

A.S. CHEMISTRY

DEPARTMENT: Physical Sciences

TOTAL CREDITS: 60—64

Requirements for Matriculants

COLLEGE REQUIREMENTS

- Successful completion of CUNY Tests in Reading and Writing and the COMPASS Math Skills Test with passing examination scores, unless otherwise exempt, or developmental courses may be required.
- One (1) Writing Intensive course in any discipline from any category below is required. Participation in a Learning Community that includes ENG 1200 or 2400 also satisfies this requirement.
- Two (2) Civic Engagement experiences—satisfied by CE-Certified or CE-Component courses or approved outside activity. See *Graduation Requirements* in this catalog.

CUNY CORE

Courses approved at the time of this catalog's publication for CUNY Flexible Core, Groups A-D, are listed in the *General Education: CUNY Pathways* section on page 43, and identified in the Course section, beginning on page 99.

REQUIRED CORE

ENG 1200.....	3 credits
ENG 2400.....	3
Mathematical & Quantitative Reasoning:	4
MAT 1500⁺ or MAT 1600	
Life and Physical Sciences:	4
CHM 1100 or CHM 1200 or	
PHY 1300 or PHY 1400	

FLEXIBLE CORE ♦

One course from each Group A – E plus an additional course from Group E. **No more than two courses in the same discipline.**

- World Cultures and Global Issues
- U.S. Experience in its Diversity
- Creative Expression
- Individual and Society
- Scientific World: **MAT 1500⁺ or MAT 1600 or CHM 1100 or CHM 1200 or PHY 1300 or PHY 1400** (if not taken for the Required Core)

Plus another course selected from Group E list above (if not taken for Required or Flexible Core)

DEGREE REQUIREMENTS §

If not taken for the CUNY Required Core or Flexible Core, the following are required:

Calculus I <u>and</u> II (MAT 1500 and MAT1600) ⁺	8 credits
General Chemistry I <u>and</u> II (CHM 1100 and CHM1200)	8
Organic Chemistry I <u>and</u> II (CHM 3100 and 3200)	10
Advanced General Physics I <u>and</u> II (PHY 1300 and PHY 1400)	8

ELECTIVES: 8 credits sufficient to meet required total of 60 credits.

+ COMPASS scores of 35 on Part I, 55 on Part II, 60 on Part III and 51 on Part V or pre-requisite courses required.

♦ This program has a waiver to require particular courses in the Common Core, otherwise more than the minimum credits for the degree may be necessary.

§ Consultation with the Department Advisor is required.

