

Advanced Academics Information Session 2024

Goose Creek Memorial High School



3 TYPES OF COLLEGE CREDIT AT GCM

Academic dual credit classes through Lee College. Taught at GCM.



OnRamps dual enrollment courses through UT Austin at GCM



AP – College Board Advanced Placement classes at GCM



Student Responsibilities

Courses are rigorous, therefore advanced academic courses earn weighted grade points at the high school level.

The average study time for a college course is 2-3 hours per hour of class time.

Stay in contact with your instructor. Check college email daily and log in daily for assignments.



Some classes will require more study time. It is better to overestimate the time required.





Lee College Dual Credit

Jade Godoy
Lee College Shared Advisor



What is Dual Credit?

Dual credit is the process by which a high school student enrolls in a college course and receives simultaneous credit for the course from the college and the high school.



benefits:



Save money and time by earning college credit in high school



Expand academic and technical options while in High School



Learn what it takes to be successful in college



Build confidence by easing the transition to college

IS DUAL CREDIT RIGHT FOR ME?

•Expectations

- What is expected of college students is vastly different from what is expected of high school students.
- Parents and students should discuss:
 - Goals
 - Maturity
 - Responsibility
 - Academic ability
 - Level of commitment
- Remember—grades earned through dual credit become part of your permanent college transcript and may impact your eligibility for financial aid, scholarships, and admission to some schools or programs.



expectations

What is expected of college students is vastly different from what is expected of high school students. You will be held to a higher standard and treated like a college student.

Time Commitment

Some classes will require more study time and will require you to do work outside of regular school hours. Estimate 2-3 Hours Per Hour of class time for studying.

Academic Responsibility

Grades earned through dual credit are weighted at the high school level and become part of your permanent college transcript which may impact your eligibility for financial aid, scholarships, and admission to some schools or programs.

Time Management

Most professors do not accept late work and it is your responsibility to meet deadlines. Don't wait until the day before an assignment is due to start it and utilize your calendar to set reminders!

Academic Honesty

You are held to the same standard as other college students and must abide by the colleges academic honesty policies. (Ex. follow proper testing protocols, no using chat GBT or other AI sites, no plagiarism)

Self Accountability

You are the one responsible for your performance in the class. Stay in contact with your instructor and check your college email/ log into blackboard daily. If you don't understand something you need to ask for help.

Attendance

If you will need to miss a class for any reason it is your responsibility to notify your professor and make arrangements regarding missed assignments or information. *An excused absence in high school does not mean excused on the college side.

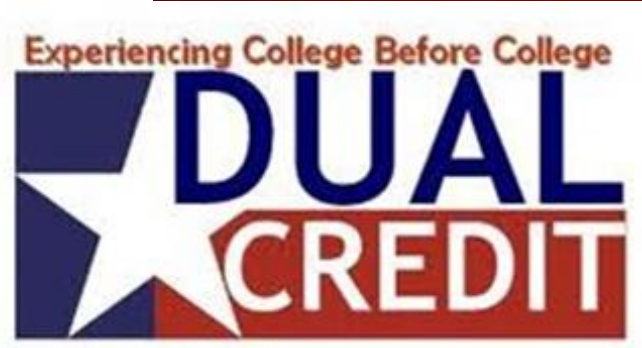
Types Of College Credit

•Academic

- Transfers to four-year institutions
- Examples of subject areas include: the arts, English, history, mathematics, and the sciences.
- Earn an associates degree or earn credits to transfer

•Technical

- May or may not transfer to four-year institutions
- Students taking these courses often plan to enroll in a certificate or two-year degree program – HVAC, Criminal justice
- Can help students enter the workforce after high school graduation
- Earn an industry-based certification



Course Options for Goose Creek Memorial High School

- **Goose Creek Memorial High School students take most of their courses on the GCM campus. Some courses in the career and technical fields are offered on the Lee College campus.**
- **Students can take a variety of academic courses, including (but not limited to) English, biology, government, U.S. History, Psychology. See Educational Planning Guide for full list - online**
- **It is important that the student choose a class that is within their intended college major!**
- **Prior to graduation, it's the student's responsibility to request that the college transcript be sent from Lee College to the university of their choice.**



Implementation students 9th - 12th



- All students NEW to dual credit and 9th graders MUST take EDUC 1200 as the first dual credit course
- All 10th grade students new to dual credit will take EDUC 1200 in the fall. Students may take other courses in the spring.
- 11th and 12th grade students NEW to dual credit will take EDUC 1200 concurrently with other courses in their plan





**Core
Complete at
Lee College**

**42 college hours of core courses –
plus Lee First Year experience = 43 hours**

English - 6 hours

Mathematics - 3 hours

Life & Physical Science with lab – 8 hours

Language, Philosophy & Culture – 3 hours

Creative Arts – 3 hours

American History – 6 hours

Government/Political Science – 6 hours

Social/Behavioral Science – 3 hours

Oral Communication – 3 hours

First Year Experience Course – 2 hours

Students who earn core complete status will be considered core complete at any Texas public institution.

GCM Core Complete Program Pathway- 42 Hours

FRESHMAN COURSES	
Learning Pathways (2 Hours) (Must take before any other classes) EDUC 1200 _____	
SOPHOMORE COURSES	
Creative Arts (3 Hours) ARTS 1301 _____ OR MUSI 1306 _____ OR DRAM 1310 _____	Texas Government (3 Hours) GOVT 2306 _____
Oral Communication (3 Hours) SPCH 1315 Public Speaking _____ OR SPCH 1321 Business Com. _____	Lang, Phil, & Culture (3 Hours) HUMA 1301 Humanities _____ OR HUMA 1305 Mex Am Studies _____
JUNIOR COURSES	
English (6 Hours) ENGL 1301 _____ & ENGL 1302 _____	Social & Behavioral Sci (3 Hours) SOC1 1301 <u>Sociology</u> _____ OR PSYC 2301 Psychology
American History (6 Hours) HIST 1301 _____ & HIST 1302 _____	Mathematics (3 Hours) <i>*Review College Major for Best Math Option*</i> MATH 1314 College Algebra _____ OR MATH 1324 Finite Math _____ OR MATH 1342 Statistics _____
SENIOR COURSES	
US Government (3 Hours) - HS requirement GOVT 2305 _____	Behavioral Science for Business Pathway Students (3 Hours) (NEED PRE-APPROVAL) ECON 2301 _____
Mathematics (3 Hours) MATH 2412 Pre-Cal _____ Or math listed in jr. year _____ (Prerequisites/ approval required)	Life & Physical Science (8 Hours) BIOL 1408 _____ & BIOL 1409 _____ OR BIOL 2401 <u>Anatomy</u> _____ & BIOL 2402 _____

* Students should not be taking more than 4 classes per semester.

* On Ramps Physics and Chemistry taken before Senior year can be used for Science Requirement. Students must transfer credits.

* Math courses may be taken in junior or senior year based on meeting qualifications.

