

College of Science
Department of Chemistry
Bachelor of Science Checksheet
 (for students graduating in Calendar Year 2010)
 Pending final approval in Spring 2008

PART 1: CURRICULUM FOR LIBERAL EDUCATION (CLE) REQUIREMENTS

(CLE requirements and approved courses are available online:

<http://www.cle.prov.vt.edu/guides/index.html>)

(credit hours in parentheses)

- I. Writing and Discourse** (Area 1: 6 credits + ViEWS)
 ENGL 1105-1106¹ Freshman English (3) _____, (3) _____
 & ViEWS requirement (*Fulfilled by courses required for degree.*)²
- II. Ideas, Cultural Traditions, and Values** (Area 2: 6 credits required) (3) _____
 (Select from approved CLE courses) (3) _____
- III. Society and Human Behavior** (Area 3: 6 credits required) (3) _____
 (Select from approved CLE courses) (3) _____
- IV. Scientific Reasoning and Discovery** (Area 4)³
Fulfilled by courses required for degree.
- V. Quantitative and Symbolic Reasoning** (Area 5)⁴
Fulfilled by courses required for degree.
- VI. Creativity and Aesthetic Experience** (Area 6: 3 credits required) (3) _____
 (Select from approved CLE courses; must be a three-credit course.)
- VII. Critical Issues in a Global Context** (Area 7: 3 credits required) (3) _____
 (Select from approved CLE courses)

PART 1: (CLE) credit hour requirement:

24 credits

PART 2: COLLEGE AND DEPARTMENT REQUIREMENTS

- I. Chemistry Courses** (46 credits)
- CHEM 1055-1056¹ General Chemistry for Majors (4) _____, (4) _____
 CHEM 1065-1066¹ General Chemistry for Majors lab (1) _____, (1) _____
 CHEM 2154¹ Analytical Chemistry for Majors (4) _____
 CHEM 2164¹ Analytical Chemistry for Majors lab (1) _____
 CHEM 2424 Descriptive Inorganic Chemistry (3) _____
 CHEM 2565-2566¹ Principles of Organic Chemistry (3) _____, (3) _____
 CHEM 2555¹-2556 Organic Syn-Tech lab (2) _____, (2) _____
 CHEM 3615-3616 Physical Chemistry (3) _____, (3) _____
 CHEM 3625-3626² Physical Chemistry lab (1) _____, (1) _____
 CHEM 4014² Survey of Chemical Literature (1) _____
 CHEM 4114 Instrumental Analysis (3) _____
 CHEM 4124 Instrumental Analysis Lab (1) _____
 CHEM 4404 Physical Inorganic Chemistry (3) _____
 CHEM 4414 Inorganic Synthesis & Techniques lab (2) _____
- II. Mathematics Courses** (16 credits)
- MATH 1114¹ Elementary Linear Algebra (2) _____
 MATH 1224¹ Vector Geometry (2) _____
 MATH 1205-1206¹ Calculus (3) _____, (3) _____
 MATH 2214 Introduction to Differential Equations (3) _____
 MATH 2224¹ Multivariable Calculus (3) _____

