Championing students through developing character, ensuring competency, and providing rigor!

The Hall County School District is committed to... developing LIFE READY GRADUATES!
<table>
<thead>
<tr>
<th>School Name</th>
<th>Programs of Choice</th>
<th>Career Technology Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cherokee Bluff High School</td>
<td>LEGACY Program and AP Capstone Program</td>
<td>Animation &amp; Digital Media, Criminal Justice with Forensics, Engineering, Government &amp; Public Administration, Health Science, Information Technology, Marketing, Metals Technology and Workforce Ready</td>
</tr>
<tr>
<td>Johnson High School</td>
<td>Johnson International Scholars Academy (JISA) and International Baccalaureate (IB) Diploma Program</td>
<td>Audio-Video Technology, Business, Construction, Cybersecurity, Education &amp; Training, Graphic Arts, Health Science, and Information Technology</td>
</tr>
<tr>
<td>Chestatee High School</td>
<td>Renaissance Academy for Creative Enterprises (RACE), and AP Capstone Program</td>
<td>Audio-Video Technology, Automotive, Construction, Graphic Arts, Health Science, Information Technology, and Marketing</td>
</tr>
<tr>
<td>Lanier College Career Academy</td>
<td>Part-time CTAE Pathways, Full-time Specialized Career-Ready Programs of Choice, and Dual Enrollment Opportunities</td>
<td>Agriculture Mechanics, Cosmetology, Culinary Arts, Government &amp; Public Administration, Hospitality &amp; Tourism, HVAC and Workforce Ready</td>
</tr>
<tr>
<td>East Hall High School</td>
<td>Endless Possibilities in Creativity and Collaboration (EPiCC) Academ and Navy Junior ROTC Program</td>
<td>Agriculture/Horticulture, Business, Graphic Arts, Health Science, Navy ROTC, Transportation and Workforce Ready</td>
</tr>
<tr>
<td>Flowery Branch High School</td>
<td>STEAM (Science, Technology, Engineering, Arts and Mathematics) Academy and AP Capstone Program</td>
<td>Education &amp; Training, Engineering, Family Consumer Science, Graphic Arts, Health Science, Information Technology, Marketing, Metals Technology and Workforce Ready</td>
</tr>
<tr>
<td>West Hall High School</td>
<td>Innovation Institute (i2), International Baccalaureate (IB) Diploma Programme and International Baccalaureate (IB) Career Related Programme</td>
<td>Audio-Video Technology, Construction, Education &amp; Training, Graphic Arts, Health Science, Information Technology, Manufacturing, Marketing, and Workforce Ready</td>
</tr>
</tbody>
</table>
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.
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.

### Graduation Requirements for Students Entering High School in August 2012 or Later

<table>
<thead>
<tr>
<th>Graduation Requirements</th>
<th>Students Entering High School in August 2012 or Later</th>
</tr>
</thead>
</table>
| **English/Language Arts** | 4 units  
Must include 9th Grade Literature & American Literature |
| **Social Studies** | 3 Units  
Must include World History, US History, Government, and Economics |
| **Mathematics** | 4 Units  
Must include  
- PLUS one additional 9-12/AP/IB/DE math course  
- OR  
- GSE Algebra I, GSE Geometry, and GSE Algebra II  
- PLUS one additional GSE/AP/IB/DE math course  
- OR  
- GSE Accelerated Algebra I/Geometry A, GSE Accelerated Geometry B/Algebra II, GSE Precalculus  
- PLUS one additional GSE/AP/IB/DE math course |
| **Science** | 4 Units  
Must include  
- Physical Science or Physics; Biology; Chemistry, Earth Systems, Environmental Science or AP_IB courses  
- PLUS one additional Science course |
| **Health & Personal Fitness** | 1 Unit  
Must include 1/4 unit of each |
| **Modern Languages** | 3 Units  
(any combination)  
*Students planning to attend most post-secondary institutions must take two units of the same modern language.* |
| **Career, Technical and Agriculture Education (CTAE)** | 3 Units  
(any combination) |
| **Fine Arts, CTAE, and/or Modern Languages** | 4 Units |
| **Electives** | 4 Units |
| **Total Units Required** | 23 Units |

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

### Mathematics – 4 units
- GSE Algebra I/Algebra: Concepts and Connections*
- GSE Geometry/Geometry: Concepts and Connections*
- GSE Algebra II/Advanced Algebra: Concepts and Connections*
- GSE/9-12/AP/IB/DE math courses

### 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

### Social Studies – 3 units
- World History*
- US History*
- American Government (1/2 unit)*
- Economics (1/2 unit)*

### 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**

### Additional Required Electives – 4 units
- Any combination of courses may be selected.
Hall County Schools
TENTATIVE SIX-YEAR PLAN OF STUDY FOR STUDENTS

Student ___________________________ Student Number _________________________________

Teacher/Advisor ______________________ Academic &/or Career/Technical Education Pathway _______________________

Student Signature _____________________ Date Plan Completed _________________________________

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

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<tr>
<td>Credits Required</td>
<td>4 units – must include 9th Grade Literature &amp; American Literature plus two additional GSE/AP/IB/DE courses</td>
<td>4 units – must include GSE Algebra I/Algebra: Concepts and Connections, GSE Geometry/Geometry: Concepts and Connections, GSE Algebra II/Advanced Algebra: Concepts and Connections plus one additional GSE/9-12/AP/IB/DE math course</td>
<td>4 units – must include Physical Science or Physics; Biology; Chemistry, Earth Systems, Environmental Science or AP/IB/DE courses</td>
<td>3 units – must include World History, US History, Economics &amp; Government</td>
<td>1 unit – must include ½ unit of Health and ½ unit of Personal Fitness</td>
<td>3 units – any combination; two units of Modern Language required for most four-year post-secondary institutions</td>
<td>4 units</td>
<td>23 Units</td>
</tr>
</tbody>
</table>

MY CHOICES

<table>
<thead>
<tr>
<th>8th Grade</th>
<th>Record Carnegie unit courses earned</th>
<th>9th Grade</th>
<th>For promotion to 10th grade: 6 credits</th>
<th>10th Grade</th>
<th>For promotion to 11th grade: 12 credits*</th>
<th>11th Grade</th>
<th>For promotion to 12th grade: 18 credits**</th>
<th>12th Grade</th>
<th>23 credits required in order to receive a high school diploma (refer to chart above)</th>
<th>Post-Secondary</th>
<th>Record courses taken and earned through Dual Enrollment.</th>
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</table>

* 2 Core English, Math, Science plus 1 Core Social Studies

** 2 Core English, Science, Social Studies plus 3 Core Math and a planned program to graduate
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 and AP Capstone 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) and AP Capstone at Flowery Branch High School
- Johnson International Scholars Academy (JISA) and International Baccalaureate (IB) Diploma Programme at Johnson High School
- ATLAS and STEM Academies and International Baccalaureate (IB) Diploma Programme at North Hall High School
- Innovation Institute (i²), International Baccalaureate (IB) Diploma Programme, International Baccalaureate (IB) Career Related Programme at West Hall High School
- The Honors Mentorship Program (HMP) is a district-wide program for high-achieving 11th and 12th 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 Technical College, University of North Georgia, Brenau University, and/or the University of Georgia’s College of Ag/Environmental Sciences
- Lanier College Career Academy (LCCA) provides specialized part-time career ready pathways, post-secondary Dual Enrollment certificate opportunities, and a full-time Specialized Career-Ready Program of Choice to students from all high schools
- Hall County Virtual Program of Choice offers a fully-virtual instructional program for students in grades 3-12

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 1000 level courses*: 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 1000 level courses include courses in departments other than English, Mathematics, Science, Social Studies and Modern Language.