Name: _____ ID: _____ Date: _____ Grad Year: _____

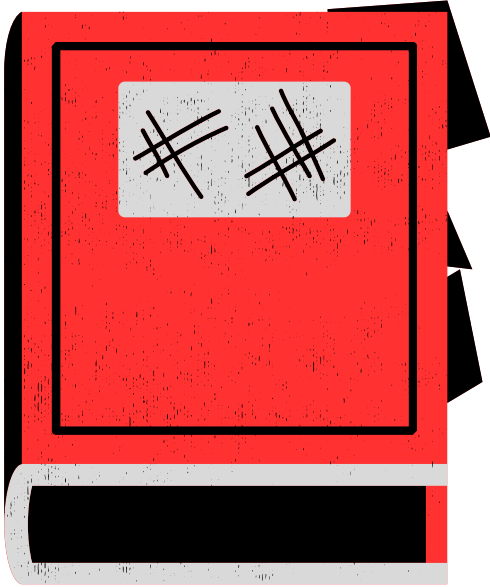
GCM Associate Program Pathway- 60 Hours

FRESHMAN COURSES	
Learning Pathways (2 Hours) (Must take before any other classes) EDUC 1200 _____	
SOPHOMORE COURSES	
Creative Arts (3 Hours) ARTS 1301 _____ OR MUSI 1306 _____ OR DRAM 1310 _____	Texas Government (3 Hours) GOVT 2306 _____
Oral Communication (3 Hours) SPCH 1315 Public Speaking _____ OR SPCH 1321 Business Com. _____	Lang, Phil, & Culture (3 Hours) HUMA 1301 Humanities _____ OR HUMA 1305 Mex Am Studies _____
JUNIOR COURSES	
English (6 Hours) ENGL 1301 _____ & ENGL 1302 _____	American History (6 Hours) HIST 1301 _____ & HIST 1302 _____
Mathematics (3 Hours) <i>*Review College Major for Best Math Option*</i> MATH 1314 College Algebra _____ OR MATH 1324 Finite Math _____ OR MATH 1342 Statistics _____	Social & Behavioral Sci (3 Hours) SOC1 1301 <u>Sociology</u> _____ OR PSYC 2301 Psychology _____
SENIOR COURSES	
US Government (3 Hours) - HS requirement GOVT 2305 _____	Behavioral Science for Business Pathway Students (3 Hours) (APPROVAL REQUIRED) ECON 2301 _____
Mathematics (3 Hours) MATH 2412 Pre-Cal _____ Or math listed in jr. year _____ (Prerequisites/ approval required)	Life & Physical Science (8 Hours) BIOL 1408 _____ & BIOL 1409 _____ OR BIOL 2401 <u>Anatomy</u> _____ & BIOL 2402 _____
Additional Courses (16 Hours)	
COURSE 1 _____ Hours: _____ Grade: _____	
COURSE 2 _____ Hours: _____ Grade: _____	
COURSE 3 _____ Hours: _____ Grade: _____	
COURSE 4 _____ Hours: _____ Grade: _____	
COURSE 5 _____ Hours: _____ Grade: _____	
COURSE 6 _____ Hours: _____ Grade: _____	

Dual Credit Class Schedule

- Dual credit classes are offered on the GCMHS campus or online.
- Classes may be taught by a college professor or by an adjunct professor who is also a GCMHS teacher.
- All classes will be in a student's regular seven period schedule. Classes that are online will be taught by a Lee College professor and proctored by a GCMHS staff member.

Consequences of Dropping a Dual Credit Course



- Withdrawals after the allowed drop period remain on the college transcript
- Can affect your ability to be core complete or get your associates
- May affect your financial aid in the future
- Will lose your payment if dropped after class starts
- You will have to pay \$165 if you wish to retake the course and \$380 if you repeat it a third time
- Students who wish to drop **MUST** be counseled by college/career counselor or Lee College shared advisor **PRIOR** to dropping course

FAMILY EDUCATIONAL RIGHTS & PRIVACY ACT (FERPA)

- Federal law that protects the privacy of student educational records.
- When a student turns 18 years old **or enrolls in an institution of higher learning at any age**, FERPA transfers rights to the student.
- FERPA applies to dual credit students and their information cannot be disclosed. This includes but is not limited to: **grades, course schedules, test scores, account balances.**
- This is an opportunity for students to learn the college process and take on new responsibilities by keeping their parents informed of their academic progress.
- FERPA Form must be signed BY THE STUDENT if a parent wants access to student grades and other college information.
- Authorization is good for ONE year.
- Parents may speak with high school personnel regarding student progress in college courses. Parents may not contact Lee College professors. If student is present and gives permission, a parent may speak with GCM Adjunct personnel.

Accessibility Services & Accommodations

- Individuals needing services/accommodations should meet with the GCM 504 coordinator to begin online forms.
- Once the forms have been uploaded into the GCCISD online system, the students will need to contact the counselor for students with disabilities at Lee College to request an appointment to discuss accommodations and complete Lee College forms.
- Accommodations are not the same between high school and college.
- Students can apply for accommodations at any time, but accommodations are not retroactive, so please apply before the start of **EACH** semester.
- Start the process by contacting the GCM 504 Coordinator, **Kristen Hutchins**, kristen.hutchins@gccisd.net or the GCM College/Career Counselor **Alice Hoy**, alice.hoy@gccisd.net



Lee College Access Center
281-425-6217
K-leigh Villanueva
kvillanueva@lee.edu



COLLEGE CREDIT TRANSFERABILITY

In most cases, the course taken through GCCISD dual credit program (academic only, not career and technical courses) are transferable to other public Texas colleges and universities.

- The number of courses transferable may differ by college and degree plan.
- Texas law mandates that students who take and complete the core courses (core complete) at one Texas public school will be able to transfer as core complete to another institution of higher education.
- Students are encouraged to talk to an advisor of the college / university they plan to attend to find out what courses will or will not transfer.
- Most colleges will have a transfer portal to compare courses



Students who take dual courses are considered FRESHMEN when applying to college after graduation – NOT transfer students. This includes students earning an associate degree. Dual students ARE eligible for first-time freshmen scholarships.



Dual Credit and Transfer Examples

ATE Search by Sending Institution's Course	
Search the transfer evaluation inventory by the department and course number at the sending institution (i.e. the college at which the course originates). Results are sorted by sending institution's department & course number.	
Sending institution	<input type="text" value="(select a sending institution)"/>
Sending institution's department abbreviation	<input type="text"/> <small>4 characters maximum. Enter the exact department abbreviation (for example "E" or "EN" or "ENG" or "ENGL" for English) as it appears in the sending institution's catalog, course schedule, or transcripts. If the abbreviation is 5 or more characters, enter only the first 4. If you don't know the other school's exact department abbreviation, try a search by UT department.</small>
Sending institution's course number	<input type="text" value="exact match only"/> <input type="text"/> <small>6 characters maximum. Leave this field blank to find ALL courses for the specified department.</small>
<input type="button" value="Initiate Search"/> <input type="button" value="Clear Menu"/>	

- Search by UT course
- Key to evaluations
- Common Transfer Credit Issues
- ATE System home





Dual Credit and Transfer Examples

Undergraduate Admissions

[Discover & Connect](#) - [Visit](#) - [Apply](#) - [Pay for College](#) - [Make It Official](#) - [Resources](#) - [Contact Us](#) -

[UH Home](#) > [Admissions](#) > [Apply](#) > [Transfer Students](#) > [Transfer Equivalency Guides](#)

APPLY

[Freshman Students](#)

[Transfer Students](#)

[Transfer Equivalency Guides](#)

[Transfer Admissions Process](#)

[International Students](#)

[Former Students](#)

[Post-Baccalaureate Students](#)

[Visiting Students](#)

Transfer Equivalency Guides by Major

The guides below are a reference for students who have attended other colleges and universities. The courses listed in each guide **are not requirements** for admission to the University of Houston. Instead, they show how courses taken at other colleges or universities would transfer to UH as credit.

