

## Physics Honors Program (B.S.)

The honors program is designed to provide well-qualified students with an exceptionally strong foundation in physics, both by encouraging excellence in course work and recognizing the importance of early participation in research. It is strongly recommended that students intending to enroll in graduate school pursue this option. The key component of the honors program is involvement of the student in an independent research project, typically carried out under the supervision of a faculty member. This work must culminate in the writing of an honors thesis before the end of the senior year. An oral presentation describing the work would also be expected.

In addition to fulfilling the requirements associated with the B.S. degree, students in the honors program would also be expected to complete most of the course work listed under "Recommendations" for this degree; in particular, at least two of the three courses P332, P442 and P454 must be completed. Students intending to graduate with honors are strongly recommended to complete the honors sections of P221/222. To graduate with honors, students should maintain a minimum grade point average of 3.5 in all physics course work. Further information regarding this program may be obtained from the department.

### *Guidelines for Physics Department's Undergraduate Senior Thesis*

The Senior Thesis represents a written documentation of the independent research project performed by the student. Students should take advantage of the list of faculty willing to supervise undergraduate research. Requirements for this documentation are flexible, i.e., it can be composed a "stand-alone" description of the project and its results, of a note or collection of technical notes authored by the student in the research group, and in the best situation, a copy of the publication or manuscript draft intended for submission for publication.

Other requirements:

- Be signed-off by a university faculty member, usually a Physics faculty member who is the supervisor of the research, and co-signed by a second Physics faculty member. Students are expected to have arranged these two contact faculty members and to have met with them by the fall of their senior year.
- Three copies, to be presented in a bound form including a cover page following the format of the following page. One copy to each faculty signer and a copy turned in to the Undergraduate Academic Services Office, SW132.
- Completed and signed by a deadline of three weeks before the end of their senior spring semester.

The signing faculty members will then convey a copy of the thesis to the Undergraduate Curriculum Committee who, in consultation with the signing members and the student, will arrange the scheduling of an oral presentation of the thesis to a group of other honors candidates and faculty members before the end of the classes.

A  
THESIS  
SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE HONORS DEGREE OF  
BACHELOR OF SCIENCE IN PHYSICS

**Title**

**Author**

DEPARTMENT OF PHYSICS  
INDIANA UNIVERSITY

Date

Supervisor:

\_\_\_\_\_

Signature

Typed Name:

Co-signer:

\_\_\_\_\_

Signature

Typed Name: