metals Fabrication  
**Capstone Experience: WBL Internship**

**ARCHITECTURE & CONSTRUCTION**

**Heating, Vent, Air Conditioning & Refrigeration (L)**  
46.54500 Industry Fundamentals & Occupational Safety  
47.41400 Introduction to HVACR Systems  
47.41500 Heating, Ventilation, Air Cond, & Refrigeration  
**Capstone Experience: WBL Internship**

**HVACR Electrical Pathway (L)**  
46.54500 Industry Fundamentals & Occupational Safety  
47.41400 Introduction to HVACR Systems  
47.41600 Low Voltage Electrical  
**Capstone Experience: WBL Internship**

**ARTS, AV TECHNOLOGY & COMMUNICATIONS**

**Graphic Communications Pathway (F)<sup>H</sup>**  
48.56100 Introduction to Graphics and Design  
48.56200 Graphic Design and Production  
48.57000 Adv Graphic Output Processes  
**Capstone Experience: WBL Internship**

**Graphic Design Pathway (F)<sup>H</sup>**  
48.56100 Introduction to Graphics and Design  
48.56200 Graphic Design and Production  
48.52800 Advanced Graphic Design  
**Capstone Experience: WBL Internship**



Plan ahead and complete more than one pathway and work to earn additional certifications!

**EDUCATION & TRAINING**

**Early Childhood Education Pathway (F)**  
20.52810 Early Childhood Education I  
20.42400 Early Childhood Education II - FY21  
20.42500 Early Childhood Education III - FY22  
**Capstone Experience: WBL Internship**

**HEALTH SCIENCE**

**Allied Health & Medicine Pathway (F)<sup>H</sup>**  
25.52100 Introduction to Healthcare Science  
25.44000 Essentials of Healthcare  
25.43700 Allied Health & Medicine  
**Capstone Experience: WBL Internship**

**Diagnostics/Phlebotomy Pathway (F)**  
25.52100 Introduction to Healthcare Science  
25.44000 Essentials of Healthcare  
25.57400 Diagnostics Phlebotomy  
**Capstone Experience: WBL Internship**

**Therapeutic Services-Sports Medicine (F)<sup>H</sup>**  
25.52100 Introduction to Healthcare Science  
25.44000 Essentials of Healthcare  
25.44600 Sports Medicine  
**Capstone Experience: WBL Internship**

**HOSPITALITY & TOURISM+D34:D58D34D34:D56**

**Culinary Arts Pathway (L)**  
20.53100 Introduction to Culinary Arts  
20.53210 Culinary Arts I  
20.53310 Culinary Arts II  
**Capstone Experience: WBL Internship**

**Hospitality, Recreation & Tourism Pathway (L)**  
08.47400 Marketing Principles  
08.45430 Hospitality, Recreation & Tourism Essentials  
08.45400 Hospitality, Recreation & Tourism Mgt  
**Capstone Experience: WBL Internship**

**HUMAN SERVICES**

**Food & Nutrition Pathway (F)**  
20.41610 Food, Nutrition & Wellness  
20.41400 Food for Life - FY21  
20.41810 Food Science - FY22  
**Capstone Experience: WBL Internship**

**Personal Care Services-Cosmetology (L)**  
12.54400 Intro to Personal Care Services  
12.41000 Cosmetology Serv II  
12.41100 Cosmetology Serv III  
**Capstone Experience: WBL Internship**

**INFORMATION TECHNOLOGY**

**Programming Pathway (F)<sup>H</sup>**  
11.41500 Introduction to Digital Technology  
11.47100 Comp Sci Principles **OR**  
11.01900 AP Comp Sci Principles  
11.47200 Program, Games, Apps & Society  
**Capstone Experience: WBL Internship**

**Web & Digital Design Pathway (F)**  
11.41500 Introduction to Digital Technology  
11.45100 Digital Design  
11.45200 Web Design  
**Capstone Experience: WBL Internship**

**MARKETING**

**Marketing & Management (F)**  
08.47400 Marketing Principles  
08.44100 Marketing & Entrepreneurship  
08.44200 Marketing & Management  
**Capstone Experience: WBL Internship**

**Marketing Communications & Promotions (F)**  
08.47400 Marketing Principles  
08.45100 Promotion and Professional Sales  
08.45200 Marketing Communications Essentials  
**Capstone Experience: WBL Internship**

**MANUFACTURING**

**Sheet Metal Pathway (F)**  
46.54500 Occupational Safety and Fundamentals  
48.58100 Introduction to Metals  
48.58200 Sheet Metal I  
**Capstone Experience: WBL Internship**

**Welding Pathway (F)**  
46.54500 Occupational Safety and Fundamentals  
48.58100 Introduction to Metals  
48.55100 Welding I  
**Capstone Experience: WBL Internship**

**SCIENCE, TECH, ENGINEERING & MATHEMATICS**

**Engineering Drafting & Design Pathway (F)**  
48.54100 Intro to Drafting & Design  
48.54200 Survey of Engin Graphics  
48.54300 3D Modeling and Analysis  
**Capstone Experience: WBL Internship**

**Engineering & Technology Pathway (F)<sup>H</sup>**  
21.42500 Foundations of Engineering/Technology  
21.47100 Engineering Concepts  
21.47200 Engineering Applications  
**Capstone Experience: WBL Internship**

**F = Flowery Branch High School**

**L = Lanier College Career Academy\*\***

\*\* Transportation is provided for students from students' home school to attend the speciality programs at LCCA. Please see your counselor for additional information.

**PATHWAY REQUIREMENTS**

\* To fulfill the state pathway requirements, students must complete the three courses shown in the pathway and take the EOPA (end-of-pathway assessment) where available. If successful, students will earn an industry credential.  
<sup>H</sup> Honors Pathway Available

**CAPSTONE EXPERIENCE FOR ALL PATHWAYS**

Work-Based Learning (WBL)<sup>H</sup> internship opportunities are available in ALL career cluster areas. Please see your school's WBL Coordinator/Career Specialist for additional information.



# High School Course Descriptions

The following list of course descriptions encompasses all courses offered in Hall County high schools. However, some courses may not have sufficient enrollment to justify instruction each school year.

\* Georgia Milestones EOC assessment required.

## ENGLISH/LANGUAGE ARTS

### **Ninth Grade Literature/Composition\***

**1 Unit**

### **Ninth Grade Literature/Composition (Honors)\***

CIP #: 23.06100

Prerequisite: Teacher recommendation for Honors

Credit Type: L1 or L2; **Required for students enrolling in ninth grade for the first time in 2008 or later;** core or elective credit for all other students.

Description: Integrates writing, grammar and usage, literature, speaking, listening, and critical thinking skills; develops understanding of both structure and meaning of a work of literature, as well as an understanding of the process of interpreting a text; develops competency in technical writing to write coherent and focused texts to convey a well-defined perspective or tightly-reasoned argument.

### **World Literature/Composition**

**1 Unit**

### **World Literature/Composition (Honors)**

CIP #: 23.06300

Prerequisite: Teacher recommendation for Honors

Credit Type: L1 or L2; Core or elective credit

Description: Integrates writing, grammar and usage, literature, speaking, listening, and critical thinking skills; develops understanding of themes that relate literature to life, and of themes that recur in diverse works of literature. Through a study of world literature, students will develop an understanding of chronological context and the relevance of period structures in literature within cultures around the world. By the end of this course, students should be able to demonstrate competency in persuasive writing, writing coherent and focused texts that convey a well-defined perspective or tightly-reasoned argument.

### **American Literature/Composition\***

**1 Unit**

### **American Literature/Composition (Honors)\***

CIP #: 23.05100

Prerequisite: Teacher recommendation for Honors

Credit Type: L1 or L2; **Required for all students** (may substitute with IB English A Literature, Year 1, IB English B, Year 1 or AP English Language/Composition)

Description: Integrates writing, grammar and usage, literature, speaking, listening, and critical thinking skills. Focusing on a study of American literature, students develop an understanding of chronological context and the relevance of period structures in American literature. By the end of this course, students should be able to demonstrate developing competency expository and persuasive writing.

### **Multicultural Literature**

**1 Unit**

CIP #: 23.06700

Prerequisite: None

Credit Type: L1; Core or elective credit

Description: Focusing on multicultural literature, this course integrates writing, grammar and usage, literature, speaking, listening, and critical thinking skills; develops understanding of themes that relate literature to life, and of themes that recur in diverse cultural contexts.

### **British Literature/Composition**

**1 Unit**

### **British Literature/Composition (Honors)**

CIP #: 23.05200

Prerequisite: Teacher recommendation for Honors

Credit Type: L1 or L2; Core or elective credit

Description: Integrates writing, grammar and usage, literature, speaking, listening, and critical thinking skills. Focusing on a study of British literature, students develop an understanding of chronological context and the relevance of period structures in British literature. By the end of this course, students should be able to demonstrate competency in expository writing and persuasive writing, as well as competent use of the writing process (e.g., prewriting, drafting, revising, and editing successive versions).

### **Technical College Readiness English**

**1 Unit**

CIP #: 23.05400

Prerequisite: Score of less than 224 on Next Generation ACCUPLACER Placement Test or score of "Beginning Learner" or "Developing Learner" on Milestones EOC in 9<sup>th</sup> Grade Lit/Comp or American Lit/Comp.

Credit Type: L1; Core or elective credit; **course meets English/Language Arts requirement for high school graduation but is not recognized by NCAA for student athletes.**

Description: Course aimed at students who may have difficulties passing ACCUPLACER – the technical college admission exam. Potential students must take the ACCUPLACER Diagnostic Assessment in English and score “Needs Improvement” or “Limited Proficiency” on three of five sections. The ACCUPLACER admission exam is a requirement at the beginning and end of the course.

### **Advanced Placement (AP) Language/Composition**

**1 Unit**

CIP #: 23.05300

Prerequisite: Teacher recommendation

Credit Type: L3; Core or elective credit; **May satisfy the American Literature course requirement**

Description: Conforms to the College Board recommendations for the Advanced Placement Language and Composition Examination; emphasizes critical thinking, reading, and writing through the study and discussion of expository, analytical, and argumentative essays; stresses the connection between reading and writing mature prose. Enrollment in AP includes the commitment to take the AP exam.

### **Advanced Placement (AP) Literature/Composition**

**1 Unit**

CIP #: 23.06500

Prerequisite: Teacher recommendation

Credit Type: L3; Core or elective credit; **Does not satisfy the American Literature course requirement**

Description: Conforms to the College Board recommendations for the AP Literature and Composition exam; stresses modes of discourse, assumptions, underlying rhetorical strategies, connotation, metaphor, irony, syntax, and tone; emphasizes writing critical analyses of literature and includes essays in exposition and argument, poetry, drama, prose fiction, and expository literature. Enrollment in AP includes the commitment to take the AP exam.

### **Journalism I, II, III, IV**

#### **Journalism II, III, IV (Honors)**

**1 Unit**

CIP #: 23.03200 (I)

CIP #: 23.03300 (II)

CIP #: 23.03500 (III)

CIP #: 23.03600 (IV)

Prerequisite: Must be taken in sequence

Credit Type: L1 or L2; Elective credit only

Description: Explores journalistic writing through analysis of newspapers, yearbooks, literary magazines, and broadcast journalism publications; concentrates on purpose, influence, structure, and language use through reading, writing, and critical thinking; covers news gathering, ethics, copy writing, editing, and revising; may include typesetting, circulation, and production.

### **Advanced Composition**

**.5 or 1 Unit**

CIP #: 23.03400

Prerequisite: Teacher Recommendation

Credit Type: L2; Core or elective credit

Description: Provides further exploration of the writing process, including planning, drafting, and revising. Emphasizes research skills and essay composition and includes expository, persuasive, narrative, and descriptive writing.

### **Advanced Placement Research, ELA**

**1 Unit**

CIP #: 23.03700

Prerequisite: Approval of school AP Coordinator

Credit Type: L3; Core or elective credit; **beginning in 2019, students who earn credit for this course will also receive credit for Advanced Composition (23.03400).**

Description: AP Research allows students to deeply explore an academic topic, problem or issue of individual interest. Students design, plan, and conduct a year-long mentored, research-based investigation to address a research question. Students further their skills acquired in AP Seminar by understanding research methods; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Course culminates in an academic thesis paper of approximately 5000 words and a presentation, performance, or exhibition with an oral defense.

### **Reading Enrichment**

**.5 or 1 Unit**

CIP #: 23.08200

Prerequisite: Score of <25%tile on ITBS, or <300 on Reading CRCT

Credit Type: L1; Elective credit only

Description: Enhances essential reading skills necessary to promote continual development in reading.

### **Communication Skills**

**.5 or 1 Unit**

CIP #: 23.08100

Prerequisite: Approval of Instructional Coordinator

Credit Type: L1; Elective credit only

Description: This course focuses on reinforcement of Georgia Standards of Excellence using READ 180. Students receive reinforcement in the following strands: Reading and Literature, Reading Across the Curriculum, Writing, Conventions, and Listening, Speaking, and

Viewing. The emphasis is to offer reading skills, vocabulary development, reading opportunities, writing process activities, and conventions study for students identified by SRI universal screening.

**Basic Reading/Writing I, II, III, IV**

**.5 or 1 Unit**

CIP #: 23.08300 (I)

CIP #: 23.08400 (II)

CIP #: 23.08500 (III)

CIP #: 23.08600 (IV)

Prerequisite: Approval of LCA/LCCA Project Search/Project Success Program Director

Credit Type: L1; Elective credit only

Description: These courses provide fundamental skills development in: Reading and Literature, Reading Across the Curriculum, Writing, Conventions, and Listening, Speaking, and Viewing. The class includes drill and practice opportunities in reading comprehension, vocabulary development, reading opportunities, writing, speaking, and critical thinking.

**Language Arts Work-Based Learning (WBL) Placement**

**.5 or 1 Unit**

**Language Arts Work-Based Learning (WBL) Placement (Honors)**

CIP #: 23.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a related course or previously taken a related course

Credit Type: L1; Core or elective credit

Description: Develops transferable employability skills and awareness of workplace culture; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

<b>MATHEMATICS</b>
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**GSE Foundations of Algebra**

**1 Unit**

CIP: 27.04810

Prerequisite: Low middle school mathematics standardized test scores and/or demonstration of significant difficulties in middle school mathematics courses; qualifying IKAN score and completion of University System of Georgia High School Mathematics Curriculum document.

Credit Type: L1; core or elective credit

Description: A first-year high school mathematics course for students who need substantial support to bolster success in high school mathematics. Course emphasizes algebra and numeracy in a variety of contexts including number sense, proportional reasoning, quantitative reasoning with functions, and solving equations and inequalities.

**GSE Coordinate Algebra\***

**1 Unit**

**GSE Coordinate Algebra (Honors)\***

CIP: 27.09710

Prerequisite: None

Credit Type: L1 or L2; **Required for students entering ninth grade in 2012-2013 or later;** May substitute for Mathematics I (Algebra/Geometry/Statistics) for students entering ninth grade in 2008-2009, 2009-2010, 2010-2011 and 2011-2012.

Description: The first in a sequence of four high school courses designed to ensure career and college readiness. The course represents a discrete study of algebra with correlated statistics applications and a bridge to the second course through coordinate geometric topics.

**GSE Coordinate Algebra Support**

**1 Unit**

CIP: 27.09810

Prerequisite: None

Credit Type: L1; Elective credit only

Description: Provides additional support to students enrolled in the Coordinate Algebra course and should be taken concurrently with Coordinate Algebra. This course provides extra time and utilizes a variety of strategies to help students build a stronger foundation for success in their current and future mathematics courses.

**GSE Analytic Geometry\***

**1 Unit**

**GSE Analytic Geometry (Honors)\***

CIP #: 27.09720

Prerequisite: Coordinate Algebra

Credit Type: L1 or L2; **Required for students entering ninth grade in 2012-2013 or later;** May substitute for Mathematics II (Geometry/Algebra II/Statistics) for students entering ninth grade in 2008-2009, 2009-2010, 2010-2011 and 2011-2012.

Description: The second in a sequence of four high school courses designed to ensure career and college readiness. The course embodies a discrete study of geometry analyzed by means of algebraic operations with correlated probability/statistics applications and a bridge to the third course in the series through algebraic topics.

**GSE Analytic Geometry Support****1 Unit**

CIP #: 27.09820

Prerequisite: Coordinate Algebra

Credit Type: L1; Elective credit only

Description: Provides additional support to students enrolled in the Analytic Geometry course and should be taken concurrently with Analytic Geometry. This course provides extra time and utilizes a variety of strategies to help students build a stronger foundation for success in their current and future mathematics courses.

**GSE Accelerated Analytic Geometry B/Advanced Algebra\*****1 Unit**

CIP #: 27.09760

Prerequisite: Teacher recommendation

Credit Type: L2; Core or elective credit for students entering ninth grade in 2012-2013 or later; may substitute for GSE Analytic Geometry

Description: The second in a sequence of three accelerated high school courses designed to ensure that students are prepared to take higher-level mathematics courses such as Advanced Placement Calculus AB and Advanced Placement Statistics during their high school career. The course represents the extension of algebraic and trigonometric topics from previous study.

**GSE Advanced Algebra****1 Unit****GSE Advanced Algebra (Honors)**

CIP #: 27.09730

Prerequisite: Analytic Geometry

Credit Type: L1 or L2; **Required for students entering ninth grade in 2012-2013 or later;** May substitute for Mathematics III for students entering ninth grade in 2008-2009, 2009-2010, 2010-2011 and 2011-2012.

Description: The culminating course in a sequence of three high school courses designed to ensure career and college readiness. Designed to prepare students for fourth course options relevant to their career pursuits.

**GSE Advanced Algebra Support****1 Unit**

CIP #: 27.09830

Prerequisite: Analytic Geometry

Credit Type: L1; Elective credit only

Description: Provides additional support to students enrolled in the Advanced Algebra course and should be taken concurrently with Advanced Algebra. This course provides extra time and utilizes a variety of strategies to help students build a stronger foundation for success in their current and future mathematics courses.

**GSE Precalculus****1 Unit****GSE Precalculus (Honors)**

CIP #: 27.09740

Prerequisite: Advanced Algebra

Credit Type: L1 or L2; Core or elective credit; May substitute for Mathematics IV for students entering ninth grade in 2008-2009, 2009-2010, 2010-2011 and 2011-2012.

Description: A fourth mathematics course designed to prepare students for calculus and other college level mathematics courses.

**Calculus****1 Unit****Calculus (Honors)**

CIP #: 27.07800

Prerequisite: Precalculus

Credit Type: L1 or L2; Core or elective credit;

Description: A fourth mathematics course option for students who have completed Pre-Calculus, Mathematics IV or its equivalent. Course includes problem solving, reasoning and estimation, functions, derivatives, applications of the derivative, integrals, and application of the integral. Instruction and assessment should include the appropriate use of technology. Topics should be presented in multiple ways, such as verbal/written, numeric/data-based, algebraic, and graphical. Concepts should be introduced and used, where appropriate, in the context of realistic phenomena.

**Statistical Reasoning****1 Unit**

CIP #: 27.08800

Prerequisite: CCGPS Advanced Algebra or Accelerated CCGPS Analytic Geometry B/Advanced Algebra

Credit Type: L1; Core or elective credit

Description: A fourth mathematics course option designed to provide experiences in statistics beyond the CCGPS sequence of courses. Students will strengthen their understanding of the statistical method of inquiry and statistical simulations by formulating statistical questions answered by using data, designing and implementing a plan to collect the appropriate data, selecting appropriate graphical and numerical methods for data analysis, and interpreting results to make connections with the initial question. This course is not recognized as a core mathematics course for STEM majors and may not serve as the best option for students planning to enter a four-year post-secondary institution.



**Advanced Placement (AP) Statistics****1 Unit**

CIP #: 27.07400

Prerequisite: Teacher recommendation

Credit Type: L3; Core or elective credit

Description: Introduces the derivation of knowledge from data and data collection. Explorations are conducted through experiments, surveys, and computer simulations. Presents applications in real-life situations and shows how statistics can be misleading. AP course follows the College Board syllabus for the AP Statistics Examination. Enrollment in AP includes the commitment to take the AP exam.

**Advanced Placement (AP) Calculus AB****1 Unit**

CIP #: 27.07200

Prerequisite: Teacher recommendation and Accelerated Math III, Math IV or Precalculus

Credit Type: L3; Core or elective credit

Description: Follows the College Board syllabus for the AP Calculus AB Examination, including properties of functions and graphs, limits and continuity, differential and integral calculus. Enrollment in AP includes the commitment to take the AP exam.

**Advanced Placement (AP) Calculus BC****1 Unit**

CIP #: 27.07300

Prerequisite: Teacher recommendation and Accelerated Math III, Math IV, PreCalculus or AP Calculus AB

Credit Type: L3; Core or elective credit

Description: Conforms to College Board topics for the AP Calculus BC Examination; includes AP Calculus AB topics, as well as vector functions, parametric equations, conversions, parametrically defined curves, tangent lines, and sequence and series. Enrollment in AP includes the commitment to take the AP exam.

**Technical College Readiness Mathematics****1 Unit**

CIP #: 27.09000

Prerequisite: Score of less than 229 on Next Generation ACCUPLACER Arithmetic Placement Test or score of "Beginning Learner" or "Developing Learner" on Coordinate Algebra EOC

Credit Type: L1; Core or elective credit; **course meets Mathematics requirement for high school graduation but is not recognized by NCAA for student athletes.**

Description: Course aimed at students who may have difficulties passing ACCUPLACER – the technical college admission exam. Potential students must take the ACCUPLACER Diagnostic Assessment in Mathematics and score "Needs Improvement" or "Limited Proficiency" on three of five sections. The ACCUPLACER admission exam is a requirement at the beginning and end of the course.

**Communication Skills in Math (ELL)****1 Unit**

CIP #: 55.02110

Prerequisite: Special placement for limited English speaking students determined through language proficiency testing

Credit Type: L1; Elective credit only

Description: This course supports and enhances literacy and listening skills necessary for success in the mathematics content areas; particular emphasis is on vocabulary, speaking, listening and reading skills in mathematics.

**College Readiness Mathematics****1 Unit**

CIP #: 27.08900

Prerequisite: Mathematics III, Accelerated Mathematics II or Advanced Algebra

Credit Type: L1; Core or elective credit; **course meets Mathematics requirement for high school graduation and satisfies University System of Georgia's fourth mathematics requirements for admission, but is not recognized by NCAA for student athletes.**

Description: Fourth course option for students who have completed Coordinate Algebra, Analytic Geometry, and Advanced Algebra, but are still struggling with high school mathematics standards essential for success in first year post-secondary mathematics courses required for non-STEM majors. Designed to serve as a bridge for high school students who will enroll in non-STEM post-secondary study.

Description: Course concentrates on mathematics necessary to understand and make informed decisions related to personal finance. Content based on topics found in prior courses; however, specific applications will extend the student's understanding of when and how to use these topics.

**SCIENCE****Physical Science\*****1 Unit****Physical Science (Honors)\***

CIP #: 40.01100

Prerequisite: Teacher recommendations for Honors

Credit Type: L1 or L2; Core or elective credit; physical science course; **students in ninth grade for the first time in 2008 or later must take Physical Science or Physics I**

Description: Promotes science process skills through study of properties of matter, atomic theory, chemical symbols, stoichiometry, periodic table, organic chemistry, energy, mechanics, waves and energy transfer, electricity and magnetism.

## **Biology I**

**1 Unit**

### **Biology I (Honors)**

#### **Advanced Placement (AP) Biology**

CIP #: 26.01200

CIP #: 26.01400 (AP)

Prerequisite: Teacher recommendations for Honors; Biology I and credit for or concurrent enrollment in Chemistry required for AP

Credit Type: L1, L2 or L3; **required for students in ninth grade for the first time in 2008 or later (may substitute with AP Biology, or IB Biology, Year 1)**

Description: Introduces science process skills and laboratory safety, research, nature of biology, cellular biology, biochemistry, genetics, evolution, classification, diversity of life, human body, and ecology. AP Biology conforms to the College Board topics for the AP Biology Examination; covers biological chemistry, cells, energy transformations, molecular genetics, heredity, evolution, taxonomy, systematic, and Monera, Protista, fungi, plants, animals, and ecology.

## **Chemistry I**

**1 Unit**

### **Chemistry I (Honors)**

#### **Advanced Placement (AP) Chemistry**

CIP #: 40.05100

CIP #: 40.05300 (AP)

Prerequisite: Teacher recommendation for Honors and AP; Chemistry I recommended for AP

Credit Type: L1, L2 or L3; Core or elective credit; physical science course; **students enrolling in ninth grade for the first time in 2008 or later must take Earth Systems, Chemistry I (or AP or IB), or Environmental Science (or AP or IB)**

Description: Introduces chemistry; covers science process skills, units of chemistry, atoms and collections of atoms, periodicity and bonding, compounds and reactions, characteristics of states of matter, acid/base chemistry, chemical dynamics and equilibrium, reference, research skills, and lab safety. AP Chemistry conforms to College Board topics for the AP Chemistry Exam; covers atomic theory and structure, chemical bonding, nuclear chemistry, gases, liquids, solids, solutions, types of reactions, stoichiometry, equilibrium, kinetics, and thermodynamics. Enrollment in AP includes the commitment to take the AP exam.

## **Environmental Science**

**1 Unit**

### **Environmental Science (Honors)**

#### **Advanced Placement (AP) Environmental Science**

CIP #: 26.06110

CIP #: 26.06200 (AP)

Prerequisite: Teacher recommendation for Honors or AP

Credit Type: L1, L2 or L3; Core or elective credit; life science course; **students enrolling in ninth grade for the first time in 2008 or later must take Chemistry I or Earth Systems or Environmental Science**

Description: Provides the student with the scientific principles, concepts, and the methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Enrollment in AP includes the commitment to take the AP exam.

## **Astronomy**

**1 Unit**

CIP #: 40.02100

Prerequisite: None

Credit Type: L1; core or elective credit; physical science course

Description: Provides student with introduction to concepts of modern astronomy, the origin and history of the Universe and formation of Earth and solar system. Students will compare the Earth's properties with those of the other planets and explore how the heavens have influenced human thought and action. Includes description of astronomical phenomena using laws of physics; planets, stars, Milky Way and other galaxies, and black holes. Explores esoteric questions concerning origin of the universe, its evolution and fate. Requires use of sophomore-high level mathematics.

## **Forensic Science**

**1 Unit**

### **Forensic Science (Honors)**

CIP #: 40.09300

Prerequisite: None

Credit Type: L1 or L2; **Elective credit only for students enrolling in ninth grade for the first time prior to 2008; Core or elective for students first entering ninth grade in 2008 or later; physical science course**

Description: Students will explore how forensic science is use in criminal investigations, will apply the principles of forensic science to hypothetical crimes, and will use the scientific process to solve fictional crimes.

## **Microbiology**

**1 Unit**

CIP #: 26.05100

Prerequisite: Biology recommended; teacher recommendation for honors

Credit Type: L1 or L2; Core or elective credit; life science course

Description: This course focuses on archeabacteria, prokaryotes, eukaryotes, and viruses. Students will study historical microbiology, growth and identification of bacteria, control of microbial growth, pathogenic microbiology, food and dairy microbiology, and soil and water microbiology. Students will utilize scientific inquiry to solve problems related to disease, bioterrorism, biotechnology and ecology.

## **Physics I**

**1 Unit**

### **Physics I (Honors)**

#### **Advanced Placement (AP) Physics 1**

CIP #: 40.08100

CIP #: 40.08310 (AP)

Prerequisite: Teacher recommendation for Honors; Accelerated Analytic Geometry/Advanced Algebra; Analytic Geometry; Advanced Algebra for AP

Credit Type: L1, L2 or L3; Core or elective credit; physical science course; **students first entering ninth grade in 2008 or later must take Physical Science or Physics I**

Description: Covers basic mechanics, kinetic theory, thermodynamics, wave mechanics, electricity, particle physics, and reference, research skills, lab safety, and process skills. AP course is algebra-based, introductory college level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Course based on six Big Ideas encompassing core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world.

#### **Advanced Placement (AP) Physics C: Mechanics**

**1 Unit**

CIP #: 40.08410

Prerequisite: Physics I; Teacher recommendation

Credit Type: L3; Core or elective credit; physical science course

Description: Conforms to College Board topics for the AP Physics C Exam; covers kinematics, Newton's Laws of Motion, work, energy, power, systems of particles, linear momentum, rotation, oscillations and gravitation, electrostatics, conductors, capacitors, dielectrics, electric circuits, magnetostatics, and electromagnetism. Enrollment in AP includes the commitment to take the AP exam.

## **Life Sciences Work-Based Learning (WBL) Placement**

**.5 or 1 Unit**

### **Life Sciences Work-Based Learning (WBL) Placement (Honors)**

CIP #: 26.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a related course or previously taken a related course

Credit Type: L1; Core or elective credit

Description: Develops transferable employability skills and awareness of workplace culture; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

## **Physical Sciences Work-Based Learning (WBL) Placement**

**.5 or 1 Unit**

### **Physical Sciences Work-Based Learning (WBL) Placement (Honors)**

CIP #: 40.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a related course or previously taken a related course

Credit Type: L1; Core or elective credit

Description: Develops transferable employability skills and awareness of workplace culture; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

## **SOCIAL SCIENCES**

### **Advanced Placement (AP) Human Geography**

**1 Unit**

CIP #: 45.07700

Prerequisite: Teacher recommendation

Credit Type: L3; Elective credit only

Description: Introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to interpret human social organization and its environmental consequences. Enrollment in AP includes the commitment to take the AP exam.

## **World History**

**1 Unit**

### **World History (Honors)**

#### **Advanced Placement (AP) World History**

CIP #: 45.08300

CIP #: 45.08110 (AP)

Prerequisite: Teacher recommendation for Honors/AP

Credit Type: L1, L2 or L3; **Required for all students first entering ninth grade in 2008 or later**

Description: Emphasizes the political, cultural, economic and social development and growth of civilizations; covers the emergence of nations through trade/communications, intellectual development, scientific/technological development, emergence of nation states, nations in conflict and the emerging interdependence of nations in the first and twenty first centuries. Enrollment in AP includes the commitment to take the AP exam.

### **United States History\***

**1 Unit**

### **United States History (Honors)\***

### **Advanced Placement (AP) United States History\***

CIP #: 45.08100

CIP #: 45.08200 (AP)

Prerequisite: Teacher recommendation for Honors and AP

Credit Type: L1, L2 or L3; **Required for all students** (may substitute with AP U.S. History or IB History of the Americas, Year 1)

Description: Investigates the United States, its people, institutions and heritage; emphasizes political, cultural and social issues, the role of the United States as a world leader and the issues confronting the United States today. AP course includes discovery and settlement, Colonial Society, American Revolution, Constitution and the New Republic, Age of Jefferson, Nationalism, Sectionalism, Territorial Expansion, Civil War, Reconstruction, Industrialization, Progressive Era, World War I, Depression, New Deal, World War II, The Cold War. Enrollment in AP includes the commitment to take the AP exam.

### **American Government**

**.5 Unit**

### **American Government (Honors)**

### **Advanced Placement (AP) Government/Politics: United States**

CIP #: 45.05700

CIP #: 45.05200 (AP)

Prerequisite: Teacher recommendation for Honors and AP

Credit Type: L1, L2 or L3; **Required for all students** (may substitute with AP Government/Politics: United States)

Description: Focuses on the foundation, principles and structure of the American system of government, examines the role of political parties, social factors as they relate to the role of the citizen, and analyzes the decision-making process that are a part of the system of American political behavior. This course meets the state's Citizenship requirement for graduation. AP course conforms to College Board topics for the AP exam; includes federalism, separation of powers, influences on the formulation and adoption of the Constitution, political beliefs, political parties and elections, interest groups, institutions and policy processes and civil liberties and civil rights. Enrollment in AP includes the commitment to take the AP exam.

### **Economics\***

**.5 Unit**

### **Economics (Honors)\***

**.5 Unit**

### **Advanced Placement (AP) Macroeconomics\***

**1 Unit**

### **Advanced Placement (AP) Microeconomics\***

**1 Unit**

CIP #: 45.06100

CIP #: 45.06200 (AP Macroeconomics)

CIP #: 45.06300 (AP Microeconomics)

Prerequisite: Teacher recommendation for Honors

Credit Type: L1, L2 or L3; **Required for all students** (may substitute with AP Macro or Microeconomics, or IB Economics, Year 1)

Description: Focuses on the American economic system, fundamental economic concepts, comparative economic systems, microeconomics, macroeconomics and international economic interdependence. AP Macroeconomics focuses on basic economic concepts, measurement of economic performance, national income and price determination and international economics and growth; AP Microeconomics focuses on basic economic concepts, the nature and functions of product markets, factor markets and efficiency. Enrollment in AP includes the commitment to take the AP exam.

### **Advanced Placement (AP) European History**

**1 Unit**

CIP #: 45.08400

Prerequisite: Teacher recommendation

Credit Type: L3; Elective credit

Description: Conforms to College Board topics for the AP examination; covers intellectual and cultural history, political and diplomatic history and social and economic history. Enrollment in AP includes the commitment to take the AP exam.

### **Psychology**

**.5 or 1 Unit**

### **Advanced Placement (AP) Psychology**

**1 Unit**

CIP #: 45.01500

CIP #: 45.01600 (AP)

Prerequisite: None; teacher recommendation for AP

Credit Type: L1 or L3; Elective credit

Description: First half investigates the principles of psychology for human behavior in relation to human development, learning/cognition, and personality. Second half investigates the principles of psychology in relation to psychological disorders, methods of therapy, social cognition and social interaction. Investigation of methodologies for study and research development. Integrates and reinforces social studies skills. AP course includes methods, approaches and the history of psychology as a science, biological bases of behavior, sensation and perception, learning, developmental psychology, personality, testing and individual differences, abnormal psychology, treatment of psychological disorders and social psychology. Enrollment in AP includes the commitment to take the AP exam.

### **Sociology**

**.5 or 1 Unit**

CIP #: 45.03100

Prerequisite: None

Credit Type: L1; Elective credit

Description: First half of course investigates principles of sociology, the individual in groups, social institutions, social control and the use of research methods to examine social problems. Second half of course investigates the principles of social institutions, economy, politics, education, religion, and the current issues in sociology including population shifts, collective behavior and social change. Methodologies for study and research development for these areas will be investigated. Integrates and reinforces social studies skills.

### **Peer Leadership I**

**.5 or 1 Unit**

CIP #: 45.05900

Prerequisite: Teacher recommendation

Credit Type: L1; Elective credit

Description: Investigates what it means to be a leader and guides students in exercising leadership. Course provides a focus for leadership learning via student-centered experience, including guided and independent activities. Leadership opportunities offered both inside and outside the classroom setting. Concepts to be covered include goal setting, team building, communication, problem solving, motivation, and community and civic responsibility skills.

### **US History in Film**

**1 Unit**

CIP #: 45.08120

Prerequisite: None

Credit Type: L1; Elective credit

Description: Explores United States history through film. Course includes analysis and interpretation of events through both print and film.

### **Personal Financial Literacy**

**.5 or 1 Unit**

CIP #: 45.06700

Prerequisite: None

Credit Type: L1; Elective credit

Description: Course explores income, budgeting, payment for goods and services, credit and interest rates, financial institutions, investments, insurance and risk management, taxation, consumer protection, and identity theft.

### **World Geography**

**.5 or 1 Unit**

CIP #: 45.07110

Prerequisite: None

Credit Type: L1; Elective credit

Description: Provides an introduction to both physical and cultural geography. For each major region, students learn the importance of the physical geography and its impact on the region's development. Also include the cultural aspects of each region and examination of the influence of geography on the cultural development of each region.

### **Social Sciences Work-Based Learning (WBL) Placement**

**.5 or 1 Unit**

#### **Social Sciences Work-Based Learning (WBL) Placement (Honors)**

CIP #: 45.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a related course or previously taken a related course

Credit Type: L1; Core or elective credit

Description: Develops transferable employability skills and awareness of workplace culture; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

## **MODERN LANGUAGES**

### **French I, II**

**1 Unit**

#### **French III – V (Honors)**

CIP #: 60.01100 (I)

CIP #: 60.01200 (II)  
CIP #: 60.01300 (III)  
CIP #: 60.01400 (IV)  
CIP #: 60.01500 (V)  
Prerequisite: Courses must be taken in sequence  
Credit Type: L1 or L2; Core or elective credit

Description: Presents French language in an integrated way emphasizing listening, speaking, reading, and writing; includes asking and responding to basic questions, speaking and reading within a range of carefully selected topics. Develops an understanding of French-speaking cultures. Honors level courses emphasize the acquisition of authentic language, including recognizing the nuances, idiomatic phrases and regional differences of the language; students will learn to understand the language spoken at a normal rate and increase abilities to accurately express themselves on topics both orally and in writing to an increasingly advanced level of proficiency.

**Spanish I, II**  
**Spanish I – V (Honors)**

**1 Unit**

CIP #: 60.07100 (I)  
CIP #: 60.07200 (II)  
CIP #: 60.07300 (III)  
CIP #: 60.07400 (IV)  
CIP #: 60.07500 (V)  
CIP #: 60.07600 (VI)  
Prerequisite: Courses must be taken in sequence; Virtual format available with approval of Instructional Coordinator  
Credit Type: L1 or L2; Core or elective credit; *Spanish I, II, and I – IV Honors available as E-courses*

Description: Emphasizes listening, speaking, reading, and writing. Includes how to ask and respond to basic questions, to speak and read within a range of carefully selected topics and to develop an understanding of Spanish-speaking cultures. Honors level courses emphasize the acquisition of authentic language which includes recognizing the nuances, idiomatic phrases and regional differences of the language. In addition, students will learn to understand the language spoken at a normal rate and will increase their abilities to accurately express themselves on a variety of topics both orally and in writing to an increasingly advanced level of proficiency.

**Advanced Placement (AP) Spanish Language and Culture**

**1 Unit**

CIP #: 60.07700  
Prerequisite: Spanish I-III  
Credit Type: L3; Core or elective credit

Description: Emphasizes the ability to comprehend formal and informal spoken Spanish, to acquire the vocabulary and grasp of structure to read newspapers, magazines and Hispanic literature, and to compose expository passages and to speak accurately and fluently. Enrollment in AP includes the commitment to take the AP exam.

**Advanced Placement (AP) Spanish Literature and Culture**

**1 Unit**

CIP #: 60.08110  
Prerequisite: Spanish I-III  
Credit Type: L3; Core or elective credit

Description: Study of required authors and selected works for the AP Exam; emphasizes the ability to understand a lecture in Spanish and discuss literary topics in Spanish, to read Hispanic literary texts in all genres and to analyze critically form and content of literary works orally and in writing using appropriate terminology. Enrollment in AP includes the commitment to take the AP exam.

**Spanish for Native Spanish Speakers I, II, III**  
**Spanish for Native Spanish Speakers I, II, III (Honors)**

**1 Unit**

CIP #: 60.07900 (I)  
CIP #: 60.07910 (II)  
CIP #: 60.07920 (III)  
Prerequisite: Courses must be taken in sequence  
Credit Type: L1 or L2; Core or elective credit

Description: Designed for Heritage Language Learners of Spanish; students will develop reading, writing, speaking and listening skills, and will develop an awareness and understanding of Hispanic cultures, such as language variations, customs, and current events.

**Chinese I, II**  
**Chinese III – V (Honors)**

**1 Unit**

CIP #: 62.01100 (I)  
CIP #: 62.01200 (II)  
CIP #: 62.01300 (III)  
CIP #: 62.01400 (IV)  
CIP #: 62.01500 (V)  
Prerequisite: Courses must be taken in sequence  
Credit Type: L1 or L2; Core or elective credit; *Chinese I, II and III available as E-course*

Description: Emphasizes listening, speaking, reading, and writing. Includes how to ask and respond to basic questions, to speak and read within a range of carefully selected topics and to develop an understanding of Chinese-speaking cultures. Honors level emphasizes



the acquisition of authentic language which includes recognizing the nuances, idiomatic phrases and regional differences of the language; in addition, students will learn to accurately express themselves to an increasingly advanced level of proficiency.

### **Spoken Languages Work-Based Learning (WBL) Placement**

**.5 or 1 Unit**

### **Spoken Languages Work-Based Learning (WBL) Placement (Honors)**

CIP #: 63.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a related course or previously taken a related course

Credit Type: L1 or L2; Core or elective credit

Description: Develops transferable employability skills and awareness of workplace culture; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

## **FINE ARTS**

## **THEATRE ARTS**

### **Theatre Arts/Fundamentals I – IV**

**.5 or 1 Unit**

CIP #: 52.02100 (I)

CIP #: 52.02200 (II)

CIP #: 52.02300 (III)

CIP #: 52.02400 (IV)

Prerequisite: Courses must be taken in sequence

Credit Type: L1; Core or elective credit

Description: Develops and applies performance strategies of basic vocal, physical and emotional exercises in scene study, while including improvisation and technical art forms. Year II develops and applies performance skills through basic vocal, physical and emotional exercises; includes improvisation and scene study and related technical art forms. Year II-IV provides producing and studying children's theater and literature in depth with performance opportunities. Year IV engages students in writing plays; explores the role of the playwright; students learn by researching, evaluating and synthesizing cultural and historical information to support artistic choice, and analyzing, critiquing, and constructing meanings from informal and formal theatre, film and electronic media.

### **Theatre Arts/Advanced Drama I, II, III, IV**

### **Theatre Arts/Advanced Drama I, II, III, IV (Honors)**

**1 Unit**

CIP #: 52.05100 (I)

CIP #: 52.05200 (II)

CIP #: 52.05230 (III)

CIP #: 52.05240 (IV)

Prerequisite: Courses must be taken in sequence

Credit Type: L1 or L2; Core or elective credit

Description: Introduces acting and theater as disciplined art forms; covers methods to observe and understand human behavior and to use these observations to create a character; includes basic techniques of stage movement and use of physical expression for communication. Enhances vocal techniques; uses historical, textual and improvisational studies.

### **Theatre Arts/Musical Theater I, II, III, IV**

**1 Unit**

### **Theatre Arts/Musical Theater I, II, III, IV (Honors)**

CIP #: 52.03100 (I)

CIP #: 52.03200 (II)

CIP #: 52.0330 (III)

CIP #: 52.03400 (IV)

Prerequisite: Courses must be taken in sequence

Credit Type: L1 or L2; Core or elective credit

Description: Introduces the style and characteristic elements of modern musical theater. Covers production staging, orchestration, voice and dance; offers an opportunity for team teaching through interdisciplinary collaboration with the chorus, band, art, technology, physical education and dance instructors. Focuses on voice production, character study, and choreography as related to production.

### **Theatre Arts/Technical Theater I, II, III, IV**

**.5 or 1 Unit**

### **Theatre Arts/Technical Theater I, II, III, IV (Honors)**

CIP #: 52.04100 (I)

CIP #: 52.04200 (II)

CIP #: 52.04300 (III)

CIP #: 52.04400 (IV)

Prerequisite: Courses must be taken in sequence

Credit Type: L1 or L2; Core or elective credit

Description: Introduces students to the fundamentals of technical theatre: sound, lights, stage management, scenic design, costumes, etc. Students will also be members of the running crew for theatre productions.

**Theatre Arts Work-Based Learning (WBL) Placement**

**.5 or 1 Unit**

CIP #: 52.7XXXXX Hall County #: 2140 (Year 1)

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a related course or previously taken a related course

Credit Type: L1; Core or elective credit

Description: Develops transferable employability skills and awareness of workplace culture; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

**MUSIC**

**Music Theory & Composition**

**1 Unit**

**Advanced Placement (AP) Music Theory**

CIP #: 53.02100 (Beginning)

CIP #: 53.02200 (Intermediate)

CIP #: 53.02270 (Advanced)

CIP #: 53.02300 (AP)

Prerequisite: None

Credit Type: L1 or L3; Core or elective credit

Description: Introduces fundamentals of organized sound and rules of Western music composition; opportunity to create original works. AP covers terminology and notational skills, writing skills, visual analysis, aural skills, and advanced levels of understanding. Enrollment in AP includes the commitment to take the AP exam.

**Beginning Band I, II**

**.5 or 1 Unit**

CIP #: 53.03610

CIP #: 53.03620

Prerequisite: Courses must be taken in sequence; full unit must be earned before enrolling for the next course in the sequence

Credit Type: L1; Core or elective credit

Description: Opportunities to develop performance skills on wind or percussion instrument; emphasizes performance and production, analysis, historical and cultural influences, improvisation and appreciation of music. Concepts and demands found in Grade1 level literature.

**Intermediate Band I – IV**

**.5 or 1 Unit**

CIP #: 53.03710 (I)

CIP #: 53.03720 (II)

CIP #: 53.03730 (III)

CIP #: 53.03740 (IV)

Prerequisite: Courses must be taken in sequence; full unit must be earned before enrolling for the next course in the sequence

Credit Type: L1; Core or elective credit

Description: Provides opportunities to increase performance skills and precision on a wind or percussion instrument; includes analysis and theoretical studies, historical and cultural contributions, creative aspects of music, and strengthening reading skills. Concepts and demands found in Grades 2 and 3 level literature.

**Advanced Band I – IV**

**.5 or 1 Unit**

**Advanced Band III, IV (Honors)**

CIP #: 53.03810 (I)

CIP #: 53.03820 (II)

CIP #: 53.03830 (III)

CIP #: 53.03840 (IV)

Prerequisite: Courses must be taken in sequence; full unit must be earned before enrolling for the next course in the sequence; teacher recommendation required for Honors

Credit Type: L1 or L2; Core or elective credit

Description: For the advanced-level performer to increase, develop and refine performance skills and precision; covers performance and production, analysis and theoretical studies, aspects of music and appreciation of music at advanced levels of understanding; stresses self-paced progress in an increasing breadth of repertoire, individual learning strategies and ensemble experiences. Concepts and demands found in Grades 4 and 5 level literature.

**Advanced Instrumental Ensemble I – IV**

**1 Unit**

**Advanced Instrumental Ensemble III, IV (Honors)**

CIP #: 53.07610 (I)

CIP #: 53.07620 (II)

CIP #: 53.07630 (III)

CIP #: 53.07640 (IV)

Prerequisite: Courses must be taken in sequence; full unit must be earned before enrolling for the next course in the sequence

Credit Type: L1 or L2; Core or elective credit

Description: For the advanced-level performer to increase, develop and refine performance skills and precision; covers performance and production, analysis and theoretical studies, aspects of music and appreciation of music at advanced levels of understanding; stresses self-paced progress in an increasing breadth of repertoire, individual learning strategies and ensemble experiences. Concepts and demands found in Grades 4 and 5 level literature.

### **Mastery Band I – IV**

**1 Unit**

#### **Mastery Band I – IV (Honors)**

CIP #: 53.03910 (I)

CIP #: 53.03920 (II)

CIP #: 53.03930 (III)

CIP #: 53.03940 (IV)

Prerequisite: Courses must be taken in sequence; full unit must be earned before enrolling for the next course in the sequence

Credit Type: L1 or L2 Core or elective credit

Description: For the advanced-level performer to increase, develop and refine performance skills and precision; covers performance and production, analysis and theoretical studies, aspects of music and appreciation of music at advanced levels of understanding; stresses self-paced progress in an increasing breadth of repertoire, individual learning strategies and ensemble experiences. Concepts and demands found in Grade 6 level literature.

### **Intermediate Choral Ensemble I – III**

**.5 or 1 Unit**

CIP #: 53.07210 (I)

CIP #: 53.07220 (II)

CIP #: 53.07230 (III)

Prerequisite: Courses must be taken in sequence; full unit must be earned before enrolling for the next course in the sequence Credit

Type: L1; Core or elective credit

Description: Provides opportunities to increase intermediate-level performance skills and knowledge in ensemble choral singing; covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music; stresses individual progress and group experiences; offers smaller ensemble experiences. Concepts and demands found in Class B – C literature.

### **Advanced Choral Ensemble I – IV**

**.5 or 1 Unit**

CIP #: 53.07310 (I)

CIP #: 53.07320 (II)

CIP #: 53.07330 (III)

CIP #: 53.07340 (IV)

Prerequisite: Courses must be taken in sequence; full unit must be earned before enrolling for the next course in the sequence

Credit Type: L1 or L2; Core or elective credit

Description: Provides opportunities for advanced-level performers to increase performance skills and knowledge in ensemble choral singing; includes madrigal, notes, quartet and solo literature of all style periods; covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Concepts and demands found in Class A – B literature.

### **Mastery Mixed Chorus I – IV**

**1 Unit**

CIP #: 54.02350 (I)

CIP #: 54.02360 (II)

CIP #: 54.02370 (III)

CIP #: 54.02380 (IV)

Prerequisite: Courses must be taken in sequence; full unit must be earned before enrolling for the next course in the sequence

Credit Type: L1 or L2; Core or elective credit

Description: For the advanced-level performer to increase, develop and refine performance skills and precision; covers performance and production, analysis and theoretical studies, aspects of music and appreciation of music at advanced levels of understanding; stresses self-paced progress in an increasing breadth of repertoire, individual learning strategies and ensemble experiences.. Concepts and demands found in Class A literature.

### **Beginning Guitar Techniques I, II**

**1 Unit**

CIP #: 53.08410 (I)

CIP#: 53.08420 (II)

Prerequisite: Courses must be taken in sequence; full unit must be earned before enrolling for the next course in the sequence

Credit Type: L1; Core or elective credit

Description: Provides opportunities to develop performance skills and precision on the guitar; includes analysis and theoretical studies, historical and cultural contributions, creative aspects of music, and strengthening reading skills.

**Music Work-Based Learning (WBL) Placement**  
**Music Work-Based Learning (WBL) Placement (Honors)**

**.5 or 1 Unit**

CIP #: 53.7XXXXX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a related course or previously taken a related course

Credit Type: L1; Core or elective credit

Description: Develops transferable employability skills and awareness of workplace culture; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

<b>VISUAL ARTS</b>
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**Visual Arts Comprehensive I - IV**

**.5 or 1 Unit**

CIP #: 50.02110 (I)

CIP #: 50.02120 (II)

CIP #: 50.02130 (III)

CIP #: 50.02400 (IV)

CIP #: 50.02600 (V)

Prerequisite: Visual Arts Comprehensive I; Courses must be taken in sequence; full unit must be earned before enrolling for the next course in the sequence

Credit Type: L1; Core or elective credit

Description: Introduces art history, art criticism, aesthetic judgment and studio production; emphasizes the ability to use elements and principles of design through a variety of media, processes and visual resources; explores master artworks for historical and cultural significance. Year II emphasizes knowledge and application of design elements. Explores different two-and three-dimensional art media and processes. Year III provides practice in applying design elements and principles of design; stresses idea development through production and creativity and through the study of master artists. Year IV provides opportunities for in-depth application of design elements and principles of design in two-and three-dimensional art media and processes.

**Ceramics & Pottery I – IV**

**1 Unit**

CIP #: 50.04110 (I)

CIP #: 50.04120 (II)

CIP #: 50.04130 (III)

CIP #: 50.04140 (IV)

Prerequisite: Visual Arts Comprehensive I; Courses must be taken in sequence

Credit Type: L1; Core or elective credit

Description: Introduces clay design by using various techniques of construction and decoration; emphasizes hand building and other forming techniques, surface decoration and glaze applications. Year II provides design techniques through hand building or throwing on the potter's wheel; introduces formulation of basic glazes and kiln firing; stresses evaluation of clay forms through art criticism. Year III presents ceramic/pottery forms in historical context; explores ideas and questions about purposes and functions of ceramic forms, past and present. Year IV emphasizes form and surface treatments using tools, glazes, resists and multiple clay bodies.

**Drawing I, II**

**1 Unit**

CIP #: 50.03110 (I)

CIP #: 50.03120 (II)

Prerequisite: Visual Arts Comprehensive I; Courses must be taken in sequence

Credit Type: L1; Core or elective credit

Description: Explores a variety of drawing techniques and media; emphasizes basic drawing skills and critical analysis for responding to drawings of different historical styles and period; examines solutions to drawing problems.

**Drawing & Painting I, II**

**1 Unit**

CIP #: 50.03130 (I)

CIP #: 50.03140 (II)

Prerequisite: Visual Arts Comprehensive I; Courses must be taken in sequence

Credit Type: L1; Core or elective credit

Description: Explores techniques and a range of drawing and painting media; stresses critical analysis of master paintings and drawings of different styles and historical periods; emphasizes problem-solving techniques to achieve desired results in personal work.

**Photography I – IV**

**1 Unit**

CIP #: 50.07110 (I)

CIP #: 50.07120 (II)

CIP #: 50.07130 (III)

CIP #: 50.07140 (IV)

Prerequisite: Visual Arts Comprehensive I; Courses must be taken in sequence

Credit Type: L1; Core or elective credit

Description: Covers the historical development of photography and photographic design and its cultural influences. Emphasizes the basics of exposing and processing photographs; introduces 35mm photography. Stresses appropriate processing techniques and safe uses of photographic materials and equipment, as well as personal expression of ideas and depth of exploration in selected photo techniques; explores photography and photographers for historical and critical appraisal.

**Visual Arts/Advanced Placement (AP) Studio: Drawing**

**1 Unit**

CIP #: 50.08110

Prerequisite: Visual Arts Comprehensive I; Teacher recommendation

Credit Type: L3; Core or elective credit

Description: Provides experiences using different drawing media and approaches; designed for the student interested in the practical experiences of art. Enrollment in AP includes the commitment to take the AP exam.

**Advanced Placement (AP) Art History**

**1 Unit**

CIP #: 50.09210

Prerequisite: Visual Arts Comprehensive I; Teacher recommendation

Credit Type: L3; Core or elective credit

Description: Explores the nature of art, art making, and responses to art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, course fosters in-depth, holistic understanding of the history of art from a global perspective.

**Visual Arts Work-Based Learning (WBL) Placement**

**.5 or 1 Unit**

**Visual Arts Work-Based Learning (WBL) Placement (Honors)**

CIP #: 50.7XXXXX

Prerequisite: Visual Arts Comprehensive I; Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a related course or previously taken a related course

Credit Type: L1 or L2; Core or elective credit

Description: Develops transferable employability skills and awareness of workplace culture; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

**PROFESSIONAL/CAREER PREPARATION**

**Mentorship I – IV (Honors)**

**.5 or 1 Unit**

CIP #: 70.01100 (I)

CIP #: 70.01200 (II)

CIP #: 70.01300 (III)

CIP #: 70.01400 (IV)

Prerequisite: Students must be in 11<sup>th</sup> or 12<sup>th</sup> grade and must apply (and be selected) to participate

Credit Type: L2; Elective credit

Description: Designed to meet the needs of academically able and highly motivated students, learning objectives are developed jointly by the student, community mentor, gifted program personnel and, as needed, department faculty and central office curriculum staff; the mentorship experience is designed to extend academic knowledge and skills in an area of interest in ways that are advanced well beyond the objectives typically taught at the high school level; a student contract is developed to include the specific learning goals and objectives, a plan for achieving the objectives, a proposal for a final project or product, a plan for professional presentation of the product, and the criteria by which the product will be evaluated.

**Directed Study I – IV (Honors)**

**1 Unit**

CIP #: 70.03100 (I)

CIP #: 70.03200 (II)

CIP #: 70.03300 (III)

CIP #: 70.03400 (IV)

Prerequisite: Approval of school's Gifted Coordinator

Credit Type: L2; Elective credit

Description: Allows gifted or other high-achieving students to learn academic content and skills at an advanced level; individualized learning objectives are developed jointly by the student, gifted program personnel, and high school faculty. The student develops a contract to include learning goals and objectives, a plan for achieving the objectives, and criteria by which the student's performance will be evaluated.