Gerald D. Hines College of Architecture

 [Architecture](#) 06/2021

 [Environmental Design](#) 06/2021

 [Industrial Design](#) 06/2021





Tuition & Textbooks

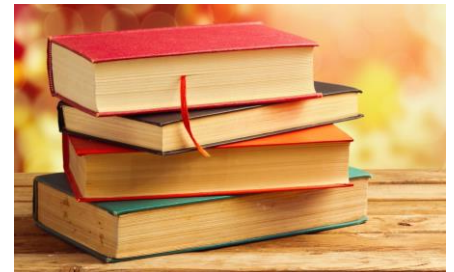
\$50 for all courses per year
GCCISD pays the remaining tuition cost.

GCCISD pays the cost of books.

**Tuition payments are made to the
Patriot Center for College and Career Readiness.**

Students who are FAST eligible – based on Free or Reduced Lunch data will have the cost of all classes and textbooks covered by a grant through Lee College.

Students who fail or drop a course MUST retake the failed course at their own expense of \$165. GCCISD will NOT pay to repeat a course.



Steps to Enroll in Dual Credit

- 1. Student will speak with the GCM College/Career Counselor or the Lee College Advisor to approve courses and complete a request form. Both are located in the Patriot Center**
- 2. Request form MUST be signed by a parent and returned to the Patriot Center**
- 3. Grade level counselor will be given the list of approved dual courses for each student and enter in schedule.**
- 4. ALL students must complete the APPLY TEXAS application for Lee College**
- 5. Students will need to qualify for college placement through SAT scores or TSI scores. However, some courses are exempt from qualifying scores (EDUC 1200, SPCH, MUSIC, DRAMA, ARTS, BCIS 1305) Testing will be completed during Jan. – March 2025 for the upcoming school year.**
- 6. Make \$50 payment at the GCM Patriot Center for College & Career Readiness (if required)**
- 7. Once enrolled, ALL students MUST complete the New Student Orientation (NSO) online prior to taking their first college course. Available on myLC account – to do list**



Goose Creek CISD/Lee College
DUAL ENROLLMENT REQUEST FORM



Goose Creek Memorial High School Dual Credit Student/Parent Agreement Form

Academic Year: _____

Last Name: (Please print) _____ First Name: _____ High School: _____

Lee College ID or SSN: _____ Date of Birth: _____ Graduation Year: _____

After returning the signed form to the Patriot Center, the following steps must be completed:

Application - REQUIRED

You must do a Lee College application through Apply Texas. We will complete Apply Texas at GCM.
Dates - TBD

TSIA2 Test Dates and PAA - REQUIRED

You must take required TSI assessment for some courses selected. We will notify students who need testing and test at GCM.
Dates - TBD

Once you have met all criteria, you will be automatically enrolled in your dual credit class. Students must complete an online student orientation. **All must attend a MANDATORY parent/student orientation meeting on August 14 at 4pm – GCM Auditorium.**

FALL		SPRING	
Course Name	Course Title, ex. College Algebra	Course Name	Course Title, ex. College Algebra

We, the student and parent/guardian, agree for the above-named student to enroll in the Dual Enrollment Program offered in coordination with stated high school and postsecondary institution. We understand the high school representative will authorize course selection for each term. We understand that all prerequisite requirements, including assessment and course placement must be met. We agree to abide by the high school and postsecondary policies and codes of conduct. We will cooperate with both the high school and postsecondary institution in fulfilling student responsibilities. We understand that any courses registered for, or grades earned, become a permanent part of the student's high school and college record. We understand that it is the student's responsibility to receive approval from the high school representative for permission to drop or resign from the course(s) listed above. We, the student and parent/guardian, certify that all the information furnished in this application is true to the best of our knowledge. We understand that any misrepresentation of the facts may result in the immediate cancellation of the student registration.

Student Signature _____ Date _____ Parent Signature (if student is under 18 years) _____ Date _____

High School Representative Signature _____ Date _____ High School Representative Name (print/type) _____ Date _____

Return SIGNED form to the PATRIOT CENTER by _____
For questions: alice.hoy@gccisd.net or jgodoy@lee.edu

I understand that:

- In order to be enrolled in a dual credit course, a GCCISD student must have first met with a dual credit and/or college/career counselor and receive written approval from the parent/guardian.
- Students are responsible for their own learning. Parent may not contact the college instructor with any questions regarding assignments, makeup tests, grades, and any other academic concerns. Parent questions should be directed to the college/career counselor.
- Courses will be more academically challenging than traditional high school courses. Success in the dual credit program requires exceptional skills, strong self-discipline, and motivation.
- Grades earned in dual credit courses become part of the student's permanent academic record and will be reflected on both the high school and college transcripts.
- Students who are responsible for their tuition bills of \$50. Payment must be submitted to the GCM Patriot Center by August 14 – located by the Library. Cash or check only. Checks must include DL#.
- Dual Credit courses taken outside of regular high school hours (evening, summer, etc.) will not count toward academic class rank.
- The signatures on this form give the Goose Creek Memorial High School permission to send all required test scores and transcripts to the enrolled college. The signatures on this form also give the enrolled college permission to release the student's academic record to Goose Creek Memorial High School until such time as the student is no longer enrolled at GCMHS.
- Except for embedded instructors, college professors are not GCCISD employees and are not accountable to GCCISD for the curriculum, content, teaching methodology, grading policy, etc. Some dual credit courses may contain subject matter that is of adult nature.
- Students who receive a final college grade of "F" or fall below a 2.0 GPA will be on Academic Notice, Warning or Suspension according to academic policies. A letter grade will be recorded on the permanent college transcript and a numeric grade on the high school transcript. Students must adhere to both college and GCCISD academic policies.
- If a Dual Credit course does not make based on enrollment requirements, (although every effort will be made to place a student into a comparable course with weighted credit) please be aware that there is a chance that a student may be placed into a course that does not carry weighted credit. Also, please note that the availability of the class is also dependent upon availability of professors to teach the course.
- Students with disabilities must meet with the Counselor for Students with Disabilities at the college to be considered for accommodations in courses. This is the responsibility of the student. Please contact Alice Hoy, College Career Counselor to start the process. alice.hoy@gccisd.net
- Prior to withdrawing from a college dual credit course, the student MUST first discuss this matter with the College/Career Counselor and his/her high school counselor to determine if space is available in a comparable high school course. Certain restrictions and consequences are in place regarding withdrawing from a college course.
- Students are not automatically excused from absences due to extra-curricular activities. Absences required for extra-curricular activities or other reasons must be approved by the professor.
- Students are required to use the online accounts provided by the college. All college grades will be accessible in the college grading system (Blackboard, Canvas, etc.) College grades are NOT available in TEAMS.

I have received a copy of the dual credit requirements. I have read and agree to abide by the dual credit student/parent agreement. By signing this document, I approve for my student to enroll in dual credit courses for the 2025-2026 school year.

Student Signature _____ Date _____ Parent Signature _____ Date _____

Return SIGNED form to the PATRIOT CENTER by _____
For questions: alice.hoy@gccisd.net or jgodoy@lee.edu



What is Learning Frameworks (EDUC 1200)?

- EDUC 1200 is a course designed to help first-year students successfully transition to college.
- All first-year Lee College students who seek an academic degree or plan to transfer to a university will take this course.
- EDUC 1200 is part of Lee College's core curriculum (or your basics!) and will transfer to most Texas public universities.

We cover many useful topics mostly in the psychology and sociology areas of study.

What should I expect as a student in EDUC 1200?

We will cover a wide array of topics essential to college and career success, including but not limited to:

- Personal strengths
- Self-regulated learning
- Time management
- Self-Care
- Emotional intelligence
- Campus resources
- Career exploration
- Financial literacy
- Growth mindset

Learn about many strategies to help you succeed in college and a career.

- Resume
- Cover Letter
- Interview Skills

Theatre Appreciation – DRAM 1310

Professor Gina Martin



This one-semester course is a survey of theater including its history, dramatic works, stage techniques, production procedures, and relation to other art forms.



*College English 1301/1302
English Composition
Professor Larrisa Newport*



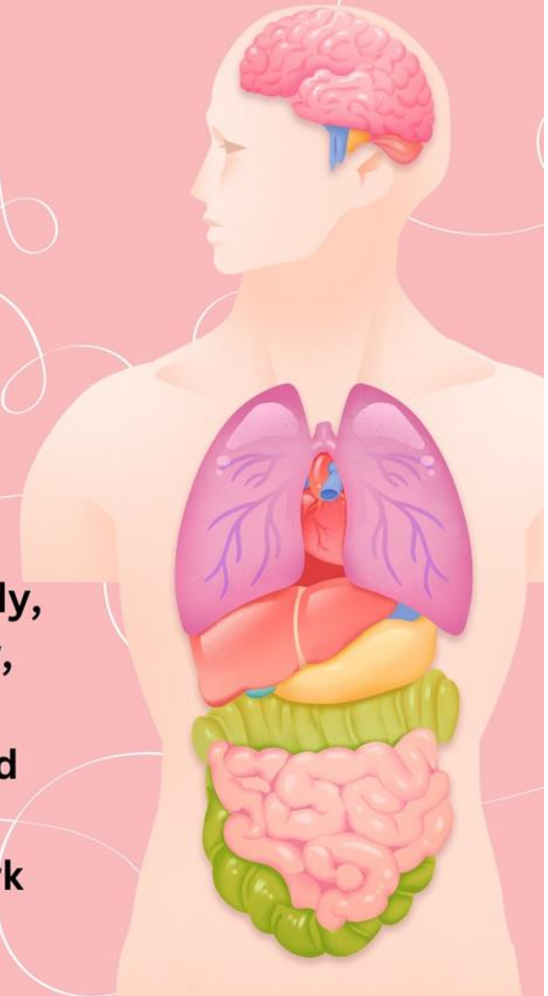
First in the World



BIOL 2401 & 2402
ANATOMY & PHYSIOLOGY
I & II
PROFESSOR ASMITA KHARAT

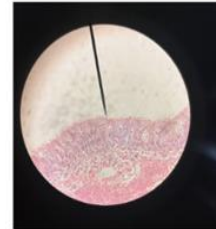
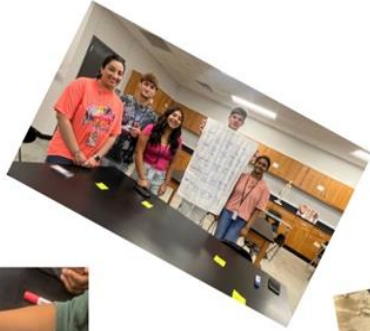
Course Description:

- **Anatomy & Physiology I & II is a two semester dual credit course affiliated with LEE COLLEGE.**
- **This course focuses on structure and functions of human body, interrelationships among systems, anatomical terminology, hands on lab activities like dissections to provide learning experience for exploration of human system component and basic physiology.**
- **Great Foundation course for students who are willing to work in healthcare.**





Anatomy & Physiology I & II

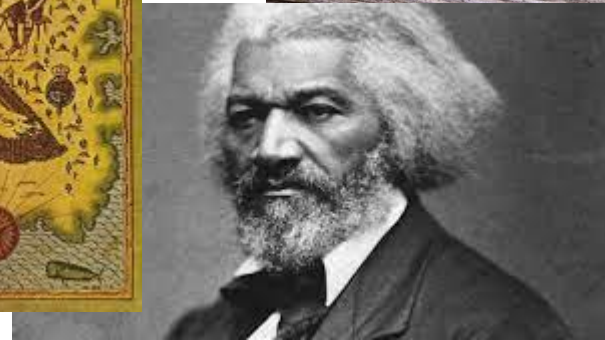


History 1301



This course examines the political, economic, social, and intellectual history of the United States from the Discovery of America to 1877.

Topics include westward expansion and globalization, slavery, Native Americans, and religious and social changes. An additional purpose of this course is to introduce students to the skills and practices of history.



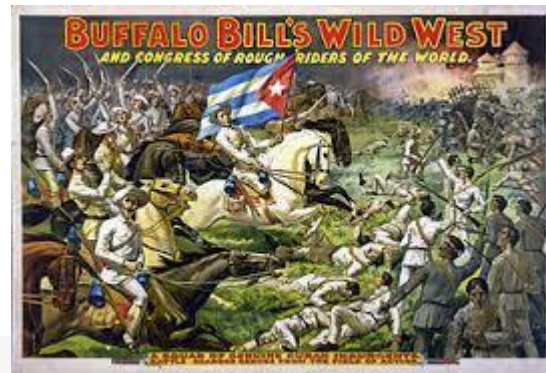


LEE COLLEGE

History 1302

This course examines the political, economic, social, and intellectual history of the United States from 1877 to the Present.

Topics will include western expansion, industrialization, immigration, imperialism, economic, political and social developments, the wars of the 20th century and the changing status and conditions of women and minorities. Another purpose of this course is to introduce students to the skills and practices of history.