**Level 3 – Advanced Placement/International Baccalaureate/ Dual Enrollment Core/Dual Enrollment Non-Core courses at 2000 level or higher**: 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. Dual Enrollment Non-Core 2000 level courses include courses in departments other than English, Mathematics, Science, Social Studies and Modern Language.
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**

<table>
<thead>
<tr>
<th>Final Numeric Course Grade</th>
<th>LEVEL 3</th>
<th>LEVEL 2</th>
<th>LEVEL 1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AP/IB/</td>
<td>Honors/</td>
<td>All other courses</td>
</tr>
<tr>
<td></td>
<td>DE Core / DE Non-Core courses at 2000 level or higher**</td>
<td>Accelerated/DE Non-Core 1000 level courses**</td>
<td></td>
</tr>
<tr>
<td>90 – 100</td>
<td>5.0</td>
<td>4.5</td>
<td>4.0</td>
</tr>
<tr>
<td>80 – 89</td>
<td>4.0</td>
<td>3.5</td>
<td>3.0</td>
</tr>
<tr>
<td>70 – 79</td>
<td>3.0</td>
<td>2.5</td>
<td>2.0</td>
</tr>
<tr>
<td>BELOW 70</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>&lt;70 with earned credit*</td>
<td>2.0</td>
<td>1.5</td>
<td>1.0</td>
</tr>
</tbody>
</table>

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

*Quality Points will be applied to GPA calculations when the transferring institution awards credit for numerical scores below 70.

**DE Courses must be from GSFC Dual Enrollment Approved Course Directory.

**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 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, Lanier College Career Academy and Howard E. Ivester Early College.

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

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 eight 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, 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, Basic Shielded Metal Arc Welder, Gas Metal Arc Welder, Shampoo Tech, Criminal Justice, Early Childhood, Industrial Electrician, 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 the counselor concerning Dual Enrollment certificate options at LCCA.

Extended Instructional Programs

High School summer classes are available through Lanier College Career Academy’s summer school program. This program utilizes self-paced, online courses that can be completed through a combination of at home and on campus learning.

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 Technical College (LTC), the University of North Georgia (UNG), Brenau University and the University of Georgia’s College of Ag/Environmental Sciences (CAES) to provide unique access to Georgia’s Dual Enrollment program.

LTC, UNG, and Brenau professors teach courses on the Howard E. Ivester Early College campus while CAES courses are taught on UGA’s Athens 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. These supports are vital components towards IEC’s 99+% student class pass rate.

Students have the opportunity to take multiple LTC/UNG/Brenau/CAES 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 up to 30 hours. Some courses with labs (Nurse Aide, 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 for students to use while taking specific core academic and certificate courses at IEC. See your Counselor for program details and eligibility requirements.

In 2022-23, we began a unique partnership between the University of Georgia and Ivester Early College, through the College of Agricultural and Environmental Sciences (CAES): The CAES-Ivester Rising Scholars Program (CAES-IRSP). This program is ideal for high-achieving students with academic and career interests in the Agricultural and Environmental Sciences.

The Ivester Healthcare Scholars Program of Choice provides Dual Enrollment and practical learning experiences for advanced scholars who have demonstrated a focused interest in healthcare fields. Students will engage in rigorous academic classes, unique mentorships, research / internship opportunities, and service applications in a 2-year program. This Hall County Schools POC is made possible through our continued partnerships with Brenau University, Lanier Technical College, the University of North Georgia and the Ivester College of Health Sciences at Brenau University.
Hall County Schools
2023-2024 CTAE Career Pathway Offerings*
CHEROKEE BLUFF HIGH SCHOOL
hallco.org/web/ctae-pathway-charts/

AGRICULTURE, FOOD & NATURAL RESOURCES
Therapeutic Services-Exercise Physiology (CB) 25.52100 Introduction to Healthcare Science
25.44000 Essentials of Healthcare 
25.45400 Fundamentals of Exercise Physiology
Capstone Experience: WBL Internship
Therapeutic Services-Sports Medicine (CB) 25.52100 Introduction to Healthcare Science
25.44000 Essentials of Healthcare 
25.44600 Sports Medicine
Capstone Experience: WBL Internship
Therapeutic Services-Surgical Technology (CB) 25.52100 Introduction to Healthcare Science
25.44000 Essentials of Healthcare 
25.44700 Surgical Technology
Capstone Experience: WBL Internship

HEALTH SCIENCE
Culinary Arts Pathway (CB) 20.53100 Introduction to Culinary Arts
20.53200 Culinary Arts I
20.53300 Culinary Arts II
Capstone Experience: WBL Internship
Hospitality, Recreation & Tourism Pathway (CB) 08.47400 Marketing Principles
08.45300 Hospitality, Recreation & Tourism Essentials
08.45400 Hospitality, Recreation & Tourism Management
Capstone Experience: WBL Internship

PERSONAL CARE SERVICES
Personal Care Services-Cosmetology Pathway (L) 20.54000 Industry Fundamentals & Occupational Safety
20.54100 Cosmetology Services I
20.54200 Cosmetology Services II
Capstone Experience: WBL Internship

INFORMATION TECHNOLOGY
Computer Science Pathway (CB) 11.41500 Introduction to Digital Technology OR
11.44600 Introduction to Software Technology
11.47100 Comp Sci Prin A ~ OR
11.01900 AP Comp Sci Prin A ~
11.01600 AP Computer Science A ~
Capstone Experience: WBL Internship

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

PATHWAY REQUIREMENTS
* To fulfill the state pathway requirements, students must complete the three courses shown in the pathway and take the TOE (Test of Occupational Eligibility) assessment where available. If successful, students will earn an industry credential.
* Honors Pathway Available

^ Meets 4th Science requirement; approved by Board of Regents.
~ Meets 4th Math or World Language requirement for high school graduation.
Two Computer Science courses from the same pathway will satisfy two years of sequenced foreign language courses for USG Admissions.
Integrated credit can be earned upon completion of pathway.
* Embedded credit earned upon completion of course.

WORKFORCE READY PATHWAYS
Workforce Ready Pathway (CB) 32.43000 Introduction to Career Competencies
32.43100 Career Competencies
32.43200 Advanced Career Competencies
Capstone Experience: WBL Internship

The Hall County Board of Education is an equal opportunity employer and does not discriminate on the basis of race, color, national origin, age, religion, handicapping condition, or sex in its educational programs or employment.
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.

<table>
<thead>
<tr>
<th>ENGLISH/LANGUAGE ARTS</th>
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<tbody>
<tr>
<td><strong>Ninth Grade Literature/Composition</strong> 1 Unit</td>
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<tr>
<td><strong>Ninth Grade Literature/Composition (Honors)</strong></td>
</tr>
<tr>
<td>CIP #: 23.06100</td>
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<tr>
<td>Prerequisite: Teacher recommendation for Honors</td>
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<tr>
<td>Credit Type: L1 or L2; <strong>Required for students enrolling in ninth grade for the first time in 2008 or later</strong>; core or elective credit for all other students.</td>
</tr>
</tbody>
</table>

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).
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

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.

Advanced Placement Seminar, ELA 1 Unit
CIP #: 23.03800
Prerequisite: Approval of school AP Coordinator
Credit Type: L3; Core or elective credit

Description: AP Seminar allows students to engage in cross-curricular conversations that explore topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary, and philosophical texts, speeches, broadcasts, and personal accounts. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations. Course aims to equip students with power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

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.
Writer's Workshop
Writer's Workshop (Honors)
CIP #: 23.03100
Prerequisite: None
Credit Type: L1 or L2; Elective credit only

Description: Provides opportunities to improve writing proficiency with emphasis on fluency, control, and style; emphasizes writing as a process with instruction in grammar, mechanics usage, and imaginative expression; offers opportunities for independent writing assignments to examine narrative, descriptive, persuasive, and expository modes of discourse; includes literature study.

Communication Skills
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.

English ESOL I – VI
CIP #: 23.09100 (I)
CIP #: 23.09200 (II)
CIP #: 23.09300 (III)
CIP #: 23.09400 (IV)
CIP #: 23.09500 (V)
CIP #: 23.09600 (VI)
Prerequisite: Special placement for limited English speaking students determined through language proficiency testing
Credit Type: L1 only; Core or elective credit

Description: Intensive instruction in English as a second language emphasizing listening, speaking, reading and writing skills to permit a smooth transition into content area classes; social use of the English language and exposure to American culture are also addressed.

