

| Major: | | | Math & Physics | | | NYU Website: | | |
|-----------------------|---|---------|-----------------------|--|---------|-----------------|-------------|---------|
| Freshman Year | | | | | | | | |
| Fall Semester | | | Spring Semester | | | Summer Semester | | |
| Course No. | Course Name | Credits | Course No. | Course Name | Credits | Course No. | Course Name | Credits |
| PH-UY 1002 | Physics: The Genesis of Technology | 2 | PH-UY 1013 | Mechanics | 3 | | | |
| MA-UY 1024 | Calculus I for Engineers | 4 | MA-UY 1124 | Calculus II | 4 | | | |
| CM-UY 1004 | General Chemistry for Engineers | 4 | CS-UY 1114 | Intro to Programming & Problem Solving | 4 | | | |
| EXPOS-UA 1 | Writing the Essay | 4 | EXPOS-UA 2 | The Advanced College Essay | 4 | | | |
| EG-UY 1001 | Engineering & Technology Forum | 1 | | | | | | |
| Total Credits | | 15 | Total Credits | | 15 | Total Credits | | |
| Sophomore Year | | | | | | | | |
| Fall Semester | | | Spring Semester | | | Summer Semester | | |
| Course No. | Course Name | Credits | Course No. | Course Name | Credits | Course No. | Course Name | Credits |
| PH-UY 2121 | General Physics Lab I | 1 | PH-UY 2131 | General Physics Lab II | 1 | | | |
| PH-UY 2023 | Electricity, Magnetism & Fluids | 3 | PH-UY 2033 | Waves, Optics & Thermodynamics | 3 | | | |
| PH-UY 2104 | Analytical Mechanics | 4 | MA-UY 2114 | Calculus III: Multi-Dimensional Calculus | 4 | | | |
| MA-UY 2034 | Linear Algebra & Differential Equations | 4 | | Humanities & Social Sciences Elective | 4 | | | |
| | Humanities & Social Sciences Elective | 4 | MA 2/3/4**4 | Math Elective | 4 | | | |
| Total Credits | | 16 | Total Credits | | 16 | Total Credits | | |
| Junior Year | | | | | | | | |
| Fall Semester - NYUAD | | | Spring Semester - NYU | | | Summer Semester | | |
| Course No. | Course Name | Credits | Course No. | Course Name | Credits | Course No. | Course Name | Credits |
| PHYS-UH 3011 | Electricity & Magnetism | 4 | PH-UY 3002 | Junior Physics Lab | 2 | | | |
| PHYS-UH 3013 | Adv. Physics Lab | 4 | PH-UY 2344 * | Intro to Modern & Solid State Physics | 4 | | | |
| MATH-UH 2011 Q | Probability & Statistics | 4 | | * This course can be taken whenever possible after sophomore fall. | | | | |
| | Humanities & Social Sciences Elective | 4 | MA 3/4**4 | Math Elective | 4 | | | |
| | | | | Humanities & Social Sciences Elective | 4 | | | |
| Total Credits | | 16 | Total Credits | | 14 | Total Credits | | |
| Senior Year | | | | | | | | |
| Fall Semester | | | Spring Semester | | | Summer Semester | | |
| Course No. | Course Name | Credits | Course No. | Course Name | Credits | Course No. | Course Name | Credits |
| PH-UY 4364 | Intro to the Quantum Theory | 4 | PH-UY 4124 | Thermodynamics & Statistical Physics | 4 | | | |
| PH-UY 4902 | Intro to Senior Project in Physics | 2 | PH-UY 4904 | Senior Project in Physics | 4 | | | |
| | OR | | | OR | | | | |
| MA3/4**2 | Math Elective | 2 | MA-UY 3914 | Senior Project | 4 | | | |
| PH-UY 4912 | Senior Seminar in Physics | 2 | MA 3/4**3 | Math Elective | 3 | | | |
| | OR | | MA-UY 4424 | Introductory Numerical Analysis | 4 | | | |
| MA3/4**2 | Math Elective | 2 | | Free Elective | 3 | | | |
| MA-UY 4413 | Applied Partial Differential Equations | 3 | | | | | | |
| PH 3/4/5**3 | PH Elective | 3 | | | | | | |
| | Free Elective | 3 | | | | | | |
| Total Credits | | 17 | Total Credits | | 18 | Total Credits | | |