



**NEW STUDENT
CONFERENCE
PRESENTATION**



TEXAS A&M UNIVERSITY
Biochemistry &
Biophysics

HOWDY!!! WELCOME CLASS OF 2028

COLLEGE OF AGRICULTURE & LIFE SCIENCES (COALS)

DEPARTMENT OF BIOCHEMISTRY & BIOPHYSICS (BCBP)

Two Undergraduate Majors:

- BIOCHEMISTRY (BICH)
- GENETICS (GENE)





Undergraduate
Majors:
BICH, GENE

david.wellman@ag.tamu.edu
KLCT 114

**DAVID
WELLMAN**



Undergraduate
Majors:
BICH, GENE

khara.spears@ag.tamu.edu
KLCT 114

**KHARA
SPEARS**

BIOCHEMISTRY & GENETICS ADVISING – KLEBERG ADVISING HUB – KLCT 109/114

PROGRAM COORDINATOR:

- **Kaitlyn McGaff** – bcbp-ug@ag.tamu.edu

ASSOCIATE DEPARTMENT HEAD:

- **Dr. Tim Devarenne** –
timothy.devarenne@ag.tamu.edu

UNDERGRADUATE OFFICE:

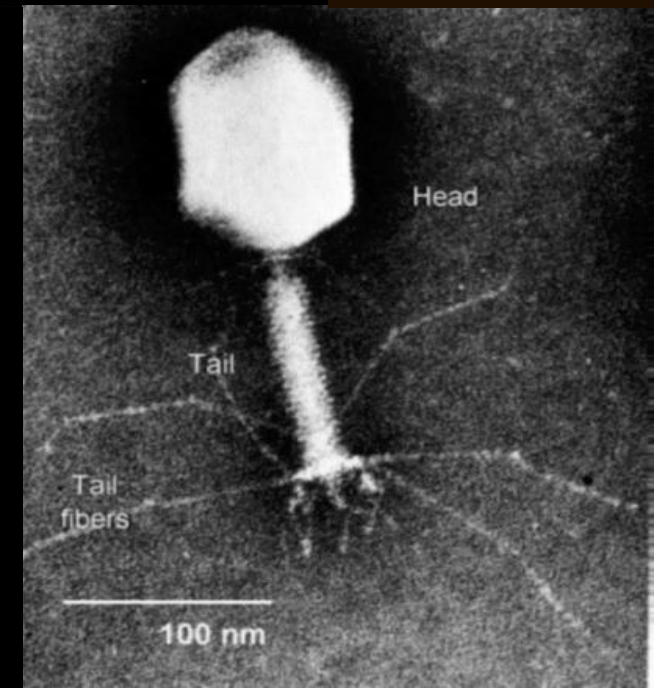
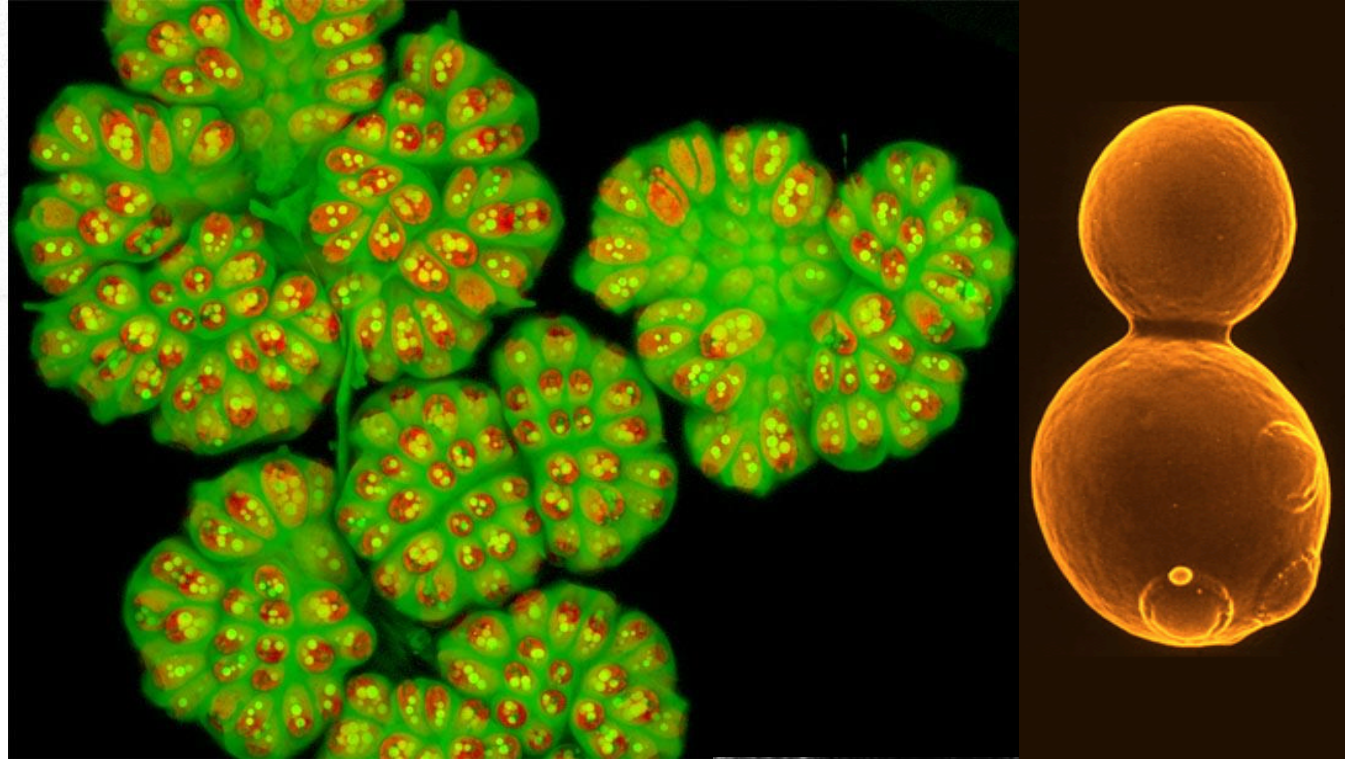
- **Email** – bcbp-ug@ag.tamu.edu