**Community Service Learning I – IV**

**1 Unit**

CIP #: 70.04100 (I)

CIP #: 70.04200 (II)

CIP #: 70.04300 (III)  
CIP #: 70.04400 (IV)  
Prerequisite: Recommendation of IEP team  
Credit Type: L1; Elective credit

Description: This is a community-based class designed to meet the learning needs of students. The emphasis of these courses is on occupational preparedness, functional academics, daily living, communication, and personal-social skills.

## HEALTH and PHYSICAL EDUCATION

### Health

.5 Unit

CIP #: 17.01100  
Prerequisite: None  
Credit Type: L1; **Required for all students; available as E-course**

Description: Explores the mental, physical, and social aspects of life and how each contributes to total health and well-being; emphasizes safety, nutrition, mental health, substance abuse prevention, disease prevention, environmental health, family life education, consumer health, health careers and community health.

### Personal Fitness

.5 Unit

#### Advanced Personal Fitness

CIP #: 36.05100 (Personal Fitness)  
CIP #: 36.06100 (Advanced Personal Fitness)  
Prerequisite: None  
Credit Type: L1; **Required for all students; available as E-course**

Description: Focuses on developing a lifetime fitness program based on a personal fitness assessment and stresses strength, muscular endurance, flexibility, body composition and cardiovascular endurance. Includes fitness principles, nutrition, fad diets, weight control, stress management, adherence strategies and consumer information; promotes self-awareness and responsibility for fitness.

### Weight Training

.5 or 1 Unit

#### Weight Training (Advanced)

CIP #: 36.05400  
CIP #: 36.06400  
Prerequisite: Courses must be taken in sequence; full unit must be earned before enrolling for the next course in the sequence  
Credit Type: L1; Elective credit only

Description: Introduces weight training; emphasizes strength development training and proper lifting techniques; includes fitness concepts for developing healthy lifetime habits. Advanced course increases strength and cardiovascular fitness through an individualized weight training program, emphasizing self-management and adherence strategies.

### Body Sculpting

.5 or 1 Unit

#### Body Sculpting (Advanced)

CIP #: 36.05600  
CIP #: 36.06600  
Prerequisite: Courses must be taken in sequence  
Credit Type: L1; Elective credit only

Description: Provides methods to redefine body shape through specific exercises. Covers weight training, conditioning exercises and proper nutrition to improve muscle tone, muscle definition, posture, bodily proportions, overall condition of the body and increase energy levels. Based on the American College of Sports Medicine guidelines for fitness and conditioning programs.

### Physical Conditioning

.5 or 1 Unit

#### Physical Conditioning (Advanced)

CIP #: 36.05200  
CIP #: 36.06200  
Prerequisite: Courses must be taken in sequence; full unit must be earned before enrolling for the next course in the sequence  
Credit Type: L1; Elective credit only

Description: Enhances flexibility, muscular strength and endurance, cardiovascular endurance and body composition. Includes fitness concepts for the development of healthy lifetime habits. Advanced course enhances cardiovascular endurance, flexibility, muscular strength and endurance and body composition; emphasizes self-management and adherence strategies.

### Exercise and Weight Control

.5 or 1 Unit

#### Exercise and Weight Control (Advanced)

CIP #: 36.05500  
CIP #: 36.06500  
Prerequisite: Courses must be taken in sequence; full unit must be earned before enrolling for the next course in the sequence  
Credit Type: L1; Elective credit only



Description: Provides safe, effective and physiologically sound ways to manage weight and alter body composition and metabolism; includes consumer information on products, programs and fitness concepts for developing healthy lifetime habits. The advanced course provides self-management and adherence strategies to continue weight control through a safe and effective exercise program.

**Recreational Games (Introductory)**

**.5 or 1 Unit**

**Recreational Games (Intermediate)**

**Recreational Games (Advanced)**

CIP #: 36.02700

CIP #: 36.03700

CIP #: 36.04700

Prerequisite: Courses must be taken in sequence; full unit must be earned before enrolling for the next course in the sequence

Credit T: L1; Elective credit only

Description: Introduces recreational games suitable for lifetime leisure activities, emphasizing the rules of each game and the skills necessary to play. Recreational games includes, but may not be limited to, volleyball, ultimate Frisbee, and kickball. Intermediate and Advanced courses enhance skills in Introductory course.

**Team Sports (Introductory)**

**.5 or 1 Unit**

**Team Sports (Intermediate)**

**Team Sports (Advanced)**

CIP #: 36.02100

CIP #: 36.03100

CIP #: 36.04100

Prerequisite: Courses must be taken in sequence; full unit must be earned before enrolling for the next course in the sequence

Credit Type: L1; Elective credit only

Description: Introduces fundamental skills, strategies, and rules associated with team sports including, but not limited to, football, basketball, and soccer; intermediate class emphasizes rules of each game and skills needed to play; advanced class provides opportunities to officiate.

**CAREER/TECHNOLOGY**

Students are encouraged to pursue a pathway of career interest by completing a sequence of three or four courses in a specific area. Upon completion of the pathway, students will take an end-of-pathway assessment and could possibly earn a national industry certification, or a national/state occupational certification of their technical skill attainment.

**AGRICULTURE, FOOD & NATURAL RESOURCES**

The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

**Agriculture Mechanics Systems Pathway (L)**

- Basic Agriculture Science
- Agricultural Mechanics Technology I
- Agricultural Mechanics Technology II

**Agriculture Mechanics/Metal Fabrication (L)**

- Basic Agriculture Science
- Agricultural Mechanics Technology I
- Agricultural Metals Fabrication

**Basic Agriculture Science**

**1 Unit**

CIP #: 02.47100

Prerequisite: None

Credit Type: L1; Core or elective credit

Description: Introduces the major areas of scientific agricultural production and research; presents introductory skills, problem solving lessons, and knowledge in agricultural science and agri-related technologies. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

**Agricultural Mechanics Technology I – II**

**1 Unit**

CIP #: 01.42100

CIP #: 01.42200

Prerequisite: Basic Agriculture recommended

Credit Type: L1; Core or elective credit

Description: Introduces selected major areas of agricultural mechanics technology including small engine maintenance and repair, metal fabrication, concrete construction, building construction, plumbing, electrical wiring, maintenance of agricultural machinery, tractors,

equipment, and soil and water conservation. Learning activities include skill development and problem-solving. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

### **Agricultural Metals Fabrication**

**1 Unit**

CIP #: 01.42400

Prerequisite: Basic Agriculture and Agricultural Mechanics I recommended

Credit Type: L1; Core or elective credit

Description: Designed to provide students with a more in-depth study of agricultural metal fabrication. Students interested in agricultural mechanics will have the opportunity to explore the many career possibilities in the field of agricultural metal fabrication. Additionally, hands-on-laboratory activities enhance the classroom learning experience and provide students with the skills needed to participate in Supervised Agricultural Experience Programs and FFA Career Development Events. *Course available only at Lanier College Career Academy (LCCA) and North Hall High School.*

### **Agriculture, Food & Natural Resources Work-Based Learning (WBL) Placement**

**.5 or 1 Unit**

#### **Agriculture, Food & Natural Resources Work-Based Learning (WBL) Placement (Honors)**

CIP #: 01.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a CTAE course or previously taken a CTAE course

Credit Type: L1 or L2; Core or elective credit

Description: Students will develop transferable employability skills; an awareness of the culture of the workplace; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student employee; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

### **Agriculture, Science & Technology Work-Based Learning (WBL) Placement**

**.5 or 1 Unit**

#### **Agriculture, Science & Technology Work-Based Learning (WBL) Placement (Honors)**

CIP #: 01.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a CTAE course or previously taken a CTAE course

Credit Type: L1 or L2; Core or elective credit

Description: Students will develop transferable employability skills; an awareness of the culture of the workplace; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student employee; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

## **ARCHITECTURE & CONSTRUCTION**

Careers in designing, planning, managing, building and maintaining the built environment.

### **Carpentry Pathway (L)**

- Industry Fund & Occupational Safety
- Introduction to Construction
- Carpentry I

### **Heating, Vent, Air Conditioning & Refrigeration (L)**

- Industry Fund & Occupational Safety
- Introduction to HVACR Systems
- Heating, Ventilation, Air Cond, & Refrigeration

### **HVACR Electrical Pathway (L)**

- Industry Fund & Occupational Safety
- Introduction to HVACR Systems
- Low Voltage Electrical

### **Industry Fundamentals & Occupational Safety**

**1 Unit**

CIP #: 46.54500

Prerequisite: None

Credit Type: L1; Core or elective credit

Description: Develops basic knowledge to function safely on or around a construction site and in the industry in general and is the foundational course that prepares students for a pursuit of any career in the fields of Carpentry, Plumbing, Electrical, Masonry, Machining, or Welding. Course includes: basic content of OSHA standards, construction math, hand and power tools used in the field, general blueprints and basics of rigging safety.

### **Introduction to Construction**

**1 Unit**

CIP #: 46.54600

Prerequisite: Industry Fundamentals and Occupational Safety

Credit Type: L1; Core or elective credit

Description: Students will build on their knowledge and skills developed in Occupational Safety and will be introduced to the history and traditions of the carpentry, masonry, plumbing and electrical craft trades. Course will also include knowledge of the care and safe use of hand and power tools and the differentiation between blueprints as related to each individual craft area.

### **Carpentry I**

**1 Unit**

CIP #: 46.55000

Prerequisite: Introduction to Construction

Credit Type: L1; Core or elective credit

Description: Provides an overview of the building materials used in the carpentry craft. It teaches techniques for reading and using blueprints and specifications especially as related to the carpentry craft. Includes specific knowledge and skills in site layout floor and wall framing systems. Also includes the basic industry terminology for a carpentry craftsman.

### **Carpentry II**

**1 Unit**

CIP #: 46.55100

Prerequisite: Approval of Habitat High Instructor; Carpentry I

Credit Type: L1; Core or elective credit

Description: This course includes knowledge and skills in various kinds of roof systems, layout and cutting types of roof rafters; installing exterior doors and windows; code requirements of building a house. On-site experience in the craft trade areas of building a residential house. *Habitat High students only.*

### **Construction Internship**

**1 Unit**

CIP #: 46.54700

Prerequisite: Approval of Habitat High Instructor

Credit Type: L1; Core or elective credit

Description: This course provides work-based learning experience on a job site. Students work under the supervision of an assigned company mentor who is an accomplished craft journeyman. Students have the opportunity to practice finished work and develop problem solving skills. Students practice adaptability to job equipment and technology and exhibit progressive productivity and acceptable job performance. *Habitat High students only.*

### **Introduction to HVACR Systems**

**1 Unit**

CIP #: 47.41400

Prerequisite: Industry Fundamentals and Occupational Safety

Credit Type: L1; Core or elective credit

Description: Students will be introduced to two-construction craft areas. The goal of the course is to introduce students to the basic building blocks of the HVACR and Low Voltage Electrical craft trades. Students will explore how the crafts affect the mechanical systems in a building and will learn and apply knowledge of the electrical, electronic, and mechanical components related to each trade. In addition, students will be introduced to, and develop skills to differentiate between tools used in each individual craft area. *Course available only at Lanier College Career Academy (LCCA).*

### **Heating, Ventilation, Air-Conditioning Refrigeration**

**1 Unit**

CIP #: 47.41500

Prerequisite: Introduction to HVACR Systems

Credit Type: L1; Core or elective credit

Description: This course is preceded by Introduction to HVACR Systems and provides students with a solid foundation in HVACR skills and knowledge involved with conditioning air within a given space. Students will acquire knowledge of the hardware and systems used by an HVACR technician and basic installation skills. In addition, students will obtain general knowledge of refrigeration and heating processes, including electronic circuitry, and will learn about the integration between electrical and HVACR fields. The course will provide students with an understanding of joining and piping practices in HVACR systems, as well as an introduction to the skills and knowledge of conduit bending and installation. *Course available only at Lanier College Career Academy (LCCA).*

### **Low Voltage Electrical**

**1 Unit**

CIP #: 47.416

Prerequisite: Introduction to HVACR Systems

Credit Type: L1; Core or elective credit

Description: Provides students with a solid foundation in electrical skills and knowledge and the integration with the HVACR systems. Students will learn about installation of hardware and systems used by an HVACR technician/electrician and acquire general knowledge of electrical systems, including series, parallel, and series-parallel circuits. *Course available only at Lanier College Career Academy (LCCA).*

**Construction Technology Work-Based Learning (WBL) Placement**  
**Construction Technology Work-Based Learning (WBL) Placement (Honors)**

**.5 or 1 Unit**

CIP #: 46.7XXX0XX

Prerequisite: Application process required and acceptance into the program

Credit Type: L1 or L2; Core or elective credit; courses are designed as yearlong courses; up to three units may be earned at one time

Description: Students will develop transferable employability skills; an awareness of the culture of the workplace; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student employee; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

**HVAC/Transportation Work-Based Learning (WBL) Placement**

**.5 or 1 Unit**

**HVAC/Transportation Work-Based Learning (WBL) Placement (Honors)**

CIP #: 47.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a CTAE course, career field of interest or previously taken a CTAE course

Credit Type: L1 or L2; Core or elective credit

Description: Students will develop transferable employability skills; an awareness of the culture of the workplace; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student employee; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

<b>ARTS, A/V TECHNOLOGY &amp; COMMUNICATIONS</b>
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Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism and entertainment services.

**Graphics Design Pathway (F) <sup>H</sup>**

- Introduction to Graphics and Design
- Graphic Design and Production
- Advanced Graphic Design

**Graphics Communications Pathway (F) <sup>H</sup>**

- Introduction to Graphics and Design
- Graphic Design and Production
- Advanced Graphic Output Processes

**Introduction to Graphics and Design**

**1 Unit**

**Introduction to Graphics and Design (Honors)**

CIP #: 48.56100

Prerequisite: None; Teacher recommendation for honors

Credit Type: L1 or L2; Core or elective credit

Description: Introduces students to graphic communications; includes an introduction to a graphic arts career field, digital file preparation, press operations, measurement, safety & first aid, and math for printing.