Oral Communication in the Content Areas (ELL)
CIP #: 55.02400
Prerequisite: Special placement for limited English speaking students determined through language proficiency testing
Credit Type: L1; Elective credit only

Description: This course focuses on communicating effectively with a variety of audiences using academic language which is needed to be successful in the content areas. This includes further development of critical thinking skills and organization of ideas. Continued emphasis is given on how grammar, vocabulary, listening, speaking, and writing skills play an integral part in how to effectively deliver information through oral communication.

Reading and Listening in the Content Areas (ELL)
CIP #: 55.02300
Prerequisite: Special placement for limited English speaking students determined through language proficiency testing
Credit Type: L1; Elective credit only

Description: This course provides intensive instruction in English as a second language; focuses on the development of reading skills necessary to promote continual language acquisition; offers vocabulary practice and reinforcement of auditory comprehension with an emphasis on reading in the content areas.

Writing in the Content Areas (ELL)
CIP #: 55.02500
Prerequisite: Special placement for limited English speaking students determined through language proficiency testing
Credit Type: L1; Elective credit only

Description: Provides intensive instruction in English as a second language, with opportunities to improve writing proficiency with an emphasis in the content areas; emphasizes writing as a process with instruction in grammar, mechanics usage, and imaginative expression.
Academic Language of Science and Math  
CIP #: 55.02700
Prerequisite: Special placement for limited English speaking students determined through language proficiency testing scoring CPL 2-3.
Credit Type: L1; Elective credit only

Description: Course focuses on teaching students with interrupted or limited formal schooling to decode the specialized vocabulary, symbols and text in science and mathematics. Reading comprehension of texts, listening and comprehending lectures, and using correct scientific and mathematical terminology when speaking and writing are integral to academic success in the mathematics and science content areas. The content addresses all five WIDA standards.

Basic Reading/Writing I, II, III, IV  
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  
Language Arts Work-Based Learning (WBL) Placement (Honors)
CIP #: 23.7XXX0XX
Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendations; 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: Develop 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.
MATHEMATICS*

*Approval of GaDOE math courses for the 2023-24 school will be reflected in the planning guide as GaDOE releases math course information.

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.
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.

Algebra: Concepts and Connections 1 Unit
Algebra: Concepts and Connections (Honors)
CIP #: 27.08110
Prerequisite: This course is designed for students who have successfully completed Kindergarten through 8th grade mathematics.
Credit Type: L1 or L2; Required for students entering ninth grade in 2023-2024 or later

Description: This course is designed as the first course in a sequence of three high school courses designed to ensure career and college readiness. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving algebra, geometry, bivariate data, and statistics.

Co-Requisite Algebra Support for Algebra: Concepts and Connections 1 Unit
CIP #: 27.08120
Prerequisite: None
Credit Type: L1; Elective credit only

Description: This course is designed to be used as a co-requisite support course for Algebra: Concepts and Connections to support student learning in the core mathematics course.

Geometry: Concepts and Connections 1 Unit
Geometry: Concepts and Connections (Honors)
CIP #: 27.08210
Prerequisite: GSE Algebra I
Credit Type: L1 or L2; Required for students entering ninth grade in 2023-2024 or later

Description: This course is designed as the second course in a three-course series. This course enhances students’ geometric, algebraic, graphical, and probabilistic reasoning skills.

Co-Requisite Geometry Support for Geometry: Concepts and Connections 1 Unit
CIP #: 27.08220
Prerequisite: GSE Algebra I
Credit Type: L1; Elective credit only

Description: This course is the second course in a sequence of three high school courses designed to ensure career and college readiness. This course is intended to enhance students’ geometric, algebraic, graphical, and probabilistic reasoning skills.

Advanced Algebra: Concepts and Connections 1 Unit
Advanced Algebra: Concepts and Connections (Honors)
CIP #: 27.08310
Prerequisite: GSE Geometry
Credit Type: L1 or L2; Required for students entering ninth grade in 2023-2024 or later

Description: This is the third course in a sequence of three high school courses designed to ensure career and college readiness. It is intended to prepare students for fourth course options relevant to their postsecondary pursuits.

Co-Requisite Advanced Algebra Support for Advanced Algebra: Concepts and Connections 1 Unit
CIP #: 27.08320
Prerequisite: GSE Geometry
Credit Type: L1; Elective credit only

Description: This course is designed to be used as a co-requisite support course for Advanced Algebra: Concepts and Connections to support student learning in the core mathematics course.
**Enhanced Advanced Algebra and AP Precalculus: Concepts and Connections**  
1 Unit  
CIP #: 27.09310  
Prerequisite: GSE Geometry and Teacher Recommendation  
Credit Type: L3; L3; core or elective credit; satisfies third math requirement; may substitute for 27.08410 (Precalculus)  
Description: Enhanced Advanced Algebra & AP Precalculus is a thoughtful blend of topics from Advanced Algebra: Concepts & Connections and Precalculus. This is a single credit course intended to provide students the opportunity to develop a deeper understanding of mathematical concepts that are critical to the study of advanced fourth mathematics course options, including Calculus. Enrollment in AP includes the commitment to take the AP exam.

**Precalculus**  
1 Unit  
CIP #: 27.08410  
Prerequisite: GSE Algebra II  
Credit Type: L1 or L2; Core or elective credit  
Description: Fourth-year math option for students who have completed Advanced Algebra (or the equivalent). The course is intended to provide students with opportunities to develop a deeper understanding of Algebraic concepts that are critical to the study of Calculus. Students will also deepen their understanding of trigonometry and its applications.

**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 GSE 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 Pre-Calculus  
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, Pre-Calculus 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 “Beginning Learner” or “Developing Learner” on Coordinate Algebra/GSE Algebra I EOC or score of less than 229 on Next Generation ACCUPLACER Arithmetic Placement Test.  
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: This course is designed to meet the needs of students who have passed Algebra I, have passed or are concurrently enrolled in Geometry; Concepts and Connections while taking this course, and intend to enroll in a technical college program. The course is aimed at students who have experienced difficulty in passing middle school mathematics End of Grade (EOG) assessments, have struggled significantly in the first two high school core mathematics courses, and/or have scored less than 34 on the ACCUPLACER Placement Assessment. The ACCUPLACER Placement Assessment may serve as the course post-test.
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 (Mathematics Capstone Course)  1 Unit
CIP #: 27.08900
Prerequisite: GSE Algebra II (or the equivalent)
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, as of now, is not recognized by NCAA for student athletes.

Description:  This course is a fourth mathematics option. It is designed to serve as a bridge for high school students into postsecondary opportunities. Students will be expected to complete a mandatory capstone project where they select one of the areas listed in the standard to identify a problem and use mathematical modeling to address it.
**Physical Science**  
### 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**  
### Biology I (Honors)*  
### Advanced Placement (AP) Biology*  
- **CIP #:** 26.01200  
- **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. Enrollment in AP includes the commitment to take the AP exam.

**Chemistry I**  
### Chemistry I (Honors)  
### Advanced Placement (AP) Chemistry  
- **CIP #:** 40.05100  
- **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**  
### Environmental Science (Honors)  
### Advanced Placement (AP) Environmental Science  
- **CIP #:** 26.06110  
- **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.

**Forensic Science**  
### 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.
Human Anatomy and Physiology
Human Anatomy and Physiology (Honors)
CIP #: 26.07300
Prerequisite: Teacher recommendation for Honors
Credit Type: L1 or L2; Core or elective credit; life science course

Description: Covers science process skills and laboratory safety, body organization, chemistry of life, cells and tissues, homeostasis, skeletal system, muscular system, nervous system, endocrine system, circulatory system, respiratory system, digestive system, metabolism, urinary system, integumentary system, and reproduction system.

Oceanography
CIP #: 40.07100
Prerequisite: None
Credit Type: L1; Core or elective credit; physical science course

Description: Students will recognize that the ocean is a dynamic system reflecting interactions among organisms, ecosystems, chemical cycles, and physical and geological processes, on land, in air, and in the oceans. Students will investigate oceanography concepts through experience in laboratories and fieldwork using the processes of inquiry.