CREATING NEW KNOWLEDGE

Not only an opportunity, but a REQUIREMENT to get involved in research

- BICH 491 or GENE 491 is required for graduation
- Many research topics are under active investigation
- Many undergraduates earn co-authorship on publications



WHAT BICH & GENE GRADUATES DO:

Medical School

Texas A&M
Texas Tech
Baylor College of Medicine
UT Southwestern
UT San Antonio
UT Medical Branch
Galveston (MD/PhD)
UT Houston
Texas College of Osteopathic Medicine
Mayo Clinic (MD/PhD)
Indiana University (MD/PhD)
Columbia University (MD/PhD)
University of Iowa (MD/PhD)

Other Health Sciences

Texas A&M Vet School
University of Illinois Vet School
Texas Tech Physician Assistant Program
University of Houston Optometry School
UT Houston Dental School

Employment

Kalon Biotherapeutics
Saint Arnold Brewing Company
M-BioLabs, Inc.
UT Houston Medical School
Texas A&M University
Fuji Film

Graduate School

Texas A&M
Duke University
University of Pennsylvania
University of Illinois
UT Southwestern
Harvard University
UC Berkeley
UT Houston Genetic Counseling Program
UNT Forensic Sciences

Other

Teach for America
United States Army / Navy / Marine Corps



THE KEY TO SUCCESS IN COLLEGE...

GO TO CLASS!!!



GET INVOLVED

- Biochemistry & Genetics Society (BGS)
- Bioethics Forum
- Information at MSC Open House
- Become an Officer – show leadership



WHAT DO YOU SEE??

Please look over this math and give some feedback:

$$9 \times 1 = 9$$

$$9 \times 2 = 18$$

$$9 \times 3 = 27$$

$$9 \times 4 = 36$$

$$9 \times 5 = 45$$

$$9 \times 6 = 53$$

$$9 \times 7 = 63$$

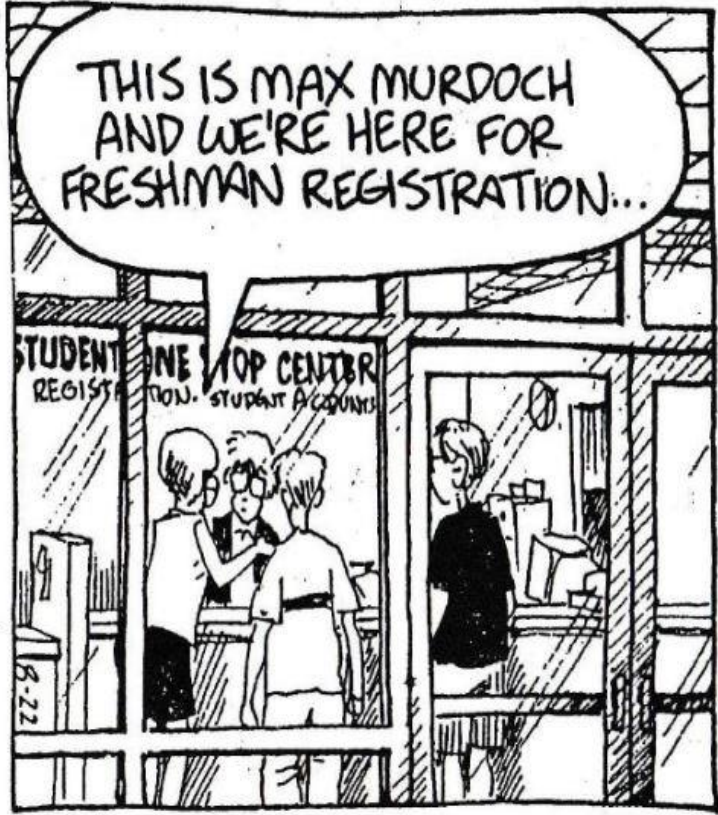
$$9 \times 8 = 72$$

$$9 \times 9 = 81$$

$$9 \times 10 = 90$$

10 THINGS THAT REQUIRE NO TALENT

1. BEING ON TIME
2. WORK ETHIC
3. EFFORT
4. BODY LANGUAGE
5. ENERGY
6. ATTITUDE
7. PASSION
8. BEING COACHABLE
9. DOING EXTRA
10. BEING PREPARED



©2001 Mediagraphics, Inc./Distributed by Universal Press Syndicate



GATIUK & AYERS



YOUR ACADEMIC RECORD

- Family Educational Rights and Privacy Act (FERPA)
- Your academic record is private
- **YOU** are the **ONLY** person with whom we can discuss your academic record
- Your college experience is up to **YOU!**



ACADEMIC PROBATION – STUDENT RULE 12.1

- A student is scholastically deficient when:
 - 1.1 *His or her semester grade point ratio is less than 2.00; or*
 - 1.2 *His or her cumulative grade point ratio is less than 2.00; or*
 - 1.3 *The cumulative grade point ratio in his or her major field of study is below a 2.00; or*
 - 1.4 *He or she is not meeting college and/or major course of study grade point requirements.*



BCBP DEPARTMENT ACADEMIC PROBATION POLICY

Overall GPA below 2.25 -

Semester GPA below 2.00 for two consecutive semesters

Consequences

- Hold placed on your account until you see Khara, Poppy or David
- Develop a formal plan for improvement or change of major



ACADEMIC PROBATION – HELP OPTIONS

- Academic Success Center - <https://asc.tamu.edu/>
- Student Counseling Services - <https://caps.tamu.edu/>
- Student Disability Services - <https://disability.tamu.edu/>
- Writing Center - <https://writingcenter.tamu.edu/>
- Veteran Resource and Support Center – <https://aggieveterans.tamu.edu/>



STUDY TIP!!!!