**Graphic Design and Production**

**1 Unit**

**Graphic Design and Production (Honors)**

CIP #: 48.56200

Prerequisite: Introduction to Graphics and Design; Teacher recommendation for honors

Credit Type: L1 or L2; Core or elective credit

Description: Focuses on the procedures commonly used in the graphic communication and design industries. Experience in creative problem solving and the practical implementation of solutions across multiple areas of graphic communications will be gained.

**Advanced Graphic Output Processes**

**1 Unit**

**Advanced Graphic Output Processes (Honors)**

CIP #: 48.57000

Prerequisite: Graphic Design and Production

Credit Type: L1 or L2; Core or elective credit

Description: Learn to manage the output and completion process as a whole including customer relations management, printing, finishing, and binding.

**Advanced Graphic Design**

**1 Unit**

**Advanced Graphic Design (Honors)**

CIP #: 48.528

Prerequisite: Graphic Design and Production

Credit Type: L1 or L2; Core or elective credit

Description: Continue to explore the principles of design and layout procedures as they relate to graphic design. Focuses on electronic systems and software programs used in graphic design, page composition, image conversion, and digital printing.

**Arts, A/V Technology & Communications Work-Based Learning (WBL) Placement**

**.5 or 1 Unit**

**Arts, A/V Technology & Communications Work-Based Learning (WBL) Placement (Honors)**

CIP #: 10.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a CTAE course, career field of interest or previously taken a CTAE course  
Credit Type: L1 or L2; Core or elective credit

Description: Students will develop employability skills, awareness of the workplace culture, & master predetermined learning objectives identified with a training plan between the employer and student employee; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

**Precision Production Occupations Work-Based Learning (WBL) Placement** **.5 or 1 Unit**  
**Precision Production Occupations Work-Based Learning (WBL) Placement (Honors)**

CIP #: 48.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a CTAE course or previously taken a CTAE course  
Credit Type: L1 or L2; Core or elective credit

Description: Develop transferable employability skills; an awareness of the culture of the workplace; mastery of a set of learning objectives identified with a training plan between the employer & student employee; understanding of the workplace & self-awareness of related career interests; identification of specific work tasks that will develop workplace competency & portfolio development.

**BUSINESS, MANAGEMENT & ADMINISTRATION**

Careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.

**Business Management Work-Based Learning (WBL) Placement** **.5 or 1 Unit**  
**Business Management Work-Based Learning (WBL) Placement (Honors)**

CIP #: 06.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a CTAE course or previously taken a CTAE course.  
Credit Type: L1 or L2; Core or elective credit

Description: Students will develop transferable employability skills; an awareness of the culture of the workplace; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student employee; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

**Business Computer Science Work-Based Learning (WBL) Placement** **.5 or 1 Unit**  
**Business Computer Science Work-Based Learning (WBL) Placement (Honors)**

CIP #: 07.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a CTAE course, career field of interest or previously taken a CTAE course  
Credit Type: L1 or L2; Core or elective credit

Description: Students will develop transferable employability skills; an awareness of the culture of the workplace; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student employee; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

**EDUCATION & TRAINING**

Planning, managing and providing education and training services, and related learning support services such as administration, teaching/training, administrative support, and professional support services.

**Early Childhood Care & Education Pathway\* (F, J, N)**

- Early Childhood Education I
- Early Childhood Education II
- Early Childhood Education III

*\* Beginning in school year 2017-18, students will earn one unit of credit in Food for Life with successful completion of all three courses in the Early Childhood Care & Education Pathway. All three courses must be completed while enrolled in the Hall County School District. A grade of "P" (Pass) will be awarded.*

**Early Childhood Education I** **1 Unit**

CIP #: 20.5281

Prerequisite: None

Credit Type: L1; Core or elective credit

Description: The foundational course in the Early Childhood pathway and addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children.

**Early Childhood Education II****1 Unit**

CIP #: 20.42400

Prerequisite: Early Childhood Education I

Credit Type: L1; Core or elective credit

Description: Provides a history of education, licensing and accreditation requirements, and foundations of basic observation practices and applications. Early childhood care, education, and development issues are also addressed and include health, safety, and nutrition education; certification in CPR/First Aid/Fire Safety; information about child abuse and neglect; symptoms and prevention of major childhood illnesses and diseases; and prevention and control of communicable illnesses.

**Early Childhood Education III****1 Unit**

CIP #: 20.42500

Prerequisite: Early Childhood Education II

Credit Type: L1; Core or elective credit

Description: The course provides in-depth study of early brain development and its implications for early learning, appropriate technology integration, and developmentally appropriate parenting and child guidance trends. Also addressed are collaborative parent/teacher/child relationships and guidance, child directed play, the changing dynamics of family culture and diversity, the causes and effects of stress on young children, and infant nutrition.

**Education & Training Work-Based Learning (WBL) Placement****.5 or 1 Unit****Education & Training Work-Based Learning (WBL) Placement (Honors)**

CIP #: 13.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a CTAE course or previously taken a CTAE course

Credit Type: L1 or L2; Core or elective credit

Description: Students will develop transferable employability skills; an awareness of the culture of the workplace; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student employee; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

**Early Childhood/Culinary Work-Based Learning (WBL) Placement****.5 or 1 Unit****Early Childhood/Culinary Work-Based Learning (WBL) Placement (Honors)**

CIP #: 20.7XXX0XX

Prerequisite: Application process required and acceptance into the program

Credit Type: L1 or L2; Core or elective credit

Description: Provides work-site learning experiences for student interested in culinary arts careers. Students will develop transferable employability skills; an awareness of the culture of the workplace; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student employee; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

**HEALTH SCIENCE**

Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

**Therapeutic Services-Allied Health & Medicine <sup>H</sup> (F)**

- Introduction to Healthcare Science
- Essentials of Healthcare
- Allied Health & Medicine

**Therapeutic Services-Sports Medicine <sup>H</sup> (F)**

- Introduction to Healthcare Science
- Essentials of Healthcare
- Sports Medicine

**Diagnostics/Phlebotomy Pathway (F)**

- Introduction to Healthcare Science
- Essentials of Healthcare
- Diagnostics/Phlebotomy

**Introduction to Healthcare Science****1 Unit****Introduction to Healthcare Science (Honors)**

CIP #: 25.521

Prerequisite: None

Credit Type: L1 or L2; Core or elective credit

Description: The foundational course for all Health Science pathways. This course will enable students to receive initial exposure to the many Healthcare Science careers as well as employability, communication, and technology skills necessary in the healthcare industry. The concepts of human growth and development, interaction with patients and family members, health, wellness, and preventative care are evaluated, as well as the legal, ethical responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including microbiology, basic life support and first aid.

**Essentials of Healthcare**  
**Essentials of Healthcare (Honors)**

**1 Unit**

CIP #: 25.44000

Prerequisite: Introduction to Healthcare Science

Credit Type: L1 or L2; Core or elective credit; **course meets fourth science requirement for students entering ninth grade in 2008 and later and is recognized by the Board of Regents as such; beginning in 2015, students who earn credit for this course will also receive credit for Human Anatomy and Physiology, CIP #: 26.07300**

Description: Anatomy and Physiology is a vital part of most healthcare post-secondary education programs. The Essentials of Healthcare is a medical-focused anatomy course addressing the physiology of each body system, along with the investigation of common diseases, disorders and emerging diseases. The prevention of disease and the diagnosis and treatment that might be utilized are addressed, along with medical terminology related to each system.

**Allied Health and Medicine**  
**Allied Health and Medicine (Honors)**

**1 Unit**

CIP #: 25.43700

Prerequisite: Essentials of Healthcare

Credit Type: L1 or L2; Core or elective credit

Description: This course is designed to offer students (preferably upper classmen - juniors or seniors) the opportunity to become effective and efficient multi-skilled healthcare providers as they develop a working knowledge of various allied health opportunities.

**Sports Medicine**  
**Sports Medicine (Honors)**

**1 Unit**

CIP #: 25.44600

Prerequisite: Introduction to Healthcare Science

Credit Type: L1 or L2; Core or elective credit; **course meets fourth science requirement for students entering ninth grade in 2008 and later and is recognized by the Board of Regents as such**

Description: The course is appropriate for students who wish to pursue a career in healthcare with a focus on the musculoskeletal system, injury assessment, injury prevention, or rehabilitation including careers in Sports Medicine and Rehabilitative Services. The concepts of anatomy and physiology, assessment, preventative and rehabilitative care are introduced.

**Diagnostics Phlebotomy**

**1 Unit**

CIP #: 25.57400

Prerequisite: Introduction to Healthcare Science; Essentials of Healthcare

Credit Type: L1; Core or elective credit

Description: Course is designed to help students become prepared for the phlebotomy technician certification exam, upon completion of all required components. Topics covered in this course include employability skills, careers, terminology and equipment, safety and compliance, quality assurance, site-specific anatomy, patient preparation for venipuncture, performing of venipuncture, and special processing and transport. During this course, simulated venipuncture may be performed.

**Health Science Technology Work-Based Learning (WBL) Placement**  
**Health Science Technology Work-Based Learning (WBL) Placement (Honors)**

**.5 or 1 Unit**

CIP #: 25.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a CTAE course or previously taken a CTAE course

Credit Type: L1 or L2; Core or elective credit

Description: Students develop transferable employability skills, awareness of the culture of the workplace, mastery of a set of learning objectives identified with a training plan between employer and student employee; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

**HOSPITALITY and TOURISM**

Preparing individuals for employment in career pathways that relate to families and human needs such as restaurant and food/beverage services, lodging, travel and tourism, recreation, amusement and attractions.

**Hospitality, Recreation & Tourism Pathway (L)**

- Marketing Principles
- Hospitality, Recreation & Tourism Essentials
- Hospitality, Recreation/Tourism Management

**Culinary Arts Pathway\* (L)**

- Introduction to Culinary Arts
- Culinary Arts I
- Culinary Arts II

*\* Beginning in school year 2017-18, students will earn one unit of credit in Food Science with successful completion of all three courses in the Culinary Arts Pathway. All three courses must be completed while enrolled in the Hall County School District. A grade of "P" (Pass) will be awarded.*

**Marketing Principles****1 Unit**

CIP #: 08.474

Prerequisite: None

Credit Type: L1; Core or elective credit

Description: The foundational course for Marketing pathways and addresses all the ways in which marketing satisfies consumer and business needs and wants for products and services. Students develop a basic understanding of Employability, Foundational and Business Administration skills, Economics, Entrepreneurship, Financial Analysis, Human Resources Management, Information Management, Marketing, Operations, Professional Development, Strategic Management, and Global Marketing strategies.

**Hospitality, Recreation & Tourism Essentials****1 Unit**

CIP #: 08.45300

Prerequisite: None

Credit Type: L1; Core or elective credit

Description: Focuses on the basics of marketing and business in relation to the hospitality, recreation, and tourism industry in the U.S. and abroad. Students will study destination geography, world economies, and historical timelines related to major segments of the hospitality industry and will determine how the lodging industry uses marketing to achieve goals. The vital roles of group, convention and meeting planning, human relations, communications and ethics will be discussed along with the recreation industry segment. *Course available only at Lanier College Career Academy (LCCA).*

**Hospitality, Recreation & Tourism Management****1 Unit**

CIP #: 08.45400

Prerequisite: Hospitality, Recreation &amp; Tourism Essentials; Honors requires recommendation of Hospitality teacher

Credit Type: L1 or L2; Core or elective credit

Description: Analyze operations, control systems, management structures, service levels, cost effective operations and related technology in the hospitality industry. Demonstrate skills in handling legal and liability issues and human resources functions and develop an innate understanding that exemplary customer service skills define success in the industry. *Course available only at Lanier College Career Academy (LCCA).*

**Marketing Research (Marketing Applications in Hospitality or Advertising)****1 Unit**

CIP #: 08.480

Prerequisite: Marketing Principles or approval of instructor; Honors requires recommendation of Hospitality/Advertising teacher

Credit Type: L1 or L2; Core or elective credit

Description: Students will gain an understanding of marketing research and the important role it plays in the field of hospitality or advertising. By using primary and secondary research, the students will learn the value of knowing the customer, be able to identify a viable target market, and then create and execute a marketing plan stemming from the research. Students will learn to examine collection methods, control groups, and other important aspects of conducting research within the context of the hospitality or advertising industry. Student research, experimentation, and results will be applied to the running of a business.

**Hospitality Practicum****.5 or 1 Unit**

CIP #: 08.7XXX0X3

Prerequisite: Application process required

Credit Type: L1; Core or elective credit

Description: Introduces students to the hospitality industry through hands-on rotations in business settings related to the hotel, food, tourism, travel, and recreation industries. Exposes students to general business and marketing responsibilities needed for success in the hospitality industry. Students will work with community and business leaders from around the state in real business situations in the Meetings & Events conference facility, Get Gifted specialty retail store, and the Sales & Marketing Department of The Oaks. *Course available only at Lanier College Career Academy (LCCA).*

**Marketing, Sales & Service Work-Based Learning (WBL) Placement****.5 or 1 Unit****Marketing, Sales & Service Work-Based Learning (WBL) Placement (Honors)**

CIP #: 08.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; &amp; concurrently enrolled in a CTAE course or previously taken a CTAE course

Credit Type: L1 or L2; Core or elective credit

Description: Students will develop transferable employability skills; an awareness of the culture of the workplace; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student employee; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

**Introduction to Culinary Arts****1 Unit**

CIP #: 20.53100

Prerequisite: None

Credit Type: L1; Core or elective credit



Description: Introduces fundamental food preparation terms, concepts, and methods where laboratory practice parallel class work. Fundamental techniques, skills, and terminology are covered with an emphasis on basic kitchen and dining room safety, sanitation, equipment maintenance and operation procedures. Course also provides an overview of the professionalism in the industry and career opportunities leading to a career pathway in Culinary Arts. *Course available only at Lanier College Career Academy (LCCA).*

### **Culinary Arts I**

**1 Unit**

CIP #: 20.53210

Prerequisite: Introduction to Culinary Arts

Credit Type: L1; Core or elective credit

Description: Building from techniques and skills learned in Introduction to Culinary Arts, this fundamentals course begins to involve in-depth knowledge and hands on skill master of Culinary Arts. *Course available only at Lanier College Career Academy (LCCA).*

### **Culinary Arts II**

**1 Unit**

CIP #: 20.53310

Prerequisite: Culinary Arts I

Credit Type: L1; Core or elective credit

Description: Course build on techniques and skills learned in Culinary Arts I with strong importance given to refining hands on production of the classic fundamentals in the commercial kitchen. *Course available only at Lanier College Career Academy (LCCA).*

### **Culinary Practicum**

**.5 or 1 Unit**

CIP #: 20.7XXX0X3

Prerequisite: Completion of the Culinary Arts Pathway courses

Credit Type: L1; Core or elective credit

Description: Introduces students to the culinary industry through hands-on rotations in business settings. Exposes students to general responsibilities needed for success in the culinary industry and continues to build on techniques and skills needed in the commercial kitchen. *Course available only at Lanier College Career Academy (LCCA).*

### **Culinary/Early Childhood Work-Based Learning (WBL) Placement**

**.5 or 1 Unit**

#### **Culinary/Early Childhood Work-Based Learning (WBL) Placement (Honors)**

CIP #: 20.7XXX0XX

Prerequisite: Application process required and acceptance into the program; approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a CTAE course or previously taken a CTAE course

Credit Type: L1 or L2; Core or elective credit

Description: Provides work-site learning experiences for student interested in culinary arts careers. Students will develop transferable employability skills; an awareness of the culture of the workplace; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student employee; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

## **HUMAN SERVICES**

Preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care, and consumer services.