Physics I
Physics I (Honors)
Advanced Placement (AP) Physics 1
CIP #: 40.08100
CIP #: 40.08310
Prerequisite: Teacher recommendation for Honors; GSE Accelerated Geometry/Advanced Algebra; GSE Geometry; GSE Algebra II 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. Enrollment in AP includes the commitment to take the AP exam.

Advanced Placement (AP) Physics C: Mechanics
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.

Communication Skills in Science (ELL)
CIP #: 55.02120
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 science content areas; particular emphasis is on vocabulary, speaking, listening and reading skills in science.

Reading and Writing in Science (ELL)
CIP #: 55.02600
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 reading and writing skills in science and provides students with strategies for reading and comprehending scientific texts.
Scientific Research I (Honors) .5 or 1 Unit
CIP #: 40.09210
Prerequisite: Approval of Instructional Coordinator
Credit Type: L2; Core or elective credit; physical science course

Description: Honors Scientific Research is a project-based, research-intensive course where students analyze and experiment using the Scientific Method to produce authentic products in each student's area of interest. With support from mentors, researchers, and/or scientists, students will accelerate according to individual strengths and goals to develop research topics, follow specific methodologies, and share their results in engaging presentations. Projects will be interdisciplinary in nature, will require applications of new forms of technology mastered by the student, and will challenge students with high levels of critical thinking. All presentations must show cross-curricular and real world relevance through proper use of technology, application, and value of the product or knowledge gained from the project.

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 recommendations; 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: Develop 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 recommendations; 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: Develop 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

<table>
<thead>
<tr>
<th>CIP #: 45.07700</th>
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<tbody>
<tr>
<td>Prerequisite: Teacher recommendation</td>
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<tr>
<td>Credit Type: L3; Elective credit only</td>
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</tbody>
</table>

**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

**World History (Honors)**

**Advanced Placement (AP) World History**

<table>
<thead>
<tr>
<th>CIP #: 45.08300</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIP #: 45.08110 (AP)</td>
</tr>
<tr>
<td>Prerequisite: Teacher recommendation for Honors/AP</td>
</tr>
<tr>
<td><strong>Required for all students first entering ninth grade in 2008 or later</strong></td>
</tr>
</tbody>
</table>

**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*

**United States History (Honors)***

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

<table>
<thead>
<tr>
<th>CIP #: 45.08100</th>
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</thead>
<tbody>
<tr>
<td>CIP #: 45.08200 (AP)</td>
</tr>
<tr>
<td>Prerequisite: Teacher recommendation for Honors and AP</td>
</tr>
<tr>
<td><strong>Required for all students</strong> (may substitute with AP U.S. History or IB History of the Americas, Year 1)</td>
</tr>
</tbody>
</table>

**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/Civics

**American Government/Civics (Honors)**

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

<table>
<thead>
<tr>
<th>CIP #: 45.05700</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIP #: 45.05200 (AP)</td>
</tr>
<tr>
<td>Prerequisite: Teacher recommendation for Honors and AP</td>
</tr>
<tr>
<td><strong>Required for all students</strong> (may substitute with AP Government/Politics: United States); <strong>beginning in 2022-23, students who earn 1 unit of credit for this course may also receive 1 unit of credit for Introduction to Government and Public Administration (CIP #: 29.41000) earning the same grade for both courses</strong></td>
</tr>
</tbody>
</table>

**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.

### Advanced Placement (AP) Government/Politics: Comparative

<table>
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<tr>
<th>CIP #: 45.05300</th>
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</thead>
<tbody>
<tr>
<td>Prerequisite: Teacher recommendation</td>
</tr>
<tr>
<td>Credit Type: Core or elective (course does not meet American Government requirement)</td>
</tr>
</tbody>
</table>

**Description:** Introductory course using a comparative approach to examine political structures; policies; and political, economic, and social challenges of China, Iran, Mexico, Nigeria, Russia, and the United Kingdom. Understanding of comparative government and politics developed through analysis of data and text-based sources. Topics include power and authority, legitimacy and stability, democratization, internal and external forces, and methods of political analysis. Enrollment in AP includes the commitment to take the AP exam.
Personal Finance and Economics (Honors) .5 Unit or 1 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); beginning in 2022-23, students who earn 1 unit of credit for this course may also receive 1 unit of credit for Government Public Administration: Local and State Issues (CIP #: 29.41200) earning the same grade for both courses

Description: In addition to the fundamentals of economic decision-making, microeconomics, macroeconomics, and international economics, students will learn personal finance skills they can apply to their own futures – including managing and balancing budgets; understanding and building credit; protecting against identity theft and consumer protections; and understanding tax forms, student loan applications, and pay stubs. Economics is the study of how individuals, businesses, and governments make decisions about the allocation of scarce resources. This course provides students with a foundation in the field of economics, with a specific focus on how students can apply that knowledge to their own personal finances. 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.

Current Issues .5 or 1 Unit
CIP #: 45.01200
Prerequisite: None
Credit Type: L1; Elective credit

Description: Analyzes current issues and influences that are related to these issues and examines how decisions are made concerning those issues. Integrates and reinforces social studies skills

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.
Individual and the Law
CIP #: 45.05600
Prerequisite: None
Credit Type: L1; Elective credit

Description: Analyzes the foundations and functions of the American legal system; examines types of laws, the individual's relationship to the law and major court decisions; integrates and reinforces social studies skills.

Peer Leadership I
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.

Comparative Religions
CIP #: 45.01100
Prerequisite: None
Credit Type: L1; Elective credit only

Description: Compares major religions of the world; covers ethical-philosophical teachings, historical development, social and cultural impact on various societies and commonalities found in all religions. Integrates and reinforces social studies skills.

US History in Film
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
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
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.

Sports in United States Society
CIP #: 45.01900
Prerequisite: None
Credit Type: L1; Elective credit

Description: The Sports in United States Society course examines the vital sociological role of sport in the making of United States society and culture, and vice-versa. The course analyzes the reasons for and popularity of youth, high school, collegiate, and professional sports and the interrelationship between sports and other social institutions, such as the economy, education, media, and politics. Inequalities and deviance in society that are reflected in sports are discussed, along with social progress championed through sports. Current issues and controversies in sports that are a microcosm of society are also presented.
Introduction to U.S. Intelligence and National Security Studies          1 Unit
CIP #:  45.06000
Prerequisite:  None
Credit Type:   L1; Elective credit; beginning in 2022-23, students who earn 1 unit of credit for this course may also receive 1 unit of credit for Government Public Administration: State and Federal Issues (CIP #: 29.41100) earning the same grade for both courses

Description: Introduction to U.S. Intelligence and National Security Studies provides a basic and broad overview of the career field of Intelligence, the authorized activities of an intelligence professional, the composition of the United States Government Intelligence Community (IC), the various functions of each of the member agencies, the limits and capabilities of Intelligence and how Intelligence plays a role in the decision-making process of the government. This course is also designed to apply critical analysis to the field of U.S. Intelligence.

Communication Skills in Social Studies (ELL)  1 Unit
CIP #:  55.02130
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 social studies content areas; particular emphasis is on vocabulary, speaking, listening and reading skills in social studies.

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 recommendations; 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: Develop 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.
Spanish I, II
1 Unit
Spanish I – V (Honors)
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
1 Unit
Spanish for Native Spanish Speakers I, II, III (Honors)
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.

German I, II
1 Unit
German I – IV (Honors)
CIP #: 61.01100 (I)
CIP #: 61.01200 (II)
CIP #: 61.01300 (III)
CIP #: 61.01400 (IV)
Prerequisite: Courses must be taken in sequence
Credit Type: L1 or L2; Core or elective credit
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.