Dual Credit College Algebra – MATH 1314

Precalculus MATH 2412 (limited to specific college majors)

Course Description:

Follow up to Algebra 2 course. Covers intermediate algebra, trigonometry, and a brief introduction to Calculus concepts. Focused on preparing students for the rigor of AP math courses.

Who should take this course:

- Students who enjoyed the rigor of Honors Algebra 2
- Students who want to pursue AP Calculus/Statistics or multiple Math/Science courses in the future

Dual Credit Finite Math – MATH 1324

Statistics – MATH 1342

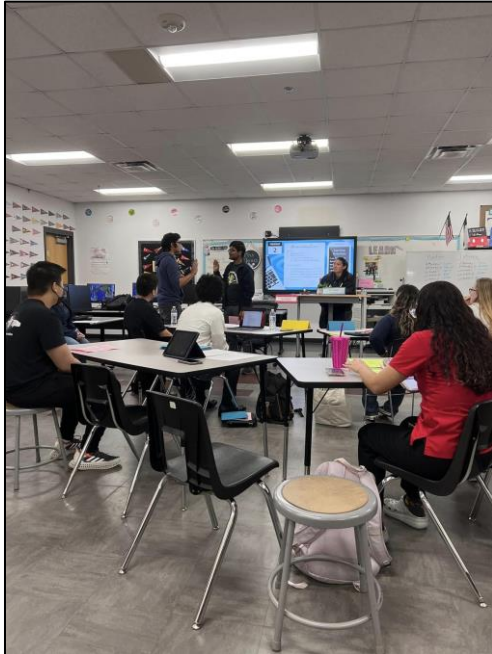
Course Description:

Business-focused introductory math course. Covers compounding interest applications (annuities, regular payments, retirement savings, etc.), data gathering, and probability.

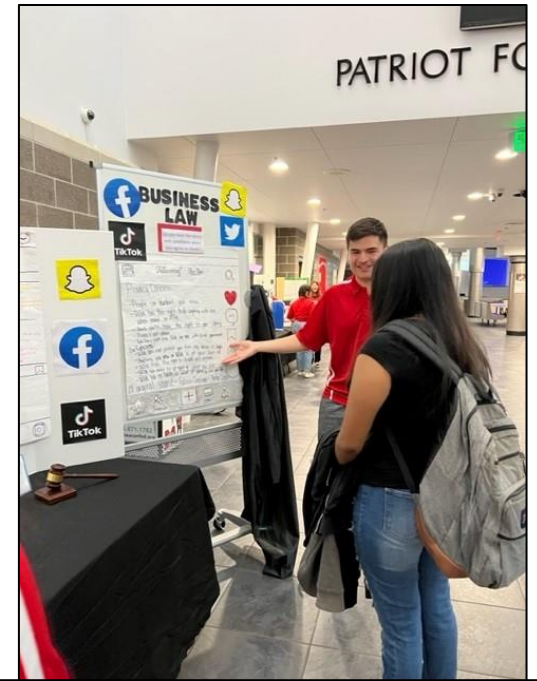
Who should take this course:

- Students who enjoyed the formulas in Algebra 2 / Precalculus
- Students who want to major in Business or Finance (Global Business Academy students)
- Students who plan on taking AP Statistics in the future

Business Principles BUSI 1301
Business Law BUSI 2301
Business Computer Applications BCIS 1305



Students spend time in real world situations by participating in a Mock Trial Case that is based on real court cases, complete with a judge and jury



Here students are presenting a PSA after studying Contract Law. Students spent time reading the terms and conditions of social media platforms like Snapchat and TikTok, then present to underclassmen.



Accounting 2401 & 2402
Financial and Managerial
Accounting courses that are transferable to a 4 year college. Opportunities to compete in academic UIL competition.

Dual Credit Accounting students use monopoly as a tool to apply concepts to real world situations



Other Lee College Course Offerings

ARTS 1301 – Art Appreciation

ARTS 1303 – Art History I

MUSI 1306 – Music Appreciation

BIOL 1408/1409 – General Biology for Non-Science Majors

ECON 2301 – Principles of Macroeconomics

GOVT 2305 – Federal Government

GOVT 2306 – Texas Government

HUMA 1301 – Introduction to Humanities

HUMA 1305 – Introduction to Mexican American Studies

PSYC 2301 – Intro to Psychology

SOCI 1301 – Introductory Sociology

SPCH 1315 – Public Speaking – taught at GCM by Lee professor

SPCH 1321 – Business and Professional Communication - taught at GCM by Lee professor

Heating, Ventilation and Air Conditioning



FOUNDATIONS: THESE ARE THE COURSES STUDENTS NEED IN ORDER TO PROGRESS IN THEIR CAREER/COLLEGE PATHWAY, AS THEY EITHER PROVIDE A CERTIFICATE OR LAY THE GROUNDWORK FOR MOVING TO THE NEXT SET OF COURSES.

COURSE	COURSE TITLE	COUNTS TOWARD
HART 1407	Refrigeration Principles	AC1
HART 1303	Air Conditioning Control Principles	AC1
HART 1356	EPA Recovery Certification Preparation	AC1
HART 1441	Residential Air Conditioning	AC1

KNOWLEDGE BUILDING: THESE COURSES FURTHER THE STUDENTS' KNOWLEDGE IN THE AREA OF STUDY AND INCREASE THEIR PREPARATION FOR THE DEGREE COMPLETION.

COURSE	COURSE TITLE	COUNTS TOWARD
HART 1445	Gas and Electric Heating	AC1
HART 2434	Advanced Air Conditioning Controls	AC1
HART 2436	Air Conditioning Troubleshooting	AC1
HART 2445	Residential Air Conditioning Systems Design	AC1

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HVAC classes start junior year

Bus transportation is provided to and from the Lee College McNair Center for classes.

Textbooks and Tuition are paid for by GCCISD.

Students need TWO periods in their schedule to participate in the program.

When started as a junior, students will graduate with the HVAC certification.



**LAMAR INSTITUTE
OF TECHNOLOGY**

Criminal Justice Program

Students take the criminal justice courses indicated below to serve as the foundation for their education in this field. Students may also take academic core classes through Lee College along with the criminal justice courses.

This program prepares students for entry-level career opportunities in the criminal justice field and paves the way for pursuing a four-year criminal justice degree.

APPROVED CTE DUAL CREDIT COURSES

Law Enforcement - LIT Alignment

College Course	LIT Course #	LIT Semester Credit Hrs	HS Course #	High School Course	High School Credit	PEIMS Service ID#
(9th) - No Dual Credit FALL (10th)				Principles of Law	1	13029200
Intro to Criminal Justice	CJSA 1322	3	CJSA 1322	Law Enforcement I	0.5	13029300
SPRING (10th)						
Interview and Report Writing	CJLE 1327	3	CJLE 1327	Law Enforcement I	0.5	13029300
FALL (11th)						
Criminal Investigation	CJSA 1342	3	CJSA 1342	Criminal Investigations	0.5	13029550
Vice and Narcotics Investigation	CJLE 2345	3	CJLE 2345	Law Enforcement II	0.5	13029400
SPRING (11th)						
Court Systems and Practices	CJSA 1313	3	CJSA 1313	Law Enforcement II	0.5	13029400
	Need High School Only Course Number		31342	Criminal Investigations	0.5	13029550
FALL (12th)						
Criminalistics I	CJSA 1308	3	CJSA 1308	Practicum in Law, Public Safety, Corrections, and Security (First Time Taken)	0.5	13030100
Criminalistics II	CJSA 2323	3	CJSA 2323	Practicum in Law, Public Safety, Corrections, and Security (First Time Taken)	0.5	13030100
SPRING (12th)						
Criminalistics III	CJSA 2332	3	CJSA 2332	Practicum in Law, Public Safety, Corrections, and Security (First Time Taken)	1	13030100



WHAT IS AP (Advanced Placement) ?