### **Personal Care Services-Cosmetology (L)**

- Intro to Personal Care Services
- Cosmetology Services II
- Cosmetology Services III

### **Food & Nutrition Pathway (F)**

- Food, Nutrition & Wellness
- Food for Life
- Food Science

### **Introduction to Personal Care Services**

**1 Unit**

CIP #: 12.544

Prerequisite: None

Credit Type: L1; Core or elective credit

Description: Introduces both fundamental theory and practices of the personal care professions including nail technicians, estheticians, barbers, and cosmetologists. Emphasis will be placed on professional practices and safety. Areas addressed in this course include: state rules and regulations, professional image, bacteriology, decontamination and infection control, chemistry fundamentals, safety, Hazardous Duty Standards Act compliance, and anatomy and physiology. Students will experience basic hands on skills in each area to help them determine the pathway they are most interested in pursuing. *Course available only at Lanier College Career Academy (LCCA).*

**Cosmetology Services II****1 Unit**

CIP #: 12.41000

Prerequisite: Introduction to Personal Care Services; courses must be taken in sequence

Credit Type: L1; Core or elective credit

Description: Designed to enhance the understanding of anatomy of the skin and hair relating to the Cosmetology Industry. Students will master shampooing, permanent waving, haircutting, basic skin care, and make-up application while maintaining safety and sanitation in the workplace set forth by OSHA standards. *Course available only at Lanier College Career Academy (LCCA).*

**Cosmetology Services III****1 Unit**

CIP #: 12.41100

Prerequisite: Introduction to Personal Care Services; courses must be taken in sequence

Credit Type: L1; Core or elective credit

Description: Course will cover haircutting, hair color, and relaxers. Both theory and practical work will be implemented for students to have basic entry level skills in the field of cosmetology. Safety and infection control will be applied throughout this course. Professional work ethics, communication skills, critical thinking skills, soft skills and professional image will be utilized during this course. *Course available only at Lanier College Career Academy (LCCA).*

**Cosmetology Services Core IV****1 Unit**

CIP #: 12.549

Prerequisite: Cosmetology Services III

Credit Type: L1; Core or elective credit

Description: Provides in-depth competencies in chemical procedures, including permanent waving, chemical relaxing and hair coloring. *Course available only at Lanier College Career Academy (LCCA).*

**Advanced Cosmetology Services****1 Unit**

CIP #: 12.550

Prerequisite: Cosmetology Services III

Credit Type: L1; Core or elective credit

Description: Designed to enhance competencies in chemical hair processing techniques on the hair, specifically in permanent waving, chemical relaxing, and hair coloring techniques. *Course available only at Lanier College Career Academy (LCCA).*

**Cosmetology Practicum I (Internship I)****1 Unit**

CIP #: 12.55

Prerequisite: Cosmetology Services III

Credit Type: L1; Core or elective credit

Description: Provides experiences necessary for the development of skill levels required to become a cosmetologist. Topics include: chemical texturing, hair color and bleaching, skin, scalp, and hair treatments, styling, haircutting, manicuring and pedicuring. *Course available only at Lanier College Career Academy (LCCA).*

**Cosmetology Practicum II (Internship II)****1 Unit**

CIP #: 12.552

Prerequisite: Cosmetology Services III

Credit Type: L1; Core or elective credit

Description: Provides additional experiences necessary for the development of skill levels required to become a cosmetologist. Topics include: chemical texturing, hair color and bleaching, skin, scalp, and hair treatments, styling, haircutting, manicuring and pedicuring. *Course available only at Lanier College Career Academy (LCCA).*

**Cosmetology Practicum III (Internship III)****1 Unit**

CIP #: 12.553

Prerequisite: Cosmetology Services III

Credit Type: L1; Core or elective credit

Description: Provides additional experiences necessary for the development of skill levels required to become a cosmetologist. Topics include: reception duties; dispensary duties; hairdressing, shampoo and comb out; permanent waving; chemical relaxing; hair coloring and lightening; scalp and hair treatment; facial treatment, makeup and arching; and, manicuring and pedicuring. *Course available only at Lanier College Career Academy (LCCA).*

**Personal Services Work-Based Learning (WBL) Placement****.5 or 1 Unit****Personal Services Work-Based Learning (WBL) Placement (Honors)**

CIP #: 12.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a CTAE course or previously taken a CTAE course

Credit Type: L1 or L2; Core or elective credit

Description: Students develop transferable employability skills, awareness of the culture of the workplace, mastery of a set of learning objectives identified with a training plan between employer and student employee; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

### **Food, Nutrition & Wellness**

**1 Unit**

CIP #: 20.41610

Prerequisite: None

Credit Type: L1; Core or elective credit

Description: The foundational course in the Nutrition & Food Science pathway with the focus of the course centered on healthy food and lifestyle choices. Students will investigate the interrelationship of food, nutrition and wellness to promote good health.

### **Food for Life**

**1 Unit**

CIP #: 20.414

Prerequisite: Food, Nutrition & Wellness recommended

Credit Type: L1; Core or elective credit; **course meets fourth science requirement for students entering ninth grade in 2008 and later and is recognized by the Board of Regents as such. Beginning in school year 2017-18, students will earn one unit of credit in Food for Life with successful completion of all three courses in the Early Childhood Care & Education pathway. All three Early Childhood Education pathway courses must have been completed while enrolled in the Hall County School District. A grade of "P" (Pass) will be awarded.**

Description: Addresses the variation in nutritional needs at specific stages of the human life cycle: lactation, infancy, childhood, adolescence, and adulthood including elderly. Provides knowledge for real life and offers students a pathway into dietetics, consumer foods, and nutrition science careers with additional education at the post-secondary level.

### **Food Science**

**1 Unit**

CIP #: 20.41810

Prerequisite: Food, Nutrition & Wellness

Credit Type: L1; Core or elective credit; **course satisfies the fourth science requirement for students entering ninth grade in 2008 and later, but is recognized by the Board of Regents as such. Beginning in school year 2017-18, students will earn one unit of credit in Food Science with successful completion of all three courses in the Culinary Arts pathway. All three Culinary Arts pathway courses must have been completed while enrolled in the Hall County School District. A grade of "P" (Pass) will be awarded.**

Description: Evaluate the effects of processing, preparation, and storage on the quality, safety, wholesomeness, and nutritive value of foods in an applied context, exposing students to the wonders of the scientific world.

### **Early Childhood/Culinary Work-Based Learning (WBL) Placement**

**.5 or 1 Unit**

#### **Early Childhood/Culinary Work-Based Learning (WBL) Placement (Honors)**

CIP #: 20.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a CTAE course or previously taken a CTAE course

Credit Type: L1 or L2; Core or elective credit

Description: Students develop transferable employability skills, awareness of the culture of the workplace, mastery of a set of learning objectives identified with a training plan between employer and student employee; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

## **INFORMATION TECHNOLOGY**

Building linkages in Information Technology occupations for entry level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services.

#### **Web & Digital Design Pathway (F)**

- Introduction to Digital Technology
- Digital Design
- Web Design

#### **Programming Pathway (F) <sup>H</sup>**

- Introduction to Digital Technology
- Computer Science Principles **OR** AP Computer Science Prin
- Programming, Games, Apps and Society

### **Introduction to Digital Technology**

**1 Unit**

#### **Introduction to Digital Technology (Honors)**

CIP #: 11.415

Prerequisite: None

Credit Type: L1 or L2; Core or elective credit

Description: The foundational course and is designed for students to understand, communicate, & adapt to a digital world as it impacts their personal life, society, and the business world. Exposure to foundational knowledge in hardware, software, programming, web design,

IT support, and networks are all taught in a computer lab with hands-on activities and project focused tasks. Students will not only understand the concepts, but apply their knowledge to situations and defend their actions/decisions/choices through the knowledge and skills acquired in this course. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry.

### **Digital Design**

**1 Unit**

CIP #: 11.45100

Prerequisite: Introduction to Digital Technology

Credit Type: L1; Core or elective credit

Description: Using web design as the platform for product design and presentation, students will create and learn digital media applications using elements of text, graphics, animation, sound, video and digital imaging for various format. Emphasis will be placed on effective use of tools for interactive multimedia production including storyboarding, visual development, project management, digital citizenship, and web processes. Students will create and design web sites that incorporate digital media elements to enhance content of web site.

### **Web Design**

**1 Unit**

CIP #: 11.45200

Prerequisite: Digital Design

Credit Type: L1; Core or elective credit

Description: Work with web page layout and graphical elements to create a professional looking web site. Various forms of technologies will be used to expose students to resources, software, and applications of web design. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are enhanced in this course to prepare students to be college and career ready.

### **Computer Science Principles**

**1 Unit**

#### **Computer Science Principles (Honors)**

CIP #: 11.471

Prerequisite: Introduction to Digital Technology; teacher recommendation

Credit Type: L1 or L2; Core or elective credit; **course meets fourth science requirement for students entering ninth grade in 2015 and later and is recognized by the Board of Regents as such. Course also meets fourth mathematics or world language requirement; two computer science courses from the same pathway will satisfy two years of sequenced foreign language courses for USG admissions.**

Description: Engage your creativity, demonstrate and build your problem solving ability all while connecting the relevance of computer science to the society! Focuses on building a solid understanding and foundation in computer science and emphasizes the content, practices, thinking and skills central to the discipline of computer science.

### **AP Computer Science Principles**

**1 Unit**

CIP #: 11.019

Prerequisite: Teacher recommendation

Credit Type: L3; Core or elective credit; **course meets fourth science requirement for students entering ninth grade in 2015 and later and is recognized by the Board of Regents as such. Course also meets fourth mathematics or world language requirement; two computer science courses from the same pathway will satisfy two years of sequenced foreign language courses for USG admissions.**

Description: Engage your creativity, demonstrate and build your problem solving ability all while connecting the relevance of computer science to the society! Focuses on building a solid understanding and foundation in computer science and emphasizes the content, practices, thinking and skills central to the discipline of computer science.

### **Programming, Games, Apps, Society**

#### **Programming, Games, Apps and Society (Honors)**

**1 Unit**

CIP# 11.47200

Prerequisite: Computer Science Principles

Credit Type: L1 or L2; Core or elective credit; **course meets fourth science requirement for students entering ninth grade in 2015 and later and is recognized by the Board of Regents as such. Course also meets fourth mathematics or world language requirement; two computer science courses from the same pathway will satisfy two years of sequenced foreign language courses for USG admissions.**

Description: Course is designed for students to strategize, design, and develop games and mobile and desktop applications that can be produced in the real world. Students will learn about life-cycles of project development and use models to develop applications. Attention will be placed on how user interfaces affect the usability and effectiveness of a game or an application.

### **Information Technology Work-Based Learning (WBL) Placement**

**.5 or 1 Unit**

#### **Information Technology Work-Based Learning (WBL) Placement (Honors)**

CIP #: 11.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a CTAE course or previously taken a CTAE course

Credit Type: L1 or L2; Core or elective credit

Description: Develops transferable employability skills and awareness of workplace culture; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

## LAW, PUBLIC SAFETY & SECURITY

Prepares students with basic knowledge and skills for careers in the public safety and protective services.

### **Law, Public Safety & Security Work-Based Learning (WBL) Placement**

**.5 or 1 Unit**

### **Law, Public Safety & Security Work-Based Learning (WBL) Placement (Honors)**

CIP #: 43.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a CTAE course or previously taken a CTAE course

Credit Type: L1 or L2; Core or elective credit

Description: Develops transferable employability skills and awareness of workplace culture; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

## MANUFACTURING

Prepares students to plan, manage, and perform the processing of materials into intermediate or final products and maintenance for manufacturing/process engineering.

### **Welding Pathway (F)**

- Industry Fund & Occupational Safety
- Introduction to Metals
- Welding I

### **Sheet Metal Pathway (F)**

- Industry Fund & Occupational Safety
- Introduction to Metals
- Sheet Metal I

### **Industry Fundamentals & Occupational Safety**

**1 Unit**

CIP #: 46.54500

Prerequisite: None

Credit Type: L1; Core or elective credit

Description: Develops basic knowledge to function safely on or around a construction site and in the industry in general and is the foundational course that prepares students for a pursuit of any career in the fields of Carpentry, Plumbing, Electrical, Masonry, Machining, or Welding. Course includes: basic content of OSHA standards, construction math, hand and power tools used in the field, general blueprints and basics of rigging safety.

### **Introduction to Metals**

**1 Unit**

CIP #: 48.58100

Prerequisite: Industry Fundamentals & Occupational Safety

Credit Type: L1; Core or elective credit

Description: Designed to familiarize students with fundamentals of various metal occupations for the purpose of preparing them to select either welding, sheet metal, or machining for more highly specialized training in subsequent courses.

