

# Course Requirements by Major

DEGREE PROGRAMS	ENGL I (1101)	ENGL II (1102)	CALC I (1501)	CALC II (1502)	LINEAR ALG	BIOLOGY	CHEM <sup>3</sup>	PHYS I (Calc-based)	PHYS II (Calc-based)	LAB SCI <sup>1</sup> ELECTIVE	COMPSI (1301 / 1371)
Aerospace Engineering	■	■	■	■	□		■	■	□	□	
Applied Langs. & Intercultural Studies <sup>4</sup>	■	■	■	■						■/■	
Architecture	■	■	■	■				■			
Biochemistry	■	■	■	■	□	■	■	■	□	□	
Biology	■	■	■	■	□			□	□	■	■ <sup>1</sup>
Biomedical Engineering	■	■	■	■	□	□ <sup>2</sup>	■	■			
Business Administration	■	■	■	■						■/■	
Chemical & Biomolecular Engineering	■	■	■	■	□		■	■	□	□	
Chemistry	■	■	■	■	□	■	■	■	□	□	
Civil Engineering	■	■	■	■	□		■	■	□		
Computational Media	■	■	■	■	□					■/■	■
Computer Engineering	■	■	■	■	□		■	■	□		■
Computer Science	■	■	■	■	□			□		■	■
Earth & Atmospheric Sciences	■	■	■	■	□		■	■	□		
Economics	■	■	■	■						■/■	
Economics & International Affairs	■	■	■	■						■/■	
Electrical Engineering	■	■	■	■	□		■	■	□		■
Environmental Engineering	■	■	■	■	□	□	■	■	□		
Global Econ. & Modern Languages	■	■	■	■						■/■	
History, Technology & Society <sup>4</sup>	■	■	■	■						■/■	
Industrial Design	■	■	■	■				■			
Industrial Engineering	■	■	■	■	□			■		■	
International Affairs <sup>4</sup>	■	■	■	■						■/■	
Int'l Affairs & Modern Languages <sup>4</sup>	■	■	■	■						■/■	
Literature, Media & Communication <sup>4</sup>	■	■	■	■						■/■	
Materials Science & Engineering	■	■	■	■	□		■	■	□		
Mathematics	■	■	■	■	□			■	□	■	
Mechanical Engineering	■	■	■	■	□		■	■	□		
Nuclear & Radiological Engineering	■	■	■	■	□		■	■	□		
Physics	■	■	■	■	□		■	■	□		
Psychology	■	■	■	■	□	■	■			□	□
Public Policy <sup>4</sup>	■	■	■	■						■/■	

KEY	
■	Required courses
□	Recommended courses
■ ■	Two-course sequence required
■/■	Two courses required (sequence optional)
□ □	Two-course sequence recommended

1. Lab science electives indicate that students have some flexibility in choosing which science courses to complete for admission consideration. All lab science courses must include both lecture and lab components. (Each “■” under a category represents one lecture/lab combination.) For majors without specifically required subjects, these requirements can be met with biology, chemistry, earth and atmospheric sciences, or calculus-based physics courses. Biology applicants must use a two-course biology sequence or a two-course chemistry sequence to fulfill the lab science requirements.
2. Recommended for pre-health students.
3. At most colleges, chemistry is a two-semester sequence of general chemistry lecture and lab. It is recommended that students have the equivalent of two semesters of general chemistry prior to admission at Georgia Tech. *Note: Most engineering degrees require the completion of either CHEM 1212K or 1310, or their equivalent.*
4. As an alternative to fulfilling the Calculus I and II sequence required by the majors noted in this chart, students may satisfy the requirement by enrolling in courses equivalent to the Finite Mathematics (MATH 1711 or 17X1) and Survey of Calculus (MATH 1712 or 17X2) sequence offered at Tech.