Tutoring at the
collegiate level is
supplemental!

NOT
Remedial



SCHOLARSHIP RECIPIENTS

- Recipients of certain scholarships must register for *and* complete 30 credit hours within the academic year (Fall, Spring and Summer) in order for the scholarship to be renewed.
- This is in addition to other GPR and completion rate rules. These hours can be earned via transfer credit, dual credit, or AP/IB testing.

For more information visit:

<https://scholarships.tamu.edu/>



AP, SAT II & IB CREDIT –

- AP, SAT II and/or IB credit is offered to any student who has the minimum score set by Texas A&M
- Students can choose whether to accept credit
- Meet with Khara or David before accepting credit
- Credit can be accepted under *My Record* in Howdy
(This can be done anytime before graduation, but it cannot be revoked.)

For more information visit:

<https://testing.tamu.edu/AP-IB-Credit>



TYPICAL FRESHMAN SCHEDULE

BICH/GENE 101	(1)
AGLS 125	(0)
CHEM 119	(4)
MATH 150 or 151 or 171	(4)
Core course or BIOL 111 or elective*	(3-6)
TOTAL.....	(12-15)

*ENGL 104 (3)

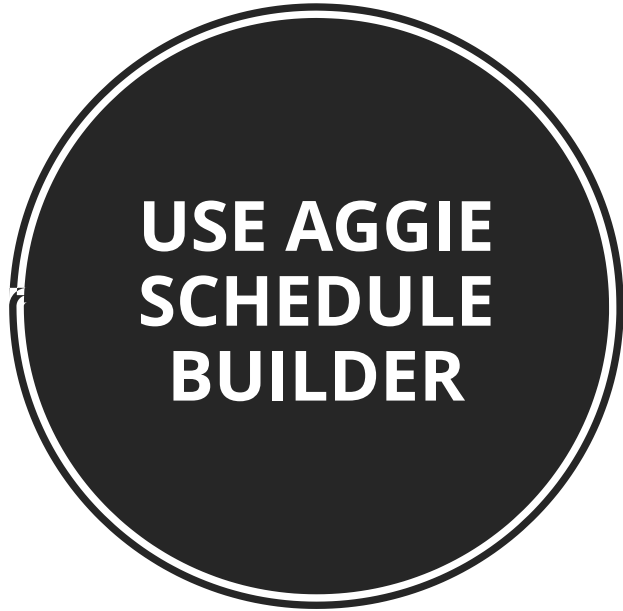
- All BICH/GENE Freshmen are expected to enroll in a MATH ***and*** CHEM course regardless of AP/IB/Dual Credit.



REGISTRATION TIPS

- Check for Holds – Make sure they do not affect registration
- Lab Safety Agreements
- Location Updates
- Terms of Use





Howdy

Registration & Schedule Builder ▾ Home ▾ Advising ▾ Howdy Dashboard ▾ Former St

Registration & Schedule Builder

[Aggie Schedule Builder\(Class Search and Registration\)](#)

- Search and compare schedule options based on all sections offered to find the best fit
- Add breaks to build schedules around your availability
- Save potential schedule to your shopping cart
- Register directly from Aggie Schedule Builder shopping cart

!!!IMPORTANT!!!
Check your [Registration Readiness Status](#) prior to your registration time.