### **Welding I**

**1 Unit**

CIP #: 48.55100

Prerequisite: Introduction to Metals

Credit Type: L1; Core or elective credit

Description: Basic knowledge of equipment in oxyfuel and shielded metal arc welding (SMAW). In oxy-fuel area, students will create accurate cuts and perform washing and gouging procedures; critique their work pieces by welding codes, identifying imperfections, common test methods, and evaluate setups to determine proper setup of work and equipment. In SMAW, learn and model proper safety and learn to make judgment calls in selection of electrodes and metal preparation to create beads and fillet welds using various rods.

### **Sheet Metal I**

**1 Unit**

CIP #: 48.58200

Prerequisite: Introduction to Metals

Credit Type: L1; Core or elective credit

Description: Allows students to master basic sheet metal techniques. Course includes the development of skills in basic trade math. Students will identify, rate, select, and use steel and other metals to develop and fabricate basic sheet metal projects. The course includes basic parallel line development and skills using fasteners, hangers, and other support systems.

**Science, Technology, Engineering & Mathematics Work-Based Learning (WBL) Placement .5 or 1 Unit**

**Science, Technology, Engineering & Mathematics Work-Based Learning (WBL) Placement (Honors)**

CIP #: 21.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a CTAE course or previously taken a CTAE course

Credit Type: L1 or L2; Core or elective credit

Description: Students will develop transferable employability skills; an awareness of the culture of the workplace; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student employee; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

**Precision Production Occupations Work-Based Learning (WBL) Placement .5 or 1 Unit**

**Precision Production Occupations Work-Based Learning (WBL) Placement (Honors)**

CIP #: 48.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a CTAE course or previously taken a CTAE course

Credit Type: L1 or L2; Core or elective credit

Description: Students will develop transferable employability skills; an awareness of the culture of the workplace; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student employee; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

**MARKETING, SALES & SERVICE**

Planning, managing, and performing marketing activities to reach organizational objectives such as brand management, professional sales, merchandising, marketing communications and market research.

**Marketing & Management Pathway (F)**

- Marketing Principles
- Marketing & Entrepreneurship
- Marketing Management

**Marketing Comm & Promotion Pathway (F)**

- Marketing Principles
- Introduction to Sports & Entertainment Marketing
- Advanced Sports & Entertainment Marketing

**Marketing Principles**

**1 Unit**

CIP #: 08.474

Prerequisite: None

Credit Type: L1; Core or elective credit

Description: Description: The foundational course for Marketing pathways and addresses all the ways in which marketing satisfies consumer and business needs and wants for products and services. Students develop a basic understanding of Employability, Foundational and Business Administration skills, Economics, Entrepreneurship, Financial Analysis, Human Resources Management, Information Management, Marketing, Operations, Professional Development, Strategic Management, and Global Marketing strategies.

**Marketing & Entrepreneurship**

**1 Unit**

CIP #: 08.44100

Prerequisite: Marketing Principles

Credit Type: L1; Core or elective credit

Description: Begins an in-depth and detailed study of marketing while also focusing on management with specific emphasis on small business ownership. Builds on the theories learned in Marketing Principles by providing practical application scenarios which test these theories. In addition, focuses on the role of the supervisor and examines the qualities needed to be successful.

**Marketing Management**

**1 Unit**

CIP #: 08.44200

Prerequisite: Marketing Principles

Credit Type: L1; Core or elective credit

Description: Students assume a managerial perspective by applying economic principles in marketing, analyzing operation's needs, examining channel management and financial alternatives, managing marketing information, pricing products and services, developing

product/service planning strategies, promoting products and services, purchasing, and professional sales. Includes global marketing where students analyze marketing strategies employed in the United States versus those employed in other countries.

### **Promotion & Professional Sales**

**1 Unit**

CIP #: 08.45100

Prerequisite: None; courses may be taken concurrently

Credit Type: L1; Core or elective credit

Description: This course focuses on the performance of key responsibilities required in a retail environment. Students develop skills in pricing, visual merchandising, advertising, special promotions, professional sales, and customer service.

### **Marketing Communications Essentials**

**1 Unit**

CIP #: 08.45200

Prerequisite: None; courses may be taken concurrently

Credit Type: L1; Core or elective credit

Description: Focuses on the communication aspects of the business in relation to customer/consumer relationships. Students develop knowledge and skills in advertising, direct marketing, public relations, sales promotions, and digital marketing communications. Students learn how communications affects budget considerations, marketing information decision-making and all future business opportunities.

### **Design & Business Management Practicum**

**1 Unit**

CIP #: 08.7XXX0X3

Prerequisite: Application process required

Credit Type: L1; Core or elective credit; courses are designed as yearlong courses

Description: If you have successfully completed a marketing, business, graphic design, or visual arts class, this course is for you! Students will work together in the Design 360 Promotions Lab at LCCA to operate a small business on a daily basis. Students will work with real customers in the design, management, and production of printed t-shirts, embroidery, banners, and many other promotional items. Students will be challenged and empowered to manage and grow the Design 360 business, while developing important workplace skills as they learn outside of a traditional classroom. Each student will hold variety of "jobs" within the business including graphic design, new product development, business management, production and operations, marketing, customer service, and finance; *course available only at Lanier College Career Academy (LCCA).*

### **Marketing, Sales & Service Work-Based Learning (WBL) Placement**

**.5 or 1 Unit**

#### **Marketing, Sales & Service Work-Based Learning (WBL) Placement (Honors)**

CIP #: 08.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a CTAE course or previously taken a CTAE course

Credit Type: L1 or L2; Core or elective credit

Description: Students will develop transferable employability skills; an awareness of the culture of the workplace; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student employee; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

## **SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS**

Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.

### **Engineering Drafting & Design Pathway (F)**

- Intro to Drafting & Design
- Survey of Engineering Graphics
- 3D Modeling and Analysis

### **Engineering and Technology Pathway (F) <sup>H</sup>**

- Foundations of Engineering/Technology
- Engineering Concepts
- Engineering Applications

### **Introduction to Drafting & Design**

**1 Unit**

CIP #: 48.54100

Prerequisite: None

Credit Type: L1; Core or elective credit

Description: Introduces the engineering drawing and design field, and is a pre-requisite to all other courses in the Engineering Design and Drawing program. Emphasis is placed on safety, the correct use of tools and equipment, drafting media, sketching, lettering, alphabet of lines, geometric construction, and fundamentals of CAD and multi-view drawings. Students learn traditional drafting techniques through the study of geometric construction at which time they are introduced to computer aided drafting and design.

### **Survey of Engineering Graphics**

**1 Unit**

CIP #: 48.54200

Prerequisite: Introduction to Drafting & Design

Credit Type: L1; Core or elective credit

Description: Enhances the student's knowledge and skills in the engineering drawing and design field. The student learns to illustrate more complex objects using the Computer-Aided Drafting (CAD) system and develop skills in dimensioning, tolerancing, pictorials, sections, auxiliary views, and intersection and developments. While the term computer-aided design (CAD) does not appear in each competency, CAD tools and software are used extensively throughout the course.

### **3D Modeling & Analysis**

**1 Unit**

CIP #: 48.54300

Prerequisite: Introduction to Drafting & Design

Credit Type: L1; Core or elective credit

Description: Focuses on engineering and related mechanical drafting areas that provide more in-depth study of mechanical design. Emphasis is placed on 3-D drawings, wireframes, rendering, solid modeling, and graphic presentations. The student who successfully completes this and other drafting courses should be prepared to take the Drafter Certification Examination from the American Design Drafting Association (ADDA) and should qualify for advanced standing in drafting and design programs in Georgia's technical colleges.

### **Foundations of Engineering and Technology**

**1 Unit**

#### **Foundations of Engineering and Technology (Honors)**

CIP #: 21.42500

Prerequisite: STEM/STEAM Academy acceptance and/or instructor approval

Credit Type: L1 or L2; Core or elective credit

Description: This STEM driven course provides an overview of engineering and technology including the different methods used in the engineering design process developing fundamental technology and engineering literacy. Students will demonstrate the skills and knowledge they have learned through various project based activities while using an engineering design process to successfully master the "E" in STEM.

### **Engineering Concepts**

**1 Unit**

#### **Engineering Concepts (Honors)**

CIP #: 21.47100

Prerequisite: Foundations of Engineering and Technology

Credit Type: L1 or L2; Core or elective credit

Description: This STEM driven course introduces students to the fundamental principles of engineering. Students learn about areas of specialization within engineering and engineering design, and apply engineering tools and procedures as they complete hands-on instructional activities.

### **Engineering Applications**

**1 Unit**

#### **Engineering Applications (Honors)**

CIP #: 21.47200

Prerequisite: Foundations of Engineering and Technology

Credit Type: L1 or L2; Core or elective credit

Description: This STEM driven course provides students with the opportunity to apply engineering design as they develop a solution for a technological problem. Students use applications of mathematics and science to predict the success of an engineered solution and complete hands-on activities with tools, materials, and processes as they develop a working drawings and prototypes.

### **Research, Design, and Project Management (Honors)**

**1 Unit**

CIP#: 21.46100

Prerequisite: Completion of the Engineering Pathway (3 courses) is required.

Credit Type: L2; Core or elective credit

Description: This course provides students with opportunities to work with students from other pathways as a member of a design team. Research strategies, prototype testing and evaluation, and communication skills are emphasized.

### **Science, Technology, Engineering & Mathematics Work-Based Learning (WBL) Placement**

**.5 or 1 Unit**

#### **Science, Technology, Engineering & Mathematics Work-Based Learning (WBL) Placement (Honors)**

CIP #: 21.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a CTAE course or previously taken a CTAE course

Credit Type: L1 or L2; Core or elective credit

Description: Students develop transferable employability skills, an awareness of workplace culture, and master predetermined learning objectives identified by the employer and student employee; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

### **Precision Production Occupations Work-Based Learning (WBL) Placement**

**.5 or 1 Unit**

#### **Precision Production Occupations Work-Based Learning (WBL) Placement (Honors)**

CIP #: 48.7XXX0XX



Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a CTAE course or previously taken a CTAE course

Credit Type: L1 or L2; Core or elective credit

Description: Students will develop transferable employability skills; an awareness of the culture of the workplace; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student employee; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

## TRANSPORTATION, DISTRIBUTION & LOGISTICS

The planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

**HVAC/Transportation Work-Based Learning (WBL) Placement** .5 or 1 Unit  
**HVAC/Transportation Work-Based Learning (WBL) Placement (Honors)**

CIP #: 47.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendation; age 16 or older; able to provide own transportation; & concurrently enrolled in a CTAE course or previously taken a CTAE course

Credit Type: L1 or L2; Core or elective credit

Description: Develops transferable employability skills and awareness of workplace culture; mastery of a set of predetermined learning objectives identified with a training plan between the employer and student; understanding of the workplace and self-awareness of related career interests; identification of specific work tasks that will develop workplace competency, soft skills and portfolio development.

## PERSONAL, INTERPERSONAL, & SOCIAL SKILLS

**SAT Preparation** .5 or 1 Unit

CIP #: 35.06600

Prerequisite: None

Credit Type: L1; Elective credit only

Description: Introduces methods to improve SAT testing. SAT content and test taking strategies are emphasized.

**Tools for College Success I** .5 or 1 Unit

CIP #: 35.06700

Prerequisite:

Credit Type: L1; Elective credit

Description: Focuses on strategies to improve success at the post-secondary level including note taking, test-taking strategies, problem solving, time management, decision making, goal setting, organizational skills and study habits. Test preparation for post-secondary admissions emphasized. Guidance and advisement provided to support seamless transition to post-secondary setting.

**High School Transition IV** .5 or 1 Unit

CIP #: 35.06800

Prerequisite: Approval of the school Instructional Coordinator

Credit Type: L1; Elective credit

Description: Focuses on strategies to improve success at the secondary level including note taking, test taking, time management, problem solving, decision making, active listening, goal setting, organizational skills, study habits, learning styles and learning strategies. Reading and writing with a focus on higher order thinking will also be emphasized along with the development of self-advocacy skills that support a successful secondary career.

**Peer Facilitation I – IV** .5 or 1 Unit

CIP #: 35.04100 (I)

CIP #: 35.04200 (II)

CIP #: 35.04300 (III)

CIP #: 35.04400 (IV)

Prerequisite: None

Credit Type: L1; Elective credit only

Description: Introduces peer facilitation through a focus on goal setting and self-determination.

**Social Skills I – IV** 1 Unit

CIP #: 35.05100 (I)

CIP #: 35.05200 (II)

CIP #: 35.05300 (III)

CIP #: 35.05400 (IV)

Prerequisite: Courses must be taken in sequence

Credit Type: L1; Elective credit only

Description: Course addresses social-emotional needs of students including peer relations, problem-solving and conflict resolution. Methods introduced to improve decision-making, problem solving, and interpersonal skills. Emphasizes rule compliance and social-emotional competence; identifying personal strengths and weaknesses, communication skills and adjusting to new expectations.

#### **Study Skills I – IV**

**.5 or 1 Unit**

CIP #: 35.061 (I)

CIP #: 35.062 (II)

CIP #: 35.063 (III)

CIP #: 35.064 (IV)

Prerequisite: Courses must be taken in sequence

Credit Type: L1; Elective credit only

Description: Methods to improve note taking, test taking, time-management, problem solving, decision-making, active-listening, goal-setting, and organizational skills. Study Skills I stresses study habits, learning styles and learning strategies to make a smooth transition from middle school to high school. Study Skills II emphasizes applying skills in content specific areas and improving reading and writing skills. Study Skills III emphasizes preparation for the high school exit exam; stresses higher-order thinking and test taking skills. Study Skills I-IV emphasizes goal-setting and self-advocacy skills for successful transition to a post-secondary setting.

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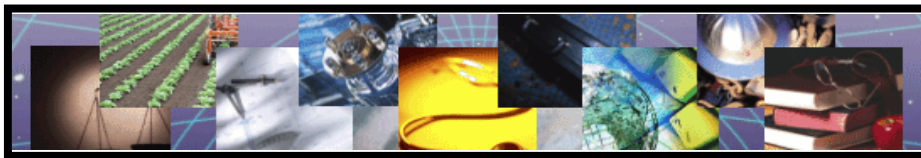
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