

A.S. PHYSICS

DEPARTMENT: Physical Sciences

TOTAL CREDITS: 60

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
<i>MAT 1500⁺ or MAT 1600</i>	
Life and Physical Sciences	4
<i>CHM 1100 or CHM 1200 or PHY 1300 or PHY 1400 or EPS 3300 or EPS 3500 or EPS 3600</i>	

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.** Courses that satisfy each group are listed in the *Programs and Course Requirements* section of this catalog.

- A. World Cultures and Global Issues
- B. U.S. Experience in its Diversity
- C. Creative Expression
- D. Individual and Society
- E. Scientific World
*MAT 1500⁺ or MAT 1600 or CHM 1100 or
CHM 1200 or PHY 1300 or PHY 1400 or
EPS 3300 or EPS 3500 or EPS 3600
(if not taken for 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 MAT 1600) ⁺	8 credits
General Chemistry I <u>and</u> II (CHM 1100 and CHM 1200)	8
Advanced General Physics I <u>and</u> II (PHY 1300 and PHY 1400)	8
Advanced Electives, choose:	8 – 11
<i>Either MAT 5500 or MAT 5600 (choose only one) or Either EGR 2200 or EGR 2300 (choose only one) or Either EPS 3300 or EPS 3500 or EPS 3600 (choose only one) or PHY 81xx</i>	

ELECTIVES: 7–10 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.