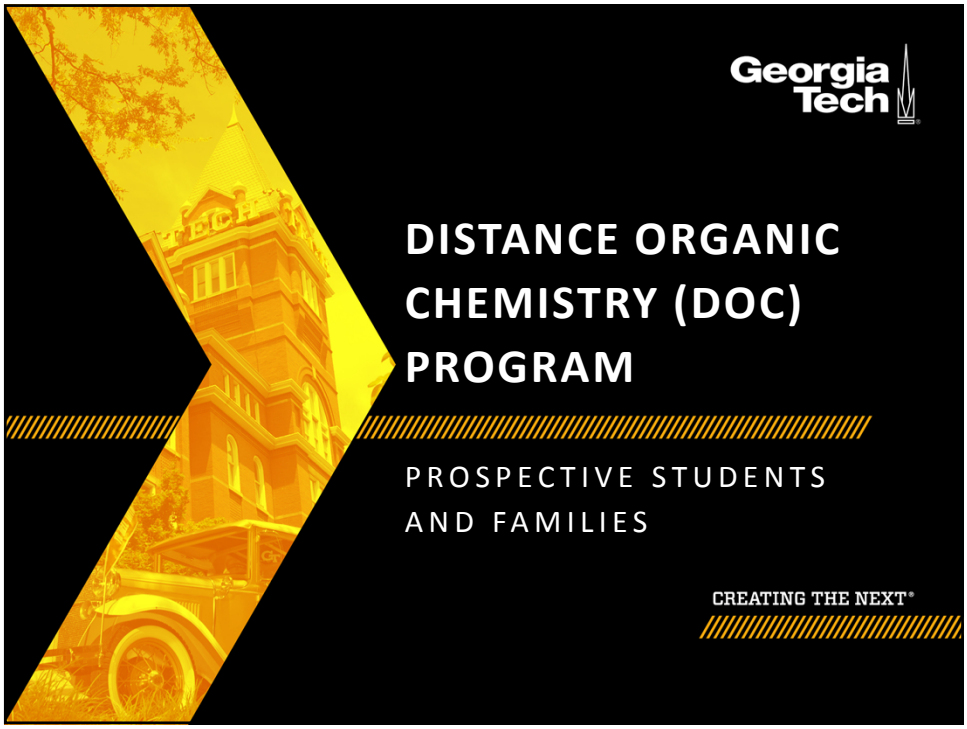
Georgia Tech
DISTANCE ORGANIC CHEMISTRY (DOC) PROGRAM
PROSPECTIVE STUDENTS AND FAMILIES
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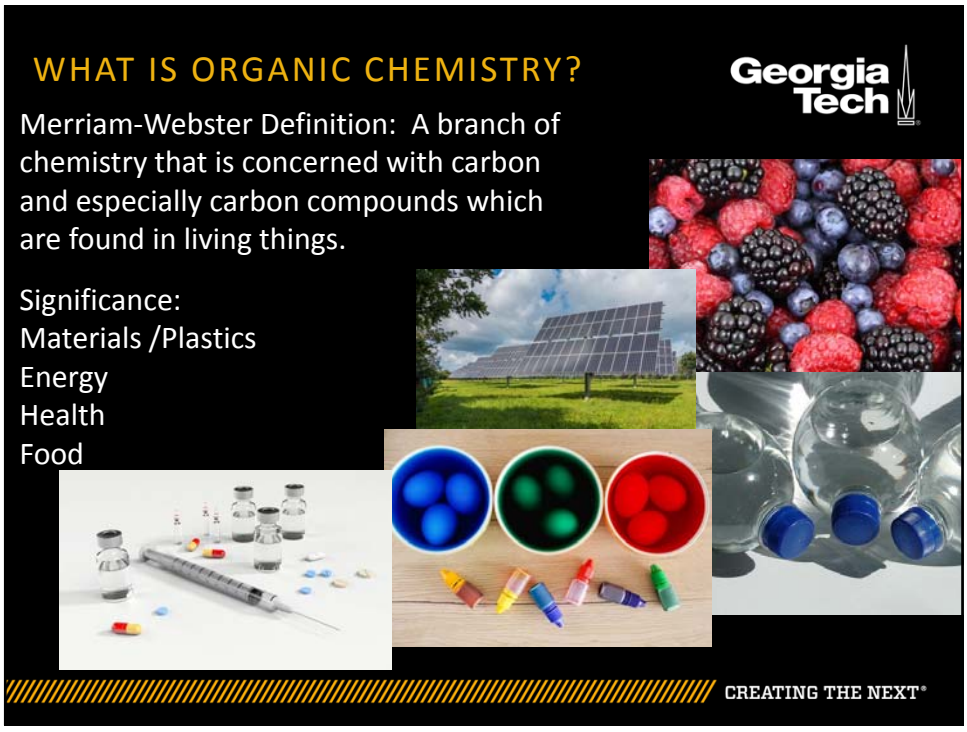
WHAT IS ORGANIC CHEMISTRY?
Georgia Tech
Merriam-Webster Definition: A branch of chemistry that is concerned with carbon and especially carbon compounds which are found in living things.
Significance:
Materials /Plastics
Energy
Health
Food
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PROGRAM OVERVIEW

- Partnership between Georgia Tech and Georgia High Schools
- Designed to provide an introduction to organic chemistry to talented students who have completed qualifying high school AP Chemistry
- Courses are taught at the college level with Georgia Tech standards

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ARE YOU A GOOD CANDIDATE?

