This 4-year academic plan is for freshmen entering Queens College in Fall 2021. Our 4-year academic plans are illustrative examples of integrated degree requirements and course sequencing for each of the College’s programs of study which are designed to ensure degree completion in a timely manner. Students are advised to meet with professional and faculty advisors to tailor their degree maps to their individual interests (academic and career goals), as well as other considerations including course offerings and the incorporation of winter and summer sessions. Course pre-requisite/s and co-requisite/s are strictly enforced, as are entrance and maintenance criteria (if applicable) for the successful completion of the degree.
Freshman

**FALL**
- English Composition I (EC1) 3 credits
- MATH 151 (MQR) 4 credits
- Calculus I 3 credits
- World Cultures & Global Issues (WCGI) 3 credits
- U.S Experience in its Diversity (USED) 3 credits
- Creative Expression (CE) 3 credits

**SPRING**
- English Composition II (EC2) 3 credits
- PHYS 1454 & 1451 (LPS) 5 credits
- Principles of Physics I 3 credits
- MATH 152 4 credits
- Calculus II 3 credits
- Individual and Society (IS) 3 credits

**Fall total credits** 16 credits
**Spring total credits** 15 credits

Sophomore

**FALL**
- PHYS 1464 & 1461 (SCI) 5 credits
- Principles of Physics II 3 credits
- MATH 201 4 credits
- Calculus III 3 credits
- An Additional Flexible Core 3 credits
- General elective 3 credits

**SPRING**
- Scientific World (SW) 3 credits
- College Option Literature (LIT + W) 3 credits
- College Option Language (LANG) 4 credits
- ASTR 2 (SCI) 4 credits
- General Astronomy with Laboratory 1 cr
- General elective

**Fall total credits** 15 credits
**Spring total credits** 15 credits

General Education requirements may be taken in any order if the pre-requisite requirement(s) is/are satisfied.

*If a Literature course is taken with a W, it will count towards Literature and one Writing Intensive Unit.

Completion of 21 credits in major with 2.75 GPA or higher
3.0 GPA in SEYS courses required to continue in program
# Four Year Academic Plan

## Junior

### FALL
- PHYS 233.1: Mathematical Methods I (1 credit)
- PHY 260: Modern Physics (4 credits)
- PHYS 242: Thermodynamics (3 credits)
- PHYS 220W: Current Issues in Physics (2 credits)
- SEYS 201W (W): Historical, Social, and Philosophical Foundations of Education (3 credits)
- SEYS 221: Development and Learning in Middle Child and Adolescence (3 credits)

**Total credits:** 16

### SPRING
- PHYS 235: Classical Physics LAB (2 credits)
- PHYS 225: Solid State Physics (4 credits)
- SEYS 340: Language, Literacy, & Culture in Education (3 credits)
- SEYS 362: Methods in Teaching Science in Middle & High School (3 credits)
- ECPSE 350: Foundations of Special Education (3 credits)

**Total credits:** 15

## Senior

### FALL
- PHYS 222: Optics (3 credits)
- PHYS 237: Mechanics (4 credits)
- SEYS 372.2: Student Teaching Initial Clinical Experience in Science for Secondary School (3 credits)
- SEYS 382: Curriculum and Assessment in Teaching Science (3 credits)
- SEYS 350: Cognition, Technology & Instruction For Diverse Learners (3 credits)

**Total credits:** 16

### SPRING
- PHYS Elective: 200 or above (6 credits)
- SEYS 372.4: Student Teaching Clinical Experience in Science for Secondary School (3 credits)
- General electives*: 6 credits

**Total credits:** 15

---

*General Electives: Students may complete general electives by taking courses in (most) department/s or programs they choose; however, depending on the course/program, students may need department permission and/or prerequisite course/s. Electives may be used to supplement the chosen major (an English major may want to take a course in French or Italian literature) or to fulfill interest in a different area (a Music major may be interested in the physics of sound). Students are encouraged to use available electives to complete a dual major, minor, pre-requisites for graduate or professional school, or complete and internship, experiential learning and/or study abroad. Students are encouraged to use their available general electives wisely and focus on coursework that will assist them personally, academically and professionally.