Texas A&M University at College Station - Texas A&M University at Galveston - Texas A&M University at Qatar - Contact

Last updated on: 2022-08-15:14:45:52-0b1c1a01



AGGIE SCHEDULE BUILDER

Build Schedule Shopping Cart (0) Current Schedule (0) Help Sign out



Term: Fall 2023 - College Station Change Course Status: Open Classes Only Change

Sessions: All Sessions Selected Change Instruction Modes: All Instruction Modes Selected Change

UIN:

You are not currently eligible to register. You can still use the Aggie Schedule Builder and save your Registration Cart but you will not be able to register. ×

Instructions: Add desired courses and breaks and click Generate Schedules button! ×

Courses + Add Course

Add the courses you wish to take for the upcoming term.

Breaks + Add Break

Add times during the day you do not wish to take classes.

Schedules Advanced Options View Schedules

Generate Schedules

Compare Select at least two schedules to compare side by side

AGGIE SCHEDULE BUILDER

Build Schedule

Shopping Cart (0)

Current Schedule (0)

Help

Sign out



Term	Fall 2023 - College Station	Change	Course Status	Open Classes Only	Change
Sessions	All Sessions Selected	Change	Instruction Modes	All Instruction Modes Selected	Change

UIN:

You are not currently eligible to register. You can still use the Aggie Schedule Builder and save your Registration Cart but you will not be able to register.

Instructions: Add desired courses and breaks and click Generate Schedules button!

Courses

+ Add Course

<input checked="" type="checkbox"/> Select All				
<input checked="" type="checkbox"/> BICH 101 Perspectives in Biochemistry and Genetics	Sections	i	lock	x
<input checked="" type="checkbox"/> CHEM 119 Fundamentals of Chemistry I	Sections	i	lock	x
<input checked="" type="checkbox"/> MATH 151 Engineering Mathematics I	Sections	i	lock	x
Prerequisites				
<input checked="" type="checkbox"/> POLS 207 State and Local Government	Sections	i	lock	x

Breaks

+ Add Break

Add times during the day you do not wish to take classes.

Schedules

Advanced Options

View Schedules

Generate Schedules

Compare

Select at least two schedules to compare side by side






AGGIE SCHEDULE BUILDER

Enabled (35 of 35)		Disabled (140)		Advanced Filters				
<input checked="" type="checkbox"/>	CRN #	Subject	Course	Section	Credits	Seats Open	Instruction Mode	Day(s) & Location(s)
<input checked="" type="checkbox"/>	i 38001	CHEM	119	201	4	1	Traditional Face-to-Face (F2F)	Th 8:00am - 10:50am 08/24/2023 - 12/07/2023 ILSQ E110 MWF 10:20am - 11:10am 08/21/2023 - 12/11/2023 CHEM 255
Honors Restrictions Instructor: Tabor, Daniel P								
<input checked="" type="checkbox"/>	i 41699	CHEM	119	494	4	6	Traditional Face-to-Face (F2F)	T 8:00am - 10:50am 08/22/2023 - 12/12/2023 ILSQ E110 MWF 12:40pm - 1:30pm 08/21/2023 - 12/11/2023 CHEM 255
Restrictions Instructor: Banerjee, Sarbajit								
<input checked="" type="checkbox"/>	i 50429	CHEM	119	658	4	2	Traditional Face-to-Face (F2F)	Th 2:20pm - 5:10pm 08/24/2023 - 12/07/2023 ILSO E208 MWF 3:00pm - 3:50pm 08/21/2023 - 12/11/2023 ILCB 113
Instructor: Songok, Abigael								
<input checked="" type="checkbox"/>	i 40644	CHEM	119	M01	4	22	Traditional Face-to-Face (F2F)	MWF 12:40pm - 1:30pm 08/21/2023 - 12/11/2023 HECM 115 M 3:00pm - 5:50pm 08/21/2023 - 12/11/2023 HECM 314
Restrictions Instructor: Wang, Xuan								
<input checked="" type="checkbox"/>	i 49094	CHEM	119	M03	4	18	Traditional Face-to-Face (F2F)	Th 12:45pm - 3:45pm 08/24/2023 - 12/07/2023 HECM 314 MWF 12:40pm - 1:30pm 08/21/2023 - 12/11/2023 HECM 115
Restrictions Instructor: Wang, Xuan								