- Really like chemistry or biochemistry (or allied fields of science) and want further study in the subject, including interest in fulfilling a pre-medical/dental/pharmacy/nursing/physical therapy course requirement
- Mature, responsible
  - Always complete homework
  - Always pay attention and participate
- Comfortable in this distance setting
- *Self-advocate*
- Overall rigor, grades, and test scores indicate student could be comfortable in a GT class

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HS DUAL ENROLLMENT VS. FULL-TIME ADMISSION TO GT

- Admission processes are separate
- Separate decisions for each application
- Full time new student admission to Georgia Tech considers non-academic factors that are not included in DOC admission

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DOC ADMISSION CRITERIA

Minimum Requirements:

- Score of 4 or 5 on AP Chemistry exam
- 3.5 math GPA on GT's recalculated scale

Competitive Ranges (middle 50%):

- GPA: 4.0 - 4.46
- Numeric average: 98.36 -100.7
- SAT EBRW + M: 1410 - 1540
- ACT C: 32 - 35

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COMPETITIVE ADMISSION PROCESS

- Meeting minimum requirements *does not* guarantee admission to the program
- Demand for this program will determine level of competition in admission
- Admission will be offered to the most competitive applicants
- Have alternative courses in mind
  - Other dual enrollment options
  - Other high school courses

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APPLICATION INSTRUCTIONS

- Any current GT distance dual enrollment student may request consideration for this program by emailing laura.simmons@admission.gatech.edu
- All other prospective students should submit online application between September 15 and October 15. It can be found at www.admission.gatech.edu/dualenrollment/application-and-admission
- Send or upload transcript that includes Spring 2018 grades
- Have SAT/ACT and AP Chemistry scores sent directly to GT from the testing agency. You may self-report unofficial test scores until November 1. If offered admission, you must have official scores in your application by December 1.

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ONLINE APPLICATION TIPS

- Complete all required fields on the application
- Enter *graduation date* as your expected high school graduation date
- DO NOT leave residency information blank
- You may self-report SAT, ACT, and AP scores, but official reports from the testing agencies are still required if you enroll
- You must send or upload a transcript that shows grades through Spring 2018

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TEST SCORES

- Unofficial scores are due by November 1; official scores are due by December 1
  - SAT and AP Code: 5248
  - ACT Code: 0818
- We will use the highest section scores (Evidence Based Reading and Writing, English, Math, Writing, etc.) from either test and any approved test dates sent to Georgia Tech. If you are submitting SAT, you may only submit scores from March 2016 or later. We do not require Writing scores.

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IMPORTANT DEADLINES

- September 15 – Application Opens
- October 15 – Application with Transcript Due
- November 1 – SAT/ACT/AP Exam Scores Due (even if unofficial)
- November 5 – Decision Notification on Admission Portal
- December 1 – All Enrollment Documents due, including official test scores

Students who do not meet stated deadlines will not be eligible for admission or enrollment

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ADMISSION PORTAL

- After applying, students will be able to check the following application information on their admission portal:
  - Application Status
  - Materials received and materials missing
  - Test Scores received and test scores missing
  - Admission Decision

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COURSE ENROLLMENT

- All enrollment documents and information will be available to students on their Admission Portal.

- Items to complete by December 1:
  - Lawful Presence Verification
  - Dual Enrollment Funding Application
  - Dual Enrollment Student Participation Form
  - Set up GT account and Two Factor Login
- GT will register students for the courses each term

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FUNDING APPLICATIONS

- Students must complete a Dual Enrollment Funding Application via GA Futures. This application allows Georgia's Dual Enrollment program to pay for your Georgia Tech tuition and fees.
- The application must be submitted at GAFutures.org by November 15.
- Your school will then approve your funding application and forward to Georgia Tech.
- Georgia Tech must approve your funding application by December 1.

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GEORGIA'S DUAL ENROLLMENT PROGRAM

- Eligibility
  - Participating high school or home study program
  - Approved college course work
  - Compliance with Selective Service (men only)
- Award covers cost of tuition, fees and books. *Without* Dual Enrollment funding, the classes cost:
  - $1100 tuition
  - $492 mandatory fees
  - Approximately $150 books
- This award does not count toward Hope/Zell Miller Scholarships

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CONTACTS AND QUESTIONS?

