

Hartwick College - Office of Academic and Pre-Professional Advising
 Graduation Requirements Worksheet

Name: _____ Catalog Yr: _____ Department: Chemistry (B.S. Biochemistry, ACS)

Liberal Arts in Practice

First Year Seminar & 'Wick 101 Course

	<i>Completed</i>	<i>Gr/Cr</i>
First Year Seminar _____	<input type="checkbox"/>	_____
'Wick 101 _____	<input type="checkbox"/>	_____

Writing Competency* - Depending on your Writing Level, take ENGL 101 (WL1), ENGL 110 (WL2), ENGL 111 (WL2b), or any WL3 course in any department, to achieve WL4.

_____	<input type="checkbox"/>	_____
_____	<input type="checkbox"/>	_____

3 Credits in Quantitative/Formal Reasoning (QFR)

QFR Designation _____	<input type="checkbox"/>	_____
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Foreign Language**- Spanish, German and French

Language Course I _____	<input type="checkbox"/>	_____
Language Course II (If needed) _____	<input type="checkbox"/>	_____

9 Credits in Humanities- Art, Art History, English, Music, Music Education, Philosophy, Religious Studies and Theatre

EL/ILS*** Humanities course _____	<input type="checkbox"/>	_____
3 or 4 cr Humanities course _____	<input type="checkbox"/>	_____
3 or 4 cr Humanities course _____	<input type="checkbox"/>	_____

9 Credits in Physical & Life Sciences - Biology, Chemistry, Computer and Information Science, Geology, Mathematics, Nursing and Physics

1 Biology or Geology course _____	<input type="checkbox"/>	_____
1 Chemistry or Physics course _____	<input type="checkbox"/>	_____
3 or 4 cr Phys/Life Science _____	<input type="checkbox"/>	_____
Lab Component _____	<input type="checkbox"/>	_____

Note: Lab must be in a Biology, Geology, Chemistry or Physics Course

9 Credits in Social Sciences - Accounting, Finance, Anthropology, Business Admin, Economics, Education, History, Political Science, Psychology and Sociology

EL/ILS Social Science Course _____	<input type="checkbox"/>	_____
3 or 4 cr Social Science course _____	<input type="checkbox"/>	_____
3 or 4 cr Social Science course _____	<input type="checkbox"/>	_____

Note: Courses must be in at least two different departments

2 Credits in Physical Education

1 cr Physical Education course _____	<input type="checkbox"/>	_____
1 cr Physical Education course _____	<input type="checkbox"/>	_____

*Achieve Writing Level 4 either by attaining an A- or better in ENGL 110 or by taking a WL3 course and receiving the instructor's recommendation to be advanced to WL4.

** Language requirement can be fulfilled in one of four ways: two elementary courses, one elementary and an off-campus program, one elementary and culture course, or one intermediate or immersion course.

*** Courses with EL/ILS designation can be found in course offerings

Biochemistry Requirements

Core Courses in Chemistry

Students may replace CHEM 107/107L and 108/108L with CHEM 109

	<i>Completed</i>	<i>Gr/Cr</i>
_____	<input type="checkbox"/>	_____
CHEM 201/201L Organic Chemistry I w/lab	<input type="checkbox"/>	_____
CHEM 202/202L Organic Chemistry II w/lab	<input type="checkbox"/>	_____
CHEM 203/203L Analytical Chemistry w/lab	<input type="checkbox"/>	_____
CHEM 210/210L Inorganic Chemistry I w/lab	<input type="checkbox"/>	_____
CHEM 303/303L Physical Chemistry I w/lab	<input type="checkbox"/>	_____
CHEM 304/304L Physical Chemistry II w/lab	<input type="checkbox"/>	_____
CHEM 404/404L Instrumental Methods w/lab	<input type="checkbox"/>	_____

Four Courses in Biology

BIOL 101 Biology in Practice: (Topics)	<input type="checkbox"/>	_____
BIOL 202 Concepts in Biology I	<input type="checkbox"/>	_____
BIOL 202 Concepts in Biology II	<input type="checkbox"/>	_____
BIOL 312 Molecular Biology of the Cell	<input type="checkbox"/>	_____

Three Courses in Biochemistry

BIOC 405/405L Biochemistry I w/ lab	<input type="checkbox"/>	_____
BIOC 406/406L Biochemistry II w/ lab	<input type="checkbox"/>	_____
BIOC 490 Senior Thesis Research (6 credits)	<input type="checkbox"/>	_____

Two Courses in Mathematics

MATH 121 Single Variable Calculus	<input type="checkbox"/>	_____
MATH 233 Multivariable Calculus	<input type="checkbox"/>	_____

Two Courses in Physics

PHYS 201 General Physics I	<input type="checkbox"/>	_____
PHYS 202 General Physics II	<input type="checkbox"/>	_____

One Additional Course - Students must select one additional course from the following: SCIE 344; CHEM 405, 410; BIOL 300, 302, 304, 306, 313, 314, 401, 428; PHYS 265, 305, 318, 401, 402; MATH 308, 311

_____	<input type="checkbox"/>	_____
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You Should Know

MATH 121 & PHYS 201: Require Math Level 5

(students successfully completing MATH 120 may take MATH 121).

CHEM 201, 203, 210 & 303: Require passing grade in CHEM 108 or 109.

CHEM 303: Requires passing grade in MATH 233 and PHYS 141 or 202.

Contact the Chemistry Department for more information

Key Terms:

Gr: Grade Received,

Cr: Credit Received

Core Notes:

Students must complete 120 academic credits exclusive of Physical Education and achieve a 2.000 cumulative and major GPA to graduate. Liberal Arts Credits required: BA 90, BS 60. Liberal arts courses do not include Education, Computer/Information Science, Nursing or Business/Accounting.