Advanced Placement (AP) German Language and Culture
1 Unit
CIP #: 61.01700
Prerequisite: German I-III
Credit Type: L3; Core or elective credit
Description: Emphasizes the ability to comprehend formal and informal spoken German, to acquire the vocabulary and grasp of structure to read newspapers, magazines and German-language literature, to compose expository passages, and to speak accurately and fluently. Enrollment in AP includes the commitment to take the AP exam.
Spoken Languages Work-Based Learning (WBL) Placement

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

CIP #: 63.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendations; 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: Develop 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

#### DANCE

<table>
<thead>
<tr>
<th>Course</th>
<th>CIP #</th>
<th>Prerequisite:</th>
<th>Credit Type:</th>
<th>Description:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modern Dance I, II</td>
<td>51.04100 (I)</td>
<td>Courses must be taken in sequence</td>
<td>L1; Core or elective credit</td>
<td>Introduces basic concepts and skills of modern dance technique including shape, form, line and release, fall and recovery, coordination, balance, core support, clarity of movement, and weight shifts. Students explore individual expression and creativity. Stresses aesthetic perception, creative expression, and performance, with a connection to historical/cultural heritage and aesthetic analysis (e.g. traditional modern, post-modern, Afrandom, contemporary).</td>
</tr>
<tr>
<td></td>
<td>51.04200 (II)</td>
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</tbody>
</table>

#### THEATRE ARTS

<table>
<thead>
<tr>
<th>Course</th>
<th>CIP #</th>
<th>Prerequisite:</th>
<th>Credit Type:</th>
<th>Description:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theatre Arts/Fundamentals I – IV</td>
<td>52.02100 (I)</td>
<td>Courses must be taken in sequence</td>
<td>L1; Core or elective credit</td>
<td>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 form informal and formal theatre, film and electronic media.</td>
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<tr>
<td></td>
<td>52.02200 (II)</td>
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<td></td>
<td>52.02300 (III)</td>
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<td></td>
<td>52.02400 (IV)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Theatre Arts/Advanced Drama I, II, III, IV</th>
<th>CIP #</th>
<th>Prerequisite:</th>
<th>Credit Type:</th>
<th>Description:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theatre Arts/Advanced Drama I, II, III, IV (Honors)</td>
<td>52.05100 (I)</td>
<td>Courses must be taken in sequence</td>
<td>L1 or L2; Core or elective credit</td>
<td>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.</td>
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<td></td>
<td>52.05200 (II)</td>
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<td></td>
<td>52.05230 (III)</td>
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<td></td>
<td>52.05240 (IV)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Theatre Arts/Musical Theater I, II, III, IV</th>
<th>CIP #</th>
<th>Prerequisite:</th>
<th>Credit Type:</th>
<th>Description:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theatre Arts/Musical Theater I, II, III, IV (Honors)</td>
<td>52.03100 (I)</td>
<td>Courses must be taken in sequence</td>
<td>L1 or L2; Core or elective credit</td>
<td>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.</td>
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<tr>
<td></td>
<td>52.03200 (II)</td>
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<td>52.03300 (III)</td>
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<td>52.03400 (IV)</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Theatre Arts/Technical Theater I, II, III, IV</th>
<th>CIP #</th>
<th>Prerequisite:</th>
<th>Credit Type:</th>
<th>Description:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theatre Arts/Technical Theater I, II, III, IV (Honors)</td>
<td>52.04100 (I)</td>
<td>Courses must be taken in sequence</td>
<td>L1 or L2; Core or elective credit</td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>52.04200 (II)</td>
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<tr>
<td></td>
<td>52.04300 (III)</td>
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<tr>
<td></td>
<td>52.04400 (IV)</td>
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</tr>
</tbody>
</table>
Dramatic Writing (Film, Television, and Theatre I)  
1 Unit
CIP #:  52.09200
Prerequisite:  None
Credit Type:  L1; Core or elective; beginning in the 2018-19 school year, students who earn 1 unit of credit for this course may also receive 1 unit of credit for Advanced Composition (23.03400) earning the same grade for both courses
Description:  Applies skills to culminate in creating and developing dramatic writing for theatrical media with special emphasis on film and television. Includes development of “writerly stance” by reading, viewing, and analyzing tests and visual media from a writer’s point of view, with focus on understanding the construction process and including the application of conventions of standard English grammar and usage. Note: This course meets fourth English Language Arts core requirement.

Theatre Arts Work-Based Learning (WBL) Placement  
.5 or 1 Unit
Theatre Arts Work-Based Learning (WBL) Placement (Honors)
CIP #:  52.7XXX0XX
Prerequisite:  Approval by Work-based Learning Coordinator; teacher recommendations; 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:  Develop 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 Appreciation I, II  
.5 or 1 Unit
CIP #:  53.01400
CIP #:  53.01500
Prerequisite:  None
Credit Type:  L1; Core or elective credit
Description:  Introduces production and performance; covers terminology and idioms, elements of music, perceptive listening and attitudes and appreciation; stresses the ability to become a literate consumer and the ability to speak and write about 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.

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.
Intermediate Instrumental Ensemble I – IV  
1 Unit
CIP #: 53.07510 (I)
CIP #: 53.07520 (II)
CIP #: 53.07530 (III)
CIP #: 53.07540 (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
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
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.

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.

Intermediate Chorus I – IV
.5 or 1 Unit
CIP #: 54.02210 (I)
CIP #: 54.02220 (II)
CIP #: 54.02230 (III)
CIP #: 54.02270 (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 intermediate-level performance skills and knowledge in 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 larger choral singing experiences. Concepts and demands found in Class B – C literature.
**Advanced Choral Ensemble I – IV**

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.

**Advanced Chorus I – IV**

CIP #: 54.02310 (I)
CIP #: 54.02320 (II)
CIP #: 54.02330 (III)
CIP #: 54.02340 (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 choral singing; 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.

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

Music Work-Based Learning (WBL) Placement (Honors)
CIP #: 53.7XXX0XX

Prerequisite: Approval by Work-Based Learning Coordinator; teacher recommendations; 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: Develop 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.

**VISUAL ARTS**

**Visual Arts Comprehensive I – V**

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.

**Visual Arts/Ceramics I - IV**

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.
Visual Arts/Drawing I, II  
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.

Visual Arts/Drawing & Painting I, II  
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.

Visual Arts/Advanced Placement (AP) Studio: Drawing  
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) Studio Art: 2-D Design Portfolio  
CIP #: 50.08130  
Prerequisite: Visual Arts Comprehensive I; Teacher recommendation  
Credit Type: L3; Core or elective credit  
Description: Addresses a broad interpretation of two-dimensional design issues, including how to use the elements of design, including line, shape, illusion of space, illusion of motion, pattern and texture, and value and color. The principles of design help guide artists in making decisions about how to organize the elements on a picture plane in order to communicate content. These principles include unity/variety, balance/emphasis/rhythm, and proportional/scale. Enrollment in AP includes the commitment to take the AP exam.

Visual Arts Work-Based Learning (WBL) Placement  
Visual Arts Work-Based Learning (WBL) Placement (Honors)  
CIP #: 50.7XXX0XX  
Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendations; 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: Develop 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.
**Mentorship I – IV (Honors)**

- **CIP #: 70.01100 (I)**
- **CIP #: 70.01200 (II)**
- **CIP #: 70.01300 (III)**
- **CIP #: 70.01400 (IV)**

**Prerequisite:** Students must be in 11th or 12th 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.

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**Directed Study I – IV (Honors)**

- **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.

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**Community Service Learning I – IV**

- **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.

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**Library Science/Grades 9 - 12**

- **CIP #: 80.01000**

**Prerequisite:** None

**Credit Type:** L1; Elective credit

**Description:** Introduction to the classification, location and use of media center resources and the utilization of instructional equipment. Library science and the information literacy skills are taught through media activities.
HEALTH AND PHYSICAL EDUCATION

Health
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
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
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
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
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
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 Type: 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.
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.

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</tbody>
</table>

Basic Agricultural 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 Agricultural Science 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 Agricultural Science 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 Electricity and Electric Controls 1 Unit
CIP #: 01.42600
Prerequisite: Basic Agricultural Science recommended
Credit Type: L1; Core or elective credit
Description: Designed to provide students with introductory level experiences in selected major areas of agricultural mechanics technology associated with the design and installation of electric motor and non-motor load electrical circuits designed for use in agricultural structures, and agricultural industry applications. Topics covered include electrical terms and theory, branch and feeder circuit design and installation, service entrance equipment selection and installation, electric motors and motor controllers, switching devices including thermostats, proximity sensors, float switches, clock timers, relays, and similar devices. Course available only at Lanier College Career Academy (LCCA).
**Forest Science**

1 Unit  
CIP #: 03.45100  
Prerequisite: Basic Agricultural Science recommended  
Credit Type: L1; Core or elective credit

Description: Provides entry-level skills for employment in the forest industry and for further study. The course covers establishing forests by natural and artificial means, maintaining and surveying forests, identifying and protecting trees, practicing silviculture, measuring trees and land, mapping, preparing for timber sales and harvest, employing multiple-use resource management, keeping records, and figuring taxes. Course available only at Lanier College Career Academy (LCCA).