- Distance Math and Science Website
  - admission.gatech.edu/dualenrollment/distance-math
- Course Instructor for Distance Organic Chemistry
  - Dr. William Baron
  - bill.baron@chemistry.gatech.edu
- Program Manager for Dual Enrollment
  - Laura Brown Simmons
  - laura.simmons@admission.gatech.edu
  - 404-894-4154

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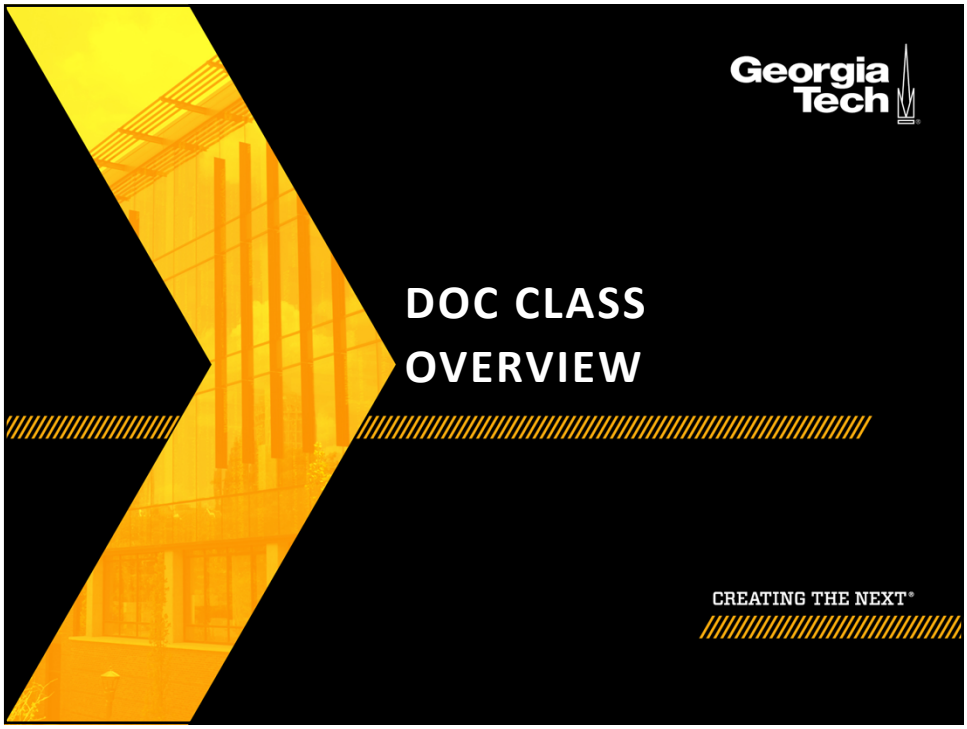

OVERVIEW

Georgia Tech

- CHEM 2311-Organic Chemistry I (distance course, spring 2019)- 3 credits
  - Lecture only course (no lab component)
  - Students will gain an understanding of:
    - structure and bonding (hybridization, 3-d shape of organic molecules, representations of organic molecules, functional groups)
    - IUPAC nomenclature and common names of organic molecules
    - conformational analysis and stereochemistry as to understand a molecule's stability and reactivity
    - how to identify nucleophiles, electrophiles and use electronic, resonance, or steric arguments to predict the mechanism for organic reactions
    - how to predict products of an organic reaction based on mechanisms
    - synthesis of organic molecules using substitution, elimination, and addition reactions
    - the role of conjugation and aromaticity in organic molecule's stability and reactivity
    - how to determine the structure of organic molecules using infrared spectroscopy, nuclear magnetic resonance spectroscopy, and mass spectrometry.

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Class format

- Lectures are pre-recorded. Students are expected to take notes, ask questions via piazza. (It is up to you to stay up-to-date with the course).
- Lectures will consist of a combination of introduction of concepts, problem-solving strategies, and discussion of questions.
- Only offered to GT HS distance students (no current residential campus component)

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HOMEWORK, EXAMS, FINAL EXAM

- Homework is completed online
- Six exams plus a final exam
  - held at your high school,
  - proctored by someone from your school,
  - sent to Georgia Tech for grading, and
  - returned to students after they are graded.
- Instructor will make available:
  - Practice materials (eg – additional practice problems, practice exams, etc)

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COURSE ORGANIZATION

- Only official grades are letter grades
- Online forum (Piazza) for asking questions
- Textbooks are online

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Contact & Questions

- Laura Brown Simmons, Office of Undergraduate Admission/ Coordinator of Dual Enrollment, laura.simmons@admission.gatech.edu
- Dr. William Baron, Course Instructor, bill.baron@chemistry.gatech.edu

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