

Hartwick College e Office of Academic and Pree Professional Advising  
 Graduation Requirements Worksheet

Name: \_\_\_\_\_ Catalog Yr: \_\_\_\_\_ Department: Chemistry (B.S. Env. Chemistry, ACS)

**Liberal Arts in Practice**

**First Year Seminar & 'Wick 101 Course**

	Completed	Gr/Cr
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

**Environmental Chemistry Requirements**

**Core Courses in Chemistry**

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

	Completed	Gr/Cr
_____	<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"/>	_____
BIOC 405 Biochemistry I (BIOC 405L optional)	<input type="checkbox"/>	_____

**Environmental Chemistry Courses**

ENCH 315/315L Environmental Chemistry w/lab	<input type="checkbox"/>	_____
ENCH 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"/>	_____

**Two Elective Courses**

Students must select two additional courses from the following:  
**BIOL 303, 308, 415, 435; GEOL 305**

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

**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.  
 BIOC 405: Requires passing grade in CHEM 202 and BIOL 202 (or the equivalent). (The BIOL 101 prerequisite for BIOL 202 is waived for Chemistry majors.)

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 2.0 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.