COURSE INFORMATION

Status	CRN #	Subject	Course	Section	Credits	Seats Open	Instruction Mode	Day(s) & Location(s)
   Not Enrolled	52404	MATH	151	587	4	22	Traditional Face-to-Face (F2F)	Th 7:30pm - 9:30pm 11/16/2023 - 11/16/2023 Th 7:30pm - 9:30pm 10/19/2023 - 10/19/2023 4 More
<p>Prerequisites</p> <p>Title: Engineering Mathematics I CRN #: 52404 Subject: MATH Course: 151 Section: 587 Credits: 4 Seats Open: 22 Instruction Mode: Traditional Face-to-Face (F2F) Component: Lecture and Laboratory Parts of Term: Fall 2023 - College Station - Semester Section Attributes: College Station, Core Mathematics (KMTH) Additional Information: Course Eval No syllabus No instructor assigned Prerequisites: MPTL 22 or MATH 150 w/Min Grade C Section Fees: Bookstore & Book Prices:</p> <ul style="list-style-type: none"> College Station (Barnes & Noble) School of Law <p>Click here to review/order textbooks now</p> <p>Campus: College Station</p> <p>Instructor: Not Assigned</p>								
						4		



COURSE INFORMATION

Status	CRN #	Subject	Course	Section	Credits	Seats Open	Instruction Mode	Day(s) & Location(s)
   Not Enrolled	41700	CHEM	119	495	4	16	Traditional Face-to-Face (F2F)	T 11:10am - 2:00pm 08/22/2023 - 12/12/2023 ILSQ E110 MWF 12:40pm - 1:30pm 08/21/2023 - 12/11/2023 CHEM 255
Restrictions								
<p>Title: Fundamentals of Chemistry I CRN #: 41700 Subject: CHEM Course: 119 Section: 495 Credits: 4 Seats Open: 16 Instruction Mode: Traditional Face-to-Face (F2F) Component: Lecture and Laboratory Parts of Term: Fall 2023 - College Station - Semester Section Attributes: College Station, Core Life/Physical Sci (KLPS), Lab Safety Acknowledgment Section Restrictions: Must be: Major Chemistry Additional Information: Course Eval No syllabus Sarbjit Banerjee Prerequisites: Section Fees: Bookstore & Book Prices:</p> <ul style="list-style-type: none">◦ College Station (Barnes & Noble)◦ School of Law <p>Click here to review/order textbooks now Campus: College Station</p>								
<p>Day(s) & Location(s): T 11:10am - 2:00pm ILSQ E110 Dates: 08/22/2023 - 12/12/2023 MWF 12:40pm - 1:30pm CHEM 255 Dates: 08/21/2023 - 12/11/2023</p> <p>Description: (CHEM 1311 and 1111, 1411) Fundamentals of Chemistry I. (3-3). Credit 4. Introduction to modern theories of atomic structure and chemical bonding; chemical reactions; stoichiometry; states of matter; solutions; equilibrium; acids and bases; coordination chemistry ; methods and techniques of chemical experimentation; qualitative and semiquantitative procedures applied to investigative situations; also taught at Galveston campus.</p>								



COURSE INFORMATION

✓ ⓘ 12923 BIOL 111 552 4 1 Traditional Face-to-Face (F2F) MWF 1:50pm - 2:40pm 08/21/2023 - 12/11/2023 HELD 200 M 6:30pm - 9:20pm 08/21/2023 - 12/11/2023 HELD 314

Free Textbook Restrictions

Title: Introductory Biology I

CRN #: 12923

Subject: BIOL

Course: 111

Section: 552

Credits: 4

Seats Open: 1

Instruction Mode: Traditional Face-to-Face (F2F)

Component: Lecture and Laboratory

Parts of Term: Fall 2023 - College Station - Semester

Section Attributes: College Station, Core Life/Physical Sci (KLPS), Lab Safety Acknowledgment, Open Education Resources

