

**Chemistry: Traditional Track
BS Degree Completion Checklist**

Last Name _____ First Name: _____ GT ID # _____

Catalog Year _____ Date _____

Term of graduation _____ Departmental Approval _____

Total Semester Credit Hours Required for Graduation = 122
Total Semester Credit Hours Acquired by Student = _____

Health Science Requirement: 2 hours
HPS 1040 _____

Mathematics Requirements: 12 hours
MATH 1501 (4) _____ MATH 1502 (4) _____
or MATH 15X2 _____ + MATH 1522 _____
MATH 2401 (4) _____

-----Fall 2015 MATH-----
MATH 1551 (2) _____ MATH 1552 (4) _____
MATH 1553 (2) _____ MATH 2551 (4) _____

Physics Requirements: 8 hours
PHYS 2211 _____
PHYS 2212 _____

Computer Science Requirement: 3 hours
CS 1301, 1315 or 1371 _____
(circle one)

Lab Science Requirement: 4 hours
BIOL 1510 _____

Freshman English: 6 hours
ENGL 1101 _____
ENGL 1102 _____

Humanities: 6 hours

Social Sciences: 9 hours

Constitution/History Requirement: 3 hours

Note: Courses and electives designated with an asterisk () may be counted towards minor degrees, as appropriate.*

Major Required Courses: 38 hours
CHEM 1211K _____
CHEM 1212K _____
CHEM 2211 _____
CHEM 2311 _____
CHEM 2312 or 2313 _____
CHEM 2380 _____
CHEM 3111 _____
CHEM 3211 _____
CHEM 3380 _____
CHEM 3411 _____
CHEM 3412 _____
CHEM 3481 _____

Traditional Track Courses: 6 hours
CHEM 4694/5 or 4698/9 _____ **Research Experience**
CHEM 3511 or 4511 _____

CHEM Electives*: 6 hours

Technical Electives*: 6 hours

Free Electives*: 13 hours minimum

Approved Substitutions:
_____ for _____
_____ for _____
_____ for _____

Instructions: Please fill in **all** blanks with correct course numbers and grades. For courses taken more than one time, please record all grades received in the appropriate blanks. If you are currently taking the course or planning to take the course during your graduating term, please indicate with either “N” for Present Schedule (this term), or “L” for Final Schedule (next term, if applicable). Your “N” or “L” indicated courses must be the same as the courses recorded under sections 16& 17 of your degree petition.

Traditional Options-

AND CHEM 3511 OR 4511 OR 4512-3 hours (CHEM 3511 not allowed with CHEM 4511/4512)

AND CHEM ELECTIVES-6 hours: (*Choose from 4311, 4341, 4401, 4452, 4511, 4512, 4521, 4581, 4582, 4601, 4740, 4760, 4765, 4775, 4776, 4803, 4804*). Note CHEM 3511 is not allowed with CHEM 4511 or 4512.

AND Technical Electives-6 hours: *Choose from Any College of Science, Engineering, and/or Computing Courses 3000 level or higher or MATH 2403 or Chem 4699 max. 3 hours*

AND Core Chemistry Laboratories: The Core Chemistry Lab requirements are fulfilled with

a) CHEM 3380 (3), and

b) CHEM 3481 (2), and

c) Research Experience:

Either Undergraduate Research CHEM 4699 (3) OR

Undergraduate Internship CHEM 4695 (3).

The experience must include a comprehensive laboratory report.

If either internal or external research (CHEM 4698 or CHEM 4694) is conducted for pay rather than credit, any additional free elective (3) may be substituted to achieve the required earned hours to graduate.

COOP 4000 or INTN 4000 may be substituted, if conducted for pay rather than credit, additional free elective(s) may be substituted to achieve the required earned hours to graduate. Internships should be with verifiable chemical or biochemical organizations.

Constitution/History Requirement includees: HIST 2111, HIST 2112, POL 1101, or INTA 1200 (credit NOT allowed for POL 1101 and INTA 1200)

AND Free Electives-13 hours

Pass/Fail Status: *Only free electives may be taken on a pass/fail basis.* The maximum number of pass/fail hours permitted in an undergraduate program of study depends upon the number of semester credit hours that will be completed at Georgia Tech, as follows:

Hours included in program of study	Hours allowed on pass/fail basis
45 to 70 credit hours	3 credit hours
71 to 90 credit hours	6 credit hours
91 or more credit hours	9 credit hours