



Office of Academic Advising  
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 www.advising.jhu.edu

Degree Audit Checklist:  
**Physics Major (B.A.)**

Expected graduation date: \_\_ May \_\_ January Year: \_\_\_\_\_

Name: \_\_\_\_\_ Hopkins ID: \_\_\_\_\_  
 Last Name First Name MI

Email address: \_\_\_\_\_ Phone#: \_\_\_\_\_

Additional major or minor: \_\_\_\_\_

**Instructions:** This form indicates which departmental and university requirements you have completed and which you must complete before graduation. If you have any questions, speak to your faculty advisor about department requirements, or to an academic advisor about other requirements.

**Special Notes for Juniors:**

This form is used to determine your eligibility for graduation and must be completed and filed with the Office of Academic Advising in the spring of your junior year.

1. Complete this form and have it approved and signed by your faculty advisor in the spring of your junior year. After this, make an appointment in the Office of Academic Advising and bring this form and a copy of your transcript to the advisor clearing for your major.
2. This form must be filled out **completely** and **neatly**, including course title and number as listed on transcript.
3. When noting that a course has been completed, please write in the grade you earned in that course under the column "Completed."
4. If you have completed the checklist with an advisor in the Office of Academic Advising and you make a change in a required course you intended to take you must notify the advisor of that change.

Course No. and Title	Completed	In Progress	To be Done
<b>Physics and Astronomy Courses</b>			
Year 1:			
171.105 Intro to Classical Physics I	_____	_____	_____
173.115 Classical Physics Laboratory I	_____	_____	_____
171.106 Intro to Classical Physics II	_____	_____	_____
173.116 Classical Physics Laboratory II	_____	_____	_____

**\*Note:** 171.101-102 or 171.103-104 are acceptable in place of 171.105-106

Course No. and Title	Completed	In Progress	To be Done
Year 2:			
171.201 Special Relativity and Waves (fall term)	_____	_____	_____
or			
171.209 Wave Phenomena w/ Biophysical Application (fall term)	_____	_____	_____
and			
171.207 Special Relativity (fall term)	_____	_____	_____

Year 2 cont'd:

172.203 Contemporary Physics Seminar (fall term)	_____	_____	_____
171.202 Modern Physics (spring term)			
or			
171.210 Biological Physics (spring term)	_____	_____	_____
171.204 Classical Mechanics (spring term)	_____	_____	_____

Years 3 and 4:

171.301 Intro to Electromagnetic Theory I (fall term, year 3)	_____	_____	_____
171.303 Intro to Quantum Mechanics I (fall term, year 3)	_____	_____	_____
171.304 Intro to Quantum Mechanics II			
or			
171.312 Statistical Physics and Thermodynamics	_____	_____	_____
173.308/209 Advanced Physics Laboratory	_____	_____	_____

#### Mathematics Courses

110.108 Calculus I (year 1)	_____	_____	_____
110.109 Calculus II (year 1)	_____	_____	_____
110.202/211 Calculus III (year 2)	_____	_____	_____
110.201/212 Linear Algebra (year 2)	_____	_____	_____
110.302 Differential Equations with Applications	_____	_____	_____

#### Electives

Two additional courses (at least 3 credits each) at the 300 - 600 level in the department of Physics and Astronomy or approved physics-related courses in other departments. Students who intend to continue physics in graduate school are strongly encouraged to take these courses in Physics and Astronomy, and take 171.302 and both 171.304 and 171.312.

_____	_____	_____	_____
_____	_____	_____	_____

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#### Recommendations

An additional two semesters of mathematics are recommended, either 171.305-306 or 110.311 and one other. It is recommended that physics majors become proficient in a computer programming language, such as FORTRAN or C, either independently or through course work. Students are encouraged to broaden their background by taking introductory courses in other Natural Science or Engineering disciplines, such as Introductory Chemistry (030.101-102).

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**Other Departmental Requirements:**

A grade of C- or higher is required for a course to be counted towards major requirements. This includes required math courses. An exception for a single course taken in the year before graduation may be granted by the Director of Undergraduate Studies when there are extenuating circumstances.

Please initial here to indicate you have read and understand these requirements: \_\_\_\_\_

**Honors in Your Major**

To graduate with honors in your major, you must complete an HONORS CLEARANCE CHECKLIST by April 1<sup>st</sup> in the year you expect to graduate in May. Most commonly, this means by April 1<sup>st</sup> of your senior year. Failure to submit this checklist by this date will mean that you will not receive honors in your major. You cannot complete the checklist before February 1<sup>st</sup> of the same year. Please note that these requirements are not related to "General University Honors." General University Honors are automatically assigned to all students who graduate with a 3.5 or higher.

To receive Honors in Physics, you must have met the following criteria:

- Have a GPA in your major requirements of a 3.5 or higher.

To notify us that you are eligible for honors, you must:

1. Obtain an honors checklist by either downloading it from [www.advising.jhu.edu](http://www.advising.jhu.edu) or by picking one up in the Office of Academic Advising.
2. Complete the checklist after February 1<sup>st</sup> of your senior year and take it to the Director of Undergraduate Studies.
3. Return the signed checklist to the Office of Academic Advising by April 1<sup>st</sup>. You do not need to make an appointment to return the checklist, but it must be signed by the correct representative from your department or it will not be processed.

**Distribution Requirements for Majors:**

Course No. and Title	Credits	Completed	In Progress	To be Done
12 credits of S, H, Q and/or E				
110.108 Calculus I (or equivalent)		_____	_____	_____
110.109 Calculus II (or equivalent)		_____	_____	_____
110.202 Calculus III (or equivalent)		_____	_____	_____
18 additional credits of S and/or H				
_____		_____	_____	_____
_____		_____	_____	_____
_____		_____	_____	_____
_____		_____	_____	_____
_____		_____	_____	_____
_____		_____	_____	_____

**University Requirements:**

120 total credits	_____	_____	_____
60 credits at Johns Hopkins	_____	_____	_____
4 semesters at Johns Hopkins	_____	_____	_____
4 writing intensive courses (12 credits)	_____	_____	_____
No more than 18 D credits	_____	_____	_____
No more than 5 Carey Business School and School of Education courses	_____	_____	_____
C average or better in your major	_____	_____	_____
No more than 12 transfer credits	_____	_____	_____

**HOW MANY SEMESTERS WILL YOU HAVE COMPLETED AT TIME OF GRADUATION?** \_\_\_\_\_

Language Elements Courses: Students who take the first semester of an elementary language course in French, German, Greek, Italian, Latin, Modern Hebrew, Portuguese or Spanish must complete the second semester course as well or lose the credit for the first term.

**FOR JUNIORS ONLY:**

Student's Statement:

I have reviewed my progress toward meeting the graduation requirements for my major. I understand which requirements have been completed and which remain to be completed, including those that are in progress, if any. **I agree to notify the Office of Academic Advising if I make any changes to my plan of study.**

\_\_\_\_\_  
*Student's Signature*

\_\_\_\_\_  
*Date*

Advisor's Statement:

I have reviewed progress toward meeting the graduation requirements for the major with the student. We have marked which requirements have been completed and which remain to be completed, including those that are in progress, if any. **I have indicated by initialing or submitting a supporting memo any exceptions to departmental requirements that have been approved for this particular student.**

\_\_\_\_\_  
*Faculty Advisor's Name*

\_\_\_\_\_  
*Signature*

\_\_\_\_\_  
*Date*

\_\_\_\_\_  
*Academic Advisor's Name*

\_\_\_\_\_  
*Signature*

\_\_\_\_\_  
*Date*