Section Restrictions: May not be: Concentration Molecular & Cellular NRSC and (May not be: Major Biology or Microbiology or Molecular & Cell Biology or Zoology) and (May not be: Program BA BIOL or BA BIOL or BS BIOL or BS BIOL or BS BMCB or BS BMCB or BS MBIO or BS MBIO or BS NRSC-Molecular & Cellular or BS NRSC-Molecular & Cellular or BS ZOOL or BS ZOOL)

Additional Information:

Course Eval | No syllabus | Andrew Loran Seely

Prerequisites:

Section Fees:

Bookstore & Book Prices:

- College Station (Barnes & Noble)
- School of Law

[Click here to review/order textbooks now](#)

Campus: College Station

Instructor: Seely, Andrew Loran

Day(s) & Location(s):

MWF 1:50pm - 2:40pm HELD 200

Dates: 08/21/2023 - 12/11/2023

M 6:30pm - 9:20pm HELD 314

Dates: 08/21/2023 - 12/11/2023

Notes: Restrictions: May not be enrolled in one of the following Colleges: English Language Institute; Cannot be enrolled in one of the following Majors: BA BIOL (BA-BIOL) BS BIOL(BS-BIOL) BS BMCB(BS-BMCB) BS MBIO(BS-MBIO) BS NRSC-Molecular & Cellular(BS-NRSC-MCB) BS ZOOL(BS-ZOOL)

Description: (BIOL 1306 and 1106, 1406) Introductory Biology I. (3-3). Credit 4. First half of an introductory two-semester survey of contemporary biology that covers the chemical basis of life, structure and biology of the cell, molecular biology and genetics; includes laboratory that reinforces and provides supplemental information related to the lecture topics; also taught at Galveston campus.



CORE.TAMU.EDU



CORE CURRICULUM SEARCH

Undergraduate Studies

Core ICD

The courses listed below have been approved by the Texas Higher Education Coordinating Board as Texas A&M University's Core Curriculum.

Courses in the Core Curriculum must meet one of eight Foundational Component Areas. To narrow down the search, courses can be sorted by Foundational Component Area, by campus (College Station and Galveston), by course, or by tit

2023 2022 2021 2020 2019 2018 2017 2016

Note: Only ENGL 104 sections offered in Galveston during or after fall 2019 can be used to fulfill the CD graduation requirement. Note: Only ENGL 203 sections offered in Galveston during or after fall 2019 can be used to fulfill the CD grad requirement.

CS	GV	Foundational Component Area and Core Objectives	Course	Title	Cross Listed	Notes	Texas Common Course Number	ICD	CD
Yes	Yes	American History	HIST 105	History of the United States			HIST 1301		
Yes	Yes	American History	HIST 106	History of the United States			HIST 1302		
Yes		American History	HIST 225	Revolutionary America					Yes
Yes	Yes	American History	HIST 226	History of Texas			HIST 2301		
Yes		American History	HIST 230	American Military History, 1609 to Present					
Yes	Yes	American History	HIST 232	History of American Sea Power					
Yes		American History	HIST 258	American Indian History					
Yes		American History	HIST 300	Blacks in the United States, 1607-1877	AFST 300				
Yes		American History	HIST 301	Blacks in the United States Since 1877	AFST 301			Yes	
Yes		American History	HIST 304	Southwest Borderlands					
Yes		American History	AFST 300	Blacks in the United States, 1607-1877	HIST 300				
Yes		American History	AFST 301	Blacks in the United States Since 1877	HIST 301			Yes	






TEXAS A&M UNIVERSITY

Biochemistry &
Biophysics

CONTACT US

 Biochemistry/Biophysics (Bio-Bio)

 (979) 458-1136

 Bcbp-ug@ag.tamu.edu

FOLLOW US

 @Texas A&M University
Department of Biochemistry &
Biophysics

 @TAMUBCBP