Rigorous college-level courses which prepare students for not only college-level course work, but also for the advanced placement exam. Students will take the AP exams in May. If student earns typically a 3 or above, college credit could be possible. Nationally recognized at most US colleges through CollegeBoard.



Advanced Placement Courses at GCM

AP 2-D Art & Design

AP 3-D Art & Design

AP Drawing

AP Art History

AP Biology

AP Calculus AB

AP Calculus BC

AP Chemistry

AP English Language & Composition

AP English Literature & Composition

AP Environmental Science

AP French Language & Culture

AP Human Geography

AP Macroeconomics

AP Physics 1

AP Physics 2

AP Physics C: Mechanics

AP Spanish Language & Culture

AP Spanish Literature & Culture

AP Statistics

AP United States Government &
Politics

AP United States History

AP World History: Modern

****Subject to change.**

All courses may NOT be
offered each year.



What are Advanced Placement classes in High School?



AP (advanced placement) is a program of classes developed by the college board to give high school students an introduction to college-level classes and also gain college credit before even graduating high school.



These courses are more difficult than the usual high school class and also require passing an AP exam at the end of the year to gain the college credit.



AP exams are tests on everything you've learned in your AP class that year. They're scored on a scale from 1 to 5 with any score above 3 considered passing, though some schools will only accept 4's and 5's for credit.

ADVANCED PLACEMENT Course Benefits

Experience college rigor before leaving high school

Save time and money earning college credits through AP exams

Understand what it takes to be successful in college with easier transition

Transferrable college credit across the nation



Students and parents should discuss the level of commitment needed
Students receive weighted GPA points - 6.0 scale, Honors classes – 5.0 scale

What are AP Exams in high school?



- AP Exams are **standardized exams designed to measure how well you've mastered the content and skills of a specific AP course.**
- Most AP courses have an end-of-year exam, but a few courses have different ways to assess what you've learned—for example, AP Art and Design students submit a portfolio of work for scoring.
- GCCISD pays the cost of the AP exam.
- All students enrolled in AP classes are expected to take the AP exam at the end of the course.

AP Human Geography

COURSE AND EXAM DESCRIPTION

Course Overview

AP Human Geography is an introductory college-level human geography course. Students cultivate their understanding of human geography through data and geographic analyses as they explore topics like patterns and spatial organization, human impacts and interactions with their environment, and spatial processes and societal changes.

First time taking AP?

APHG is a ***GREAT first AP class***. This class will teach students HOW to be an AP student.

Most students taking the class are ***incoming 9th graders***.

Upperclassmen CAN take APHG if they have not taken class as a freshman

Is this class a good fit for me?

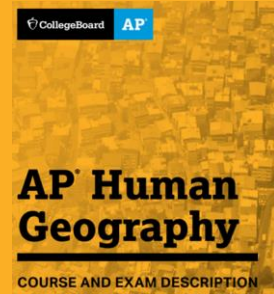
AP Human Geography is designed for students that are highly motivated, eager to learn, and can read and write at the upper high school or college level.

Students signing up for AP must be responsible with the ability of staying on top of studies and assignments.

Course Skills

The following skill categories describe what skills students should develop during the course:

- Concepts and Processes
 - ◆ Analyze geographic theories, approaches, concepts, processes, or models in theoretical and applied contexts.
- Spatial Relationships
 - ◆ Analyze geographic patterns, relationships, and outcomes in applied contexts.
- Data Analysis
 - ◆ Analyze and interpret quantitative geographic data represented in maps, tables, charts, graphs, satellite images, and infographics.
- Source Analysis
 - ◆ Analyze and interpret qualitative geographic information represented in maps, images (e.g., satellite, photographs, cartoons), and landscapes.
- Scale Analysis
 - ◆ Analyze geographic theories, approaches, concepts, processes, and models across geographic scales to explain spatial relationships.



AP Human Geography Course Content

The course content is organized into seven commonly taught units, which have been arranged in the following suggested, logical sequence:

- **Unit 1:** Thinking Geographically
- **Unit 2:** Population and Migration Patterns and Processes
- **Unit 3:** Cultural Patterns and Processes
- **Unit 4:** Political Patterns and Processes
- **Unit 5:** Agriculture and Rural Land-Use Patterns and Processes
- **Unit 6:** Cities and Urban Land-Use Patterns and Processes
- **Unit 7:** Industrial and Economic Development Patterns and Processes

Skills You'll Learn

Understanding Spanish when you hear it and read it
Holding conversations in real-life situations
Writing stories, letters, emails, essays, and other texts

AP

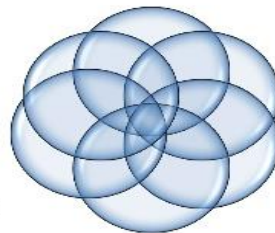


A Thematic Approach

Global Challenges /
Los desafíos mundiales

Beauty and Aesthetics /
La belleza y la estética

Families and Communities /
Las familias y las comunidades



Science and Technology /
La ciencia y la tecnología

Contemporary Life /
La vida contemporánea

Personal and Public Identities /
Las identidades personales y públicas



AP French Language and Culture

Course Description:

The AP French Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

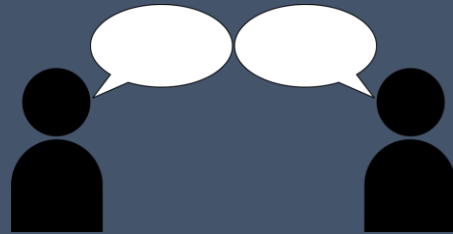


AP WORLD HISTORY

Course Description:

Modern is an introductory college-level modern world history course.

Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.



AP Language and Composition

College Board Description of the Course: The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods.

General Overview: The course includes two semesters, divided into four terms. **RHETORICAL SITUATION (RHS)** Enduring Understanding **CLAIMS AND EVIDENCE (CLE)** Enduring Understanding **REASONING AND ORGANIZATION (REO)** Enduring Understanding **REO-1:** Writers guide understanding of a text's lines of reasoning and claims through that text's organization and integration of evidence. **STYLE (STL)** Enduring Understanding **STL-1:** The rhetorical situation informs the strategic stylistic choices that writers make.



