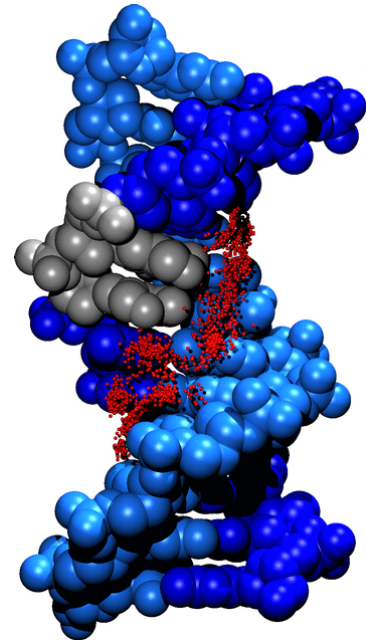




# Georgia Tech

## B.S. in Biochemistry

- Fulfills course subject matter requirements in preparation for admission into *medical, dental, pharmacy, and law schools*.
- Curriculum meets recommendation of the *American Society for Biochemistry and Molecular Biology*.
- *Excellent career opportunities:* government (health, food, medicine and forensics); industry (biotech, pharmaceuticals); academic (research, teaching)



**Biochemistry is** ..... The study of the molecular basis for life; the structure and function of cellular components such as proteins, carbohydrates, lipids and nucleic acids. It provides an understanding of the origin, detection and treatment of disease; insight into genetics; and opportunities to harness the power of biology in new fields (biofuels, biomaterials, nanomedicine, etc).

The curriculum includes a balanced schedule of **chemistry**, **biology** and **biochemistry** courses

<b>1ST YEAR</b>	<b>CHEM 1211K-Chem Principles (4)</b> MATH 1501-Calculus I (4) ENGL 1101-Eng. Comp I (3) CS 1301 or CS 1371 or 1315-Intro. Computing (3) HPS 1040-Wellness (2)	<b>CHEM 1212K-Chem Principles (4)</b> MATH 1502-Calculus II (4) ENGL 1102-Eng. Comp. II (3) <b>BIOL 1510-Biol. Prin.</b> <b>or BIOL 1520-Biol. Prin. (4)</b>
<b>2ND YEAR</b>	<b>CHEM 2211-Quant. Analysis (3)</b> <b>CHEM 2311-Organic Chemistry I (3)</b> MATH 2401-Calculus III (4) PHYS 2211-Physics I (4) HIST 2111 or 2112 or POL 1101 or INTA 1200 or PUBP 3000 or INTA 1200 (3) <sup>1,3</sup> Humanities Elective <sup>2</sup> (3)	<b>CHEM 2312-Organic Chem II (3)</b> <b>CHEM 2380-Synthesis Lab (2)</b> PHYS 2212-Physics II (4) Social Sci. Elective <sup>3</sup> (3) Humanities Elective <sup>2</sup> (3)
<b>3RD YEAR</b>	<b>CHEM 4511-Biochemistry I (3)</b> <b>CHEM 3411-Physical Chemistry I (3)</b> <b>CHEM 3371-Org. Chem. Lab (2)</b> <b>BIOL 2344-Genetics or BIOL 3340-Cell Biology (3)</b> Social Sci. Elective <sup>3</sup> (3)	<b>CHEM 4512-Biochemistry II (3)</b> <b>CHEM 4581-Biochem. Lab I (3)</b> <b>CHEM 4521-Biophysical (3)</b> <b>BIOL 4668-Eukar. Mol. Genetics or BIOL 3340-Cell Biology (3)</b> Social Sci. Elective <sup>3</sup> (3)
<b>4TH YEAR</b>	<b>CHEM 4582-Biochem. Lab II (3)</b> <b>Biology Elective<sup>5</sup> (3)</b> Free Electives <sup>4</sup> (8)	<b>CHEM 4601-Seminar (2)</b> <b>CHEM 3211-Analytical Chem. (5)</b> Free Electives <sup>4</sup> (6)