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**Agriculture Work-Based Learning (WBL) Placement**

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

CIP #: 01.7XXX0XX  
Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendations; 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: Develop 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.

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**Agriscience Work-Based Learning (WBL) Placement**

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

CIP #: 02.7XXX0XX  
Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendations; 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: Develop 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.

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**Natural Resources Work-Based Learning (WBL) Placement**

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

CIP #: 03.7XXX0XX  
Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendations; 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: Develop 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.

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**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 craftsperson.

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
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)
CIP #: 46.7XXX0XX
Prerequisite: Application process required and acceptance into the program
Credit Type: L1 or L2; Core or elective credit

Description: Develop 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.

HVAC/Transportation Work-Based Learning (WBL) Placement
HVAC/Transportation Work-Based Learning (WBL) Placement (Honors)
CIP #: 47.7XXX0XX
Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendations; 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: Develop 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.

ARTS, A/V TECHNOLOGY & COMMUNICATIONS

Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism and entertainment services.

Animation and Digital Media (CB)
- Introduction to Digital Media
- Principles and Concepts of Animation
- Advanced Animation, Game and APP Design

Introduction to Digital Media
CIP #: 48.42100
Prerequisite: None
Credit Type: L1; Core or elective credit

Description: Students in the Introduction of Digital Media course will learn the basic components of 2-D and 3D animation development from storyboarding elements to fundamental software capabilities. The course serves as an introduction to the animation history, keyboarding shortcuts, project filing, and career awareness. Instruction in this course focuses on storyboarding creation, the physics and anatomy of motion, technology of animation, properties and use of color, cameras and lighting, fundamentals of modeling and animating, creating a portfolio and file management. This course provides a structure for digital literacy as well as development of technical knowledge and intellectual skills for analytical thinking; in addition, students will work productively and responsibly in individual and collaborative settings.

Principles and Concepts of Animation
CIP #: 48.42200
Prerequisite: Introduction to Digital Media
Credit Type: L1; Core or elective credit

Description: Students will continue to develop and implement aesthetics of color selection, storyboarding in 2-D digital animation, and develop anicatic creations from 2-D to 3-D. Students will learn interface tools, the use of drawing tools, animating the camera, importing images from web sources and files, working with sound and lip syncing, understanding paths and motion design, and frame by frame animation creation relative to sequence planning and pacing. Course will allow students to explore more advanced aspects of character animation including subtle character gesture and advanced action timing with emphasis on personal observation. The course will allow students to develop an understanding of basic sound considerations such as lip syncing, voice-overs, and the synchronization of sound with the visual product. It will also allow students to build on previously learned storyboarding skills, develop scripts, determine character motivations, consider setting and motion variables, and learn other unique traits of animation through integrated activities.
Advanced Animation: Game and APP Design  
CIP #: 48.42300  
Prerequisite: Principles and Concepts of Animation  
Credit Type: L1; Core or elective credit

Description: Students will continue working in 2-D and 3-D environments by importing 3-D models while working in 3-D space morphing, and inverse kinematics. While learning the basics of Game and APP design, the students will acquire knowledge of human and animal animations, apply the aesthetic and technical aspects of animation of characters, and analyze the physics and physicalization of action, weight, and timing. The course advances students’ knowledge of sound integration into animated products; by focusing on skills that include lip-syncing, voice overs, and synchronization. Portfolio development will include animation reels and other products. Students will learn the processes of post-production and will work both independently and in small production teams to manage the production pipeline for a 3-D project. In the final phases of the project completion, students will work collaboratively to meet deadlines and will be expected to produce an animated final project that reflects competency with editing, rendering, updating reel, and self-promotional support items.

Arts, A/V Technology & Communications Work-Based Learning (WBL) Placement  
CIP #: 10.7XXX0XX  
Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendations; 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: Develop 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.

Precision Production Occupations Work-Based Learning (WBL) Placement  
CIP #: 48.7XXX0XX

Description: Develop 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.

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  
CIP #: 06.7XXX0XX

Description: Develop 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.

Business Computer Science Work-Based Learning (WBL) Placement  
CIP #: 07.7XXX0XX

Description: Develop 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.
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.

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 recommendations; 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: Develop 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.

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 recommendations; 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: Develop 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.

FINANCE

Planning and related services for financial and investment planning, banking, insurance, and business financial management.

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 recommendations; 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: Develop 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.

GOVERNMENT AND PUBLIC ADMINISTRATION

Planning and executing government functions at the local, state and federal levels, including governance, national security, foreign service, planning, revenue and taxation, and regulations.

Public Management and Administration Pathway (CB)
- Introduction to Government and Public Administration
- Government Public Administration: State and Federal Issues
- Government Public Administration: Local and State Issues

Introduction to Government and Public Administration 1 Unit
Introduction to Government and Public Administration (Honors)
CIP #: 29.41000
Prerequisite: None
Credit Type: L1 or L2; Core or elective credit; beginning in 2022-23, students who earn 1 unit of credit for this course may also receive 1 unit of credit for American Government/Civics, CIP #: 45.05700 earning the same grade for both courses

Description: Foundational course for the Public Management and Administration Pathway and introduces students to the introductory knowledge and technical skills of working in public service and serving the general public in a government or public administration career. Topics will include identifying personal strengths and weaknesses and include oral and written communication skills, critical thinking for problem solving, developing leadership and teamwork skills, employability skills, and technical skills for this career cluster.
Government Public Administration: State and Federal Issues 1 Unit
Government Public Administration: State and Federal Issues (Honors)
CIP #: 29.41100
Prerequisite: None
Credit Type: L1 or L2; Core or elective credit; beginning in 2022-23, students who earn 1 unit of credit for this course may also receive 1 unit of credit for Introduction to U.S. Intelligence and National Security Studies, CIP #: 45.06000 earning the same grade for both courses

Description: This course will look at the roles of the state and federal governments, state agencies, and public administrations to support and sustain services and resources. Topics will include the role of government in providing services for the U.S. population; the impact the U.S. will have on other nations and in turn their impact on the United States. The professional traits required of those working in this field to be prepared for safety, health, environmental, as well as creating publicity materials, public relations and working with media.

Government Public Administration: Local and State Issues 1 Unit
Government Public Administration: Local and State Issues (Honors)
CIP #: 29.41200
Prerequisite: None
Credit Type: L1 or L2; Core or elective credit; beginning in 2022-23, students who earn 1 unit of credit for this course may also receive 1 unit of credit for Personal Finance and Economics, CIP #: 45.06100 earning the same grade for both courses

Description: This course applies the skills needed in government and public administration professions, including the application of leadership and teamwork within the classroom. Topics may include working within budgets, negotiation/communication with co-workers, developing proposals, making oral presentations and appropriate responses to workplace situations based on legal and ethical considerations. Students will complete an independent research project that applies to a government and public administration career. Students will be required to make a written and oral presentation at the end of the course summarizing their research project and submit an updated career portfolio.

Public Management and Administration (WBL) Placement .5 or 1 Unit
Public Management and Administration Work-Based Learning (WBL) Placement (Honors)
CIP #: 29.7XXX0XX
Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendations; 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: Develop 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.