AP Literature and Composition



College Board Description of the Course: The AP English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.^[1]

General Overview: The course includes two semesters, divided into four terms. The course plan is organized by theme and genre. Each unit includes big ideas, readings, skills, and writing assignments. Reading assignments will date from pre-20th century works to present-day.



AP Art & Design

Course Description:

The AP Art and Design program consists of three different courses and AP Portfolio Exams—AP 2-D Art and Design, AP 3-D Art and Design, and AP Drawing—corresponding to college and university foundations courses. Students may choose to submit any or all of the AP Portfolio Exams. Students create a portfolio of work to demonstrate inquiry through art and design as well as development of materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. In May, students submit portfolios for evaluation based on specific criteria. This criterion includes skillful synthesis of materials, processes, and ideas in addition to sustained investigation through practice, experimentation, and revision, guided by questions.



Students will study the cultural, economic, political, and social developments that have shaped the United States from c. 1491 to the present. You'll analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments.



You'll learn how to: evaluate primary and secondary sources, analyze evidence, put historical events into context and explain how they are related, and craft strong thesis statements that can be defended.

AP Statistics

Course Description:

Introduction to data analysis, sampling methods, probability models, and inference procedures. Statistics is typically a college requirement for almost all majors, but will be a core requirement for some (such as Agricultural Sciences, Pre-Med / Pharmacy, Business, Engineering, Mathematics, Science, and Social Work / Humanities).

Who should take this course:

- Students whose major is listed above
- Students who want an AP math course that isn't heavy on calculations
- Students who want to learn about data used in real life situations (sports, news, medicine, etc.)

AP Calculus AB/BC

Course Description:

Introduction to mathematical processes of limits, rates of change of variables, accumulation of change, and differential equations. Calculus is typically a core requirement of all math-focused majors (Engineering, Mathematics, Science, Business, Computer Science, Pre-Med / Pharmacy).

Who should take this course:

- Students whose major is listed above
- Students who enjoyed the rigor of Precalculus
- Students who are interested in computations to solve real world scenarios and predict changes over time

AP Precalculus

Course Description:

Follow up to Algebra 2 course. Covers intermediate algebra, trigonometry, and a brief introduction to Calculus concepts. Focused on preparing students for AP Calculus.

Who should take this course:

- Students who enjoyed the rigor of Honors Algebra 2
- **Students who passed the TSIA**
- Students who want to pursue AP Calculus/Statistics or multiple Math/Science courses in the future

AP ENVIRONMENTAL SCIENCE

Students cultivate their understanding of the interrelationships of the natural world through inquiry-based lab investigations and field work as they explore concepts like the four Big Ideas; energy transfer, interactions between earth systems, interactions between different species and the environment, and sustainability.



AP ENVIRONMENTAL SCIENCE

AP Environmental Science Course Content

The course content is organized into nine commonly taught units, which have been arranged in the following suggested, logical sequence:

- **Unit 1:** The Living World: Ecosystems
- **Unit 2:** The Living World: Biodiversity
- **Unit 3:** Populations
- **Unit 4:** Earth Systems and Resources
- **Unit 5:** Land and Water Use
- **Unit 6:** Energy Resources and Consumption
- **Unit 7:** Atmospheric Pollution
- **Unit 8:** Aquatic and Terrestrial Pollution
- **Unit 9:** Global Change

AP Environmental Science Practices

- **Concept Explanation:** Explain environmental concepts, processes, and models presented in written format.
- **Visual Representations:** Analyze visual representations of environmental concepts and processes.
- **Text Analysis:** Analyze sources of information about environmental issues.
- **Scientific Experiments:** Analyze research studies that test environmental principles.
- **Data Analysis:** Analyze and interpret quantitative data represented in tables, charts, and graphs.
- **Mathematical Routines:** Apply quantitative methods to address environmental concepts.
- **Environmental Solutions:** Propose and justify solutions to environmental problems.

TEXAS ONRAMPS

Experience College Before College



OnRamps Dual Enrollment through UT Austin

Credit from The University of Texas at Austin is earned through the University Extension (UEX) within the [TEXAS Extended Campus](#).

- OnRamps dual enrollment courses span **Science, Technology, Mathematics, Arts, and the Humanities**.
- Each course is modeled after one that is offered in-residence to students at The University of Texas at Austin and adheres to the same standards of quality, depth, and complexity.

<https://onramps.utexas.edu/resources/>



The University of Texas at Austin
OnRamps



General OnRamps Information

- OnRamps courses do not require admission to the university but are aligned with courses taught to UT Austin's residential students.
- A university faculty member serves as the Instructor of Record and evaluates students' progress in each college course. A GCM teacher serves as the high school teacher of record.
- Students will receive 2 different grades – college and high school
- Enrollment in an OnRamps course does not require college placement testing
- Students can choose to accept the college credit at end of the course or just take the high school credit
- Students receive weighted GPA points for GCM, 6.0 scale

OnRamps Courses at GCM

OnRamps Chemistry, grades 10-12

OnRamps College Algebra, grades 11-12

OnRamps English, grades 11-12

OnRamps Computer Science, grades 9-12

OnRamps Physics I, grades 11-12

OnRamps Pre-Calculus, grades 11-12

OnRamps Statistics, grades 11-12

***Subject to change.

All courses may NOT
be offered each year.



What is OnRamps Chemistry?

- **OnRamps Chemistry** is a dual-enrollment course. You will earn a high school credit for chemistry and have the opportunity to gain 4 college credits through UT Austin. This correlates to one semester of chemistry lecture (3 credits) and lab (1 credit). (if you don't like your college grade, you don't have to accept it)
- You will have college assignments and exams throughout the year that will determine your college eligibility grade. Your high school grade will be determined by your college assignments and in class activities. **Your college grade and your high school grade are not the same.**



Pre-AP Chemistry

OnRamps Chemistry



Traditional teacher-to-student presentation style combined with opportunities for collaboration

Calculators used in class

Aligned with AP standards

5 quality points

Rigorous

Intended for students with strong Algebra skills

Retakes and/or grade drops available

Prepares you for future OnRamps and AP classes

Flipped classroom

Inquiry-based learning style
Discovery
Questioning
Peer Collaboration

Calculators only used in lab

Simultaneous enrollment in GCM and UT (opportunity to earn college credit)

10 quality points



COMPUTER SCIENCE



OnRamps Computer Science disrupts the idea that for every problem or challenge, there must be one correct answer.

Tackle projects that interest you in an environment that encourages you to dream and to do—while giving you a safe space to make decisions that might not work in the end.

This course is designed to offer fresh experiences, perspective, and practice with the wizardry behind our modern computing ecosystem—whether you already have knowledge of computer science or not. From basic coding to artificial intelligence, you'll get to work with your classmates to envision clever solutions to challenges and learn how create a tangible product that showcases those solutions.



OnRamps Computer Science

“Certain activities and projects I have worked on persuaded me to further pursue who I want to be when I grow up. I know that other people who take this class could say the same.”

