

**CHEM: Traditional Track, Research Option
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 _____
MATH 1502 _____
OR MATH 15X2 _____ + MATH 1522 _____
MATH 2401 _____

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

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

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

Biochemistry Elective: 3 hours
CHEM 3511 or 4511 _____

Research Option Courses: _____ hours*
CHEM 4698/4699 _____
CHEM 4698/4699 _____
CHEM 4698/4699 _____
LCC 4701 _____
LCC 4702 _____

CHEM Electives: 6 hours

Technical Electives: 3 hours

Free Electives: _____ hours

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.

***Note on CHEM 4698 vs. 4699**

CHEM 4698 does count toward the Research Option designation, but *it does not count toward the 122 hours required for the degree*. Additional hours of free electives will be needed if CHEM 4698 is selected in place of CHEM 4699. A minimum of nine hours of CHEM 4698/4699 over at least two semesters are required. An approved proposal and thesis must be submitted.

Chemistry Electives

CHEM 3482, 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)

Technical Electives

The Technical Elective Requirement may be fulfilled by course work in Science, Engineering, and Computing at the 3000 level or higher or MATH 2403.

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

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:

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

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