HEALTH SCIENCE

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

Therapeutic Services-Sports Medicine H (CB)
- Introduction to Healthcare Science
- Essentials of Healthcare
- Sports Medicine

Therapeutic Services-Exercise Physiology (CB)
- Introduction to Healthcare Science
- Essentials of Healthcare
- Fundamentals of Exercise Physiology

Diagnostics/Phlebotomy Pathway (CB)
- Introduction to Healthcare Science
- Essentials of Healthcare
- Diagnostics/Phlebotomy

Therapeutic Services-Surgical Technology H (CB)
- Introduction to Healthcare Science
- Essentials of Healthcare
- Surgical Technician I
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  1 Unit
Essentials of Healthcare (Honors)
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 1 unit of credit for this course may also receive 1 unit of credit for Human Anatomy and Physiology, CIP #:  26.07300 earning the same grade for both courses

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.

Sports Medicine  1 Unit
Sports Medicine (Honors)
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.

Fundamentals of Exercise Physiology  1 Unit
CIP #:  25.45400
Prerequisite:  Introduction to Healthcare Science
Credit Type:  L1; Core or elective credit

Description:  Course is appropriate for students wishing to pursue a career in personal training or for those who desire an introduction in the field of exercise physiology and will enable students to perform fitness assessments, according to current guidelines, and to use data to develop exercise and training routines, fitness plans, and nutritional programs to fit the needs of clients. The concepts of human kinesiology will be evaluated and fundamental skills of goal setting, record keeping, and instruction techniques will be covered in the course.

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.

Surgical Technician  1 Unit
Surgical Technician (Honors)
CIP #:  25.44700
Prerequisite:  Introduction to Healthcare Science; Essentials of Healthcare
Credit Type:  L1; Core or elective credit

Description:  Provide fundamental surgical technician skills and knowledge to include the knowledge, skills, and attitudes necessary to succeed in the Surgical Technology profession; including safety, infection control, pharmacology, surgical equipment, perioperative procedures, instruments, and sterilization. Students will have the opportunity to explore careers in the operating room and the education required at each level.
Health Science Technology Work-Based Learning (WBL) Placement

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

CIP #:  25.7XXX0XX

Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendations; 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: Develop 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.

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.

<table>
<thead>
<tr>
<th>Hospitality, Recreation &amp; Tourism Pathway[^h] (L)</th>
<th>Culinary Arts Pathway* (L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Marketing Principles</td>
<td>• Introduction to Culinary Arts</td>
</tr>
<tr>
<td>• Hospitality, Recreation &amp; Tourism Essentials</td>
<td>• Culinary Arts I</td>
</tr>
<tr>
<td>• Hospitality, Recreation/Tourism Management</td>
<td>• Culinary Arts II</td>
</tr>
</tbody>
</table>

* 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

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

Hospitality, Recreation & Tourism Essentials (Honors)

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

Hospitality, Recreation & Tourism Essentials (Honors)

CIP #:  08.45400
Prerequisite: Hospitality, Recreation & 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)

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.
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>CIP #:</th>
<th>Prerequisite</th>
<th>Credit Type:</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hospitality Practicum</td>
<td>.5 or 1</td>
<td>08.7XXX0X3</td>
<td>Application process required</td>
<td>L1; Core or elective credit</td>
<td>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 &amp; Events conference facility, Get Gifted specialty retail store, and the Sales &amp; Marketing Department of The Oaks. Course available only at Lanier College Career Academy (LCCA).</td>
</tr>
<tr>
<td>Marketing, Sales &amp; Service Work-Based Learning (WBL) Placement</td>
<td>.5 or 1</td>
<td>08.7XXX0XX</td>
<td>Approval by Work-based Learning Coordinator; teacher recommendations; age 16 or older; able to provide own transportation; &amp; concurrently enrolled in a related course</td>
<td>L1 or L2; Core or elective credit</td>
<td>Develop 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.</td>
</tr>
<tr>
<td>Introduction to Culinary Arts</td>
<td>1</td>
<td>20.53100</td>
<td>None</td>
<td>L1; Core or elective credit</td>
<td>Introduces fundamental food preparation terms, concepts, and methods where laboratory practices 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).</td>
</tr>
<tr>
<td>Culinary Arts I</td>
<td>1</td>
<td>20.53210</td>
<td>Introduction to Culinary Arts</td>
<td>L1; Core or elective credit</td>
<td>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).</td>
</tr>
<tr>
<td>Culinary Arts II</td>
<td>1</td>
<td>20.53310</td>
<td>Culinary Arts I</td>
<td>L1; Core or elective credit</td>
<td>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).</td>
</tr>
<tr>
<td>Culinary Practicum</td>
<td>.5 or 1</td>
<td>08.7XXX0X3</td>
<td>Completion of the Culinary Arts Pathway courses</td>
<td>L1; Core or elective credit</td>
<td>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).</td>
</tr>
<tr>
<td>Culinary/Early Childhood Work-Based Learning (WBL) Placement</td>
<td>.5 or 1</td>
<td>20.7XXX0XX</td>
<td>Approval by Work-based Learning Coordinator; teacher recommendations; age 16 or older; able to provide own transportation; &amp; concurrently enrolled in a related course</td>
<td>L1 or L2; Core or elective credit</td>
<td>Develop 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.</td>
</tr>
</tbody>
</table>


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

**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: Cosmetology Services II; 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 IV** 1 Unit
CIP #: 12.41200
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).*

**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 recommendations; 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: Develop 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.

**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 recommendations; 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: Develop 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.
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.

**Computer Science Pathway (CB)**
- Introduction to Digital Technology OR Introduction to Software Technology
- Computer Science Principles OR AP Computer Science Principles
- AP Computer Science A

**Programming Pathway (CB)**
- Introduction to Digital Technology OR Introduction to Software Technology
- Computer Science Principles OR AP Computer Science Principles
- Program, Games, Apps & Society

**Web Development (CB)**
- Introduction to Digital Technology OR Introduction to Software Technology
- Computer Science Principles OR AP Computer Science Principles
- Web Development

**Animation and Digital Media (CB)**
- Introduction to Digital Media
- Principles and Concepts of Animation
- Advanced Animation, Game and APP Design

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**Introduction to Software Technology**
- 1 Unit

**Introduction to Software Technology (Honors)**
- CIP #: 11.446
- Prerequisite: None
- Credit Type: L1 or L2; Core or elective credit

Description: This course is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and the business world. Exposure to foundational knowledge in programming languages, software development, app creation, and user interfacing applications are all taught in a computer lab with hands-on activities and project-focused tasks.

**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 for high school graduation; 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

**AP Computer Science Principles (Honors)**
- 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 for high school graduation; 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.

**Advanced Placement Computer Science A**
- 1 Unit

**Advanced Placement Computer Science A (Honors)**
- CIP #: 11.01600
- Prerequisite: Approval by instructor
- Credit Type: L3; Core or elective credit; course satisfies the 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 for high school graduation; two computer science courses from the same pathway will satisfy two years of sequenced foreign language courses for USG admissions.

Description: Conforms to the College Board syllabus for the Advanced Placement Computer Science Examination. Covers programming methodology, features of programming languages, fundamental data structures, algorithms, and computer systems. Students taking this course must take the AP exam.
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 for high school graduation; 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.

Web Development
Web Development (Honors)
CIP #: 11.42500
Prerequisite: Introduction to Digital Technology
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 for high school graduation; two computer science courses from the same pathway will satisfy two years of sequenced foreign language courses for USG admissions.

Description: This course, with Hypertext Markup Language (HTML) and Cascading Style Sheet (CSS) as its foundation, will teach students to develop and design responsive web sites through coding, testing, debugging and implementation of web-based services. This course will also allow students to learn about content management systems, client side languages, server side languages, and database concepts. The course is designed to give students foundational knowledge of "front-end" and "back-end" development to address the presentation and data access layers of web site development.

Introduction to Digital Media
CIP #: 48.42100
Prerequisite: None
Credit Type: L1; Core or elective credit

Description: Students in the Introduction of Digital Media course will learn the basic components of 2-D and 3D animation development from storyboarding elements to fundamental software capabilities. The course serves as an introduction to the animation history, keyboarding shortcuts, project filing, and career awareness. Instruction in this course focuses on storyboard creation, the physics and anatomy of motion, technology of animation, properties and use of color, cameras and lighting, fundamentals of modeling and animating, creating a portfolio and file management. This course provides a structure for digital literacy as well as development of technical knowledge and intellectual skills for analytical thinking; in addition, students will work productively and responsibly in individual and collaborative settings.