- Former OnRamps Computer Science Student

- ✓ Develop new competencies in some of the most in-demand skills and software of the 21st century.
- ✓ Explore topics like video game development, video manipulation, animation, 2-D and 3-D modeling, deepfakes, and more!
- ✓ Learn to manage your time, collaborate with others, and approach problems creatively.
- ✓ Earn transferable college credit and build skills for success in college and a career.

TRANSFERABILITY

UT Course Code: CS 302

3 College Credits

PRE-REQUISITES

Algebra I

No test or application required to enroll

ONRAMPS PHYSICS AND LAB

-Dual Enrollment – No Test for Credit like AP

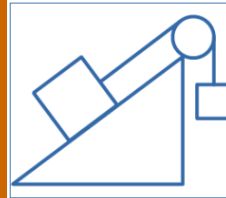
-HS Honors Credit + Opportunity for 4 Hours College credit

-Both credits at 6.0 GPA scale

-College course rigor and experience to prepare for college

-Build skills needed for college

-Each OnRamps class is set up differently with different pedagogy styles



MECHANICS, HEAT, AND SOUND

GENERAL PHYSICS TECHNICAL COURSE

Mechanics, Heat, and Sound introduces big ideas in physics, such as Newtonian mechanics (including motion, force, energy, and rotation), as well as solid and fluid mechanics, oscillations, waves, sound, and heat. Taken together, the topics reinforce the general idea that the behavior of many systems in the world can be described precisely with simple mathematics.

This is an algebra-based (non-calculus) course in mechanics that fulfills a general physics requirement. Proficiency in algebra and geometry is assumed. This course lays the conceptual groundwork for STEM majors. Students will experience a high-quality curriculum designed by the faculty at The University of Texas at Austin (UT Austin). Students can earn up to four hours of UT Austin credit, with feedback and assessment provided by UT Austin course staff.

General Physics Laboratory I—the course's lab component—engages students in both guided and open inquiry investigations of physical principles. It is designed to instill foundational scientific reasoning, data collection, and analytical skills.

BIG IDEAS			TRANSFERABILITY
MECHANICS Kinematics (description of motion), dynamics (forces, causes of motion), energy (kinetic and potential), gravitation, rotational motion, statics, and elasticity	OSCILLATIONS, WAVES, AND SOUND Simple harmonic oscillation, traveling waves, standing waves, sound intensity, interference, and diffraction	HEAT Heat conduction, heat capacity, laws of thermodynamics, and engines	<ul style="list-style-type: none">• TCCNs: PHYS 1301 + PHYS 1101• UT Course Codes: PHY 302K + PHY 102M<ul style="list-style-type: none">◦ 4 College Credits (3 for lecture, 1 for lab)
LABORATORY Experimental design and planning, data collection, measurement of uncertainty, analysis, and data representation		OTHER SKILLS Scientific reasoning, evaluation of concepts in physics, scientific communication, and collaboration	PRE-REQUISITES <ul style="list-style-type: none">• Algebra I• Geometry• Algebra II or Precalculus (recommended)

Advanced Course Sequence

*Entered high school in 2014-2015 and thereafter
Cohort 2018 and beyond*

Grade	Course
9th	Honors English I
10th	Honors English II
11th	AP English III (Language and Composition) Dual Credit English Composition <i>*see Lee College course guide</i>
12th	AP English IV (Literature and Composition) Dual Credit English Composition or English Literature <i>*see Lee College course guide</i>
11th/12th	English 1301 3A (Dual Credit) English 1301 3B (Dual Credit) English 1302 3A (Dual Credit) English 1302 4A (Dual Credit) OnRamps Rhetoric and Writing

Advanced Course Sequence
*Entered high school in 2014-2015 and
 thereafter Cohort 2018 and beyond*

Grade	Course Sequence for students who received Algebra I credit in 8 th Grade	Prerequisite Course
9th	Honors Geometry	Honors Algebra I
10th	Honors Algebra II	Honors Geometry
11th/12th	Honors Pre-Calculus AP Precalculus AP Statistics AP Calculus AB AP Calculus BC Dual Credit College Algebra Dual Credit Finite Math Dual Credit Pre-Calculus OnRamps AP Precalculus Precalculus OnRamps Statistics OnRamps College Algebra	Honors Algebra II

SCIENCE - COURSE SEQUENCE Cont.

Advanced Course Sequence

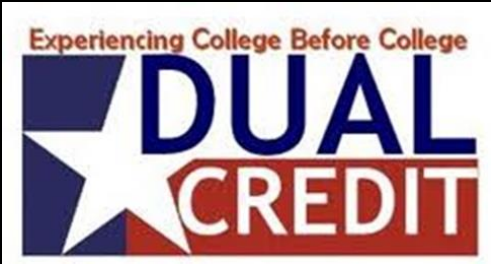
*Entered high school in 2014-2015 and thereafter
Cohort 2018 and beyond*

Grade	Course
9th	Honors Biology
10th	Honors Chemistry Honors Physics
11th	AP Biology AP Chemistry AP Physics I AP Physics II AP Physics C AP Environmental Science Dual Credit Applied Petrochemical and Technology Dual Credit General Biology Dual Credit General Chemistry Dual Credit College Physics Dual Credit Environmental Science Dual Credit Human Anatomy and Physiology OnRamps Science
12th	AP Biology AP Chemistry AP Physics I AP Physics II AP Physics C AP Environmental Science Dual Credit Applied Petrochemical and Technology Dual Credit General Biology Dual Credit General Chemistry Dual Credit College Physics Dual Credit Environmental Science Dual Credit Human Anatomy and Physiology OnRamps Science

Suggested Course Sequence for Advanced Social Studies

Entered high school in 2014-2015 and thereafter. Please Note: many top tier universities currently require four years of Social Studies credits for freshman applicants. Please check requirements for all universities of interest.

Grade	Course
9th	Honors World Geography Honors World History AP Human Geography
10th	AP World History AP Human Geography AP European History Special Topics AP US History: Modern Dual Credit US History
11th	
12th	AP Macroeconomics AP United States Government & Politics Dual Credit Government Dual Credit Macroeconomics



Mixing Advanced Courses

- Students will need to choose the advanced courses that best fit the career field and college degree plan they have chosen.
- Many times, a mix of dual credit, AP, and OnRamps may be the best option to make sure students have the correct courses needed for their future plans.



CollegeBoard
Advanced Placement
Program

Drop Policy AP OnRamps

- Requirements must be met before you can be considered for a drop
 - Get drop form from counselor
 - Teacher/Parent Conference
 - Teacher/Student Conference
 - Attend tutorials
 - No missing work
 - Less than 75 at grading period
- Drop forms are accepted first progress report and end of the 1st nine week.
- Not all advanced course have a matching on-level course
- There may be no availability in an on-level course



Thank you for attending!

Contact info:

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alice.hoy@gccisd.net



Jade Godoy, Lee College Advisor

jgodoy@lee.edu



CollegeBoard
Advanced Placement
Program

GCCISD Educational Planning Guide

<https://www.gccisd.net/upload/page/0064/docs/1.7.22%20EPG.pdf>

