Students must also complete the Undergraduate Registration Requirement (https://catalogs.northwestern.edu/undergraduate/requirements-policies/undergraduate-registration-requirement/) and the degree requirements of their home school.

The Integrated Science Program is a highly selective BA program in Weinberg College that includes the following as part of its curriculum:

### Course Title

- PHYSICS 125-1 and PHYSICS 125-2: General Physics ISP and General Physics for ISP
- PHYSICS 126-1 and PHYSICS 126-2: and Physics for ISP Laboratory
- PHYSICS 126-3: and Physics for ISP Laboratory
- PHYSICS 339-1 and PHYSICS 339-2: Quantum Mechanics
- PHYSICS 339-3: Particle and Nuclear Physics
- PHYSICS 333-1 and PHYSICS 333-2: Advanced Electricity & Magnetism
- PHYSICS 337-0: Physics of Condensed Matter
- ASTRON 331-0: Astrophysics ISP

Application to this program is made directly to ISP.

It is possible to complete a double major in physics and ISP by completing the following 6 additional upper-level courses:

### Course Title

- PHYSICS 333-1 and PHYSICS 333-2: Advanced Electricity & Magnetism
- ASTRON 321-0: Observational Astrophysics
- PHYSICS 357-0: Optics Laboratory
- PHYSICS 359-0: Electronics
- PHYSICS 360-0: Advanced Physics Laboratory

Plus 3 courses chosen from 300-level physics or astronomy courses other than:

- PHYSICS 311-1 and PHYSICS 311-2: Mathematical Tools for the Physical Sciences
- PHYSICS 312-0: Scalar and Vector Field Methods in Physics
- PHYSICS 398-0: Independent Thesis Research
- PHYSICS 399-0: Independent Study
- ASTRON 398-0: Honors Independent Study
- ASTRON 399-0: Independent Study

And other than those required by ISP:

- PHYSICS 339-1 and PHYSICS 339-2: Quantum Mechanics
- PHYSICS 339-3: Particle and Nuclear Physics
- ASTRON 331-0: Astrophysics ISP

- Students pursuing an ISP/physics double major may not substitute INTG_SCI 398-0 for any physics or math course in the ISP curriculum. They do not have to choose a physics course concentration.

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### Honors in Physics and Astronomy

Majors with strong records in their physics, astronomy, and mathematic courses and an interest in pursuing honors should notify the director of undergraduate studies in October of senior year. Eligible students must enroll for 2 units of PHYSICS 398-0 Independent Thesis Research or PHYSICS 399-0 Independent Study by the time of graduation. They participate in research culminating in a written report.

Students whose research reports and grades meet department criteria are recommended to the college for graduation with honors. For more information consult the director of undergraduate studies and see Honors in the Major (https://catalogs.northwestern.edu/undergraduate/arts-sciences/#academicoptionstext).