Principles and Concepts of Animation
CIP #: 48.42200
Prerequisite: Introduction to Digital Media
Credit Type: L1; Core or elective credit

Description: Students will continue to develop and implement aesthetics of color selection, storyboarding in 2-D digital animation, and develop animate creations from 2-D to 3-D. Students will learn interface tools, the use of drawing tools, animating the camera, importing images from web sources and files, working with sound and lip syncing, understanding paths and motion design, and frame by frame animation creation relative to sequence planning and pacing. Course will allow students to explore more advanced aspects of character animation including subtle character gesture and advanced action timing with emphasis on personal observation. The course will allow students to develop an understanding of basic sound considerations such as lip syncing, voice-overs, and the synchronization of sound with the visual product. It will also allow students to build on previously learned storyboarding skills, develop scripts, determine character motivations, consider setting and motion variables, and learn other unique traits of animation through integrated activities.

Advanced Animation: Game and APP Design
CIP #: 48.42300
Prerequisite: Principles and Concepts of Animation
Credit Type: L1; Core or elective credit

Description: Students will continue working in 2-D and 3-D environments by importing 3-D models while working in 3-D space morphing, and inverse kinematics. While learning the basics of Game and APP design, the students will acquire knowledge of human and animal animations, apply the aesthetic and technical aspects of animation of characters, and analyze the physics and physicalization of action, weight, and timing. The course advances students' knowledge of sound integration into animated products; by focusing on skills that include lip-syncing, voice overs, and synchronization. Portfolio development will include animation reels and other products. Students will learn the processes of post-production and will work both independently and in small production teams to manage the production pipeline for a 3-D project. In the final phases of the project completion, students will work collaboratively to meet deadlines and will be expected to produce an animated final project that reflects competency with editing, rendering, updating reel, and self-promotional support items.
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 recommendations; 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: Develop 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.

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 recommendations; 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: Develop 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 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 recommendations; 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: Develop 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 (CB)**
- Industry Fund & Occupational Safety
- Introduction to Metals
- Welding I

**Sheet Metal Pathway (CB)**
- Industry Fund & Occupational Safety
- Introduction to Metals
- Sheet Metal I

**Industry Fundamentals & Occupational Safety**
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**
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**
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**
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 recommendations; 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: Develop 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.

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 recommendations; 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.

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 (CB)
- Marketing Principles
- Marketing & Entrepreneurship
- Marketing Management

Marketing Comm & Promotions Pathway (L)
- Marketing Principles
- Promotional and Digital Marketing
- Integrated Marketing Communications

Sports & Entertainment Marketing Pathway (CB)
- 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: 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
Marketing & Entrepreneurship (Honors)
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
Marketing Management (Honors)
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.
Promotional & Digital Marketing 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.

Integrated Marketing Communications 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.

Marketing Research [Marketing Applications in Hospitality or Advertising] 1 Unit
Marketing Research [Marketing Applications in Hospitality or Advertising] (Honors) 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.

Design, Marketing/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, Get Gifted or Corner Cafe 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 or work in Get Gifted and Corner Café performing specific tasks. Students will be challenged and empowered to manage and grow the Design 360, Get Gifted or Corner Café 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).

Introduction to Sports & Entertainment Marketing 1 Unit
CIP #: 08.47800
Prerequisite: None
Credit Type: L1; Core or elective credit

Description: Focuses on the major segments of the Sports and Entertainment Industry and the social and economic impact it has on the local, state, national, and global economies. The products and services offered to consumers and the impact of marketing on these products and services are examined. Units include: Business Fundamentals, Product Mix, Product Knowledge, Product/Service Management, Business Regulations, Interpersonal Skills, Selling, Marketing-Information Management, Economics, Distribution, Pricing, Advertising, Publicity/Public Relations, Sales Promotion, Business Risks, and Organization.

Advanced Sports & Entertainment Marketing
Advanced Sports & Entertainment Marketing H 1 Unit
CIP #: 08.48500
Prerequisite: Introduction to Sports & Entertainment Marketing
Credit Type: L1; Core or elective credit

Description: Focuses on developing managerial and analytical skills and deepening knowledge in sports/entertainment marketing. Topical units include: Marketing-Information Management, Selling, Publicity/Public Relations, Sales Promotion, Management of Promotion, Product Mix, Pricing, Positioning, and Marketing Planning.
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 recommendations; 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: Develop 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.

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<tr>
<td>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.</td>
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### Engineering Drafting & Design Pathway (CB)
- Intro to Drafting & Design
- Survey of Engineering Graphics
- 3D Modeling and Analysis

### Engineering and Technology Pathway (CB) H
- Foundations of Engineering/Technology
- Engineering Concepts
- Engineering Applications

#### Introduction to Drafting & Design
- 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
- 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
- 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
- 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.

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 recommendations; 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: Develop 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.

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 recommendations; 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: Develop 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.

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 recommendations; 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: Develop 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.
Workforce Ready (CB)

- Introduction to Career Competencies
- Career Competencies
- Advanced Career Competencies

Introduction to Career Competencies 1 Unit
CIP #: 32.43000
Prerequisite: None
Credit Type: L1; Elective credit only

Description: Students acquire employability skills that ease their transition to the workforce. Specific skills within the course provide additional opportunities for students to sharpen academic and employability skills, financial literacy, multiple forms of communication strategies, mastery of technology and specific-related tools, workplace safety, and self-advocacy approaches.

Career Competencies 1 Unit
CIP #: 32.43100
Prerequisite: Introduction to Career Competencies
Credit Type: L1; Elective credit only

Description: Students acquire employability skills that ease their transition to the workforce. Specific skills within the course provide additional opportunities for students to sharpen academic and employability skills, financial literacy, multiple forms of communication strategies, mastery of technology and specific-related tools, workplace safety, and self-advocacy approaches.

Advanced Career Competencies 1 Unit
CIP #: 32.43200
Prerequisite: Introduction to Career Competencies
Credit Type: L1; Elective credit only

Description: Students will use various opportunities and settings to demonstrate knowledge and application of employability skills acquired in prior courses. Specific skills within the course provide additional opportunities for students to sharpen academic and employability skills, financial literacy, multiple forms of communication strategies, leadership skills, mastery of technology and specific-related tools, workplace safety, and self-advocacy approaches. Students will have heavy exposure to workplace and community experiences, complete and present career portfolios, complete a community/school service project, hone leadership skills, and earn business and industry-recognized credentials.

Workforce Ready Work-Based Learning (WBL) Placement .5 or 1 Unit
Workforce Ready Work-Based Learning (WBL) Placement (Honors)
CIP #: 32.7XXX0XX
Prerequisite: Approval by Work-based Learning Coordinator; teacher recommendations; 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: Develop 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
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
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
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
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
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
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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Don’t Delay – Start Planning for Your Future TODAY!
CERTIFICATE PROGRAMS

- Basic Shielded Metal Arc Welder (2.0 GPA)
- Criminal Justice (2.0 GPA)
- Culinary Nutrition Assistant
- Early Childhood Care & Education Basics
- Esthetics
- Gas Metal Arc Welder (2.0 GPA)
- Industrial Electrician
- Prep Cook (2.0 GPA)
- Shampoo Tech (2.0 GPA)

Certificate programs are offered in partnership with Lanier Technical College.

REQUIREMENTS*

- HOPE GPA 2.6 (Juniors/Seniors)
- ACT
  - English 13
  - Math 17
  - Reading 14
- ACCUPLACER
  - Reading 224
  - Writing 236
  - Arithmetic 229
- PSAT
  - Reading 22
  - Writing 23
  - Math 20
- SAT
  - Reading 24
  - Writing 25
  - Math 22

CONTACT

For questions about requirements, the application process, or certificate programs offered, contact Lisa McDowell, Hall County College & Career Coordinator, at lisa.mc Dowell@hallco.org.

lcca.hallco.org/dual-enrollment

LCCA IS A SITE LOCATION OF LANIER TECHNICAL COLLEGE.

For more information about on campus program offerings, visit laniertech.edu.
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