

Physics 122 Course Credits by Examination Criteria

Computer Engineering (CE) and Electrical Engineering (EE) programs offered by the ECE department require PHYS 122 as the Physics 2 course. Students who have taken only PHYS 121 or did not pass Phys 122 are offered an opportunity to obtain the required course credits by examination. This examination will be given in mid- August, after the Summer 2 session. The exam will be a comprehensive exam equivalent to the Final. Exams will be 2.5 hrs. in duration and in person, on campus.

Students who can take the exam for PHYS 122 Credit:

- Students who have failed PHYS 122 (D or F Grade)
- Students who have taken only PHYS 121 (with a grade of C or better)
- Students who were admitted to NJIT before taking a PHYS 2 course and later have taken the Physics 121 equivalent and transferred it into NJIT

Students who do not have to take the PHYS 122 Exam:

- Transfer students who were admitted to NJIT from a community college after passing their PHYS 121 equivalent course, which was transferred at the time of admission.
- Students who have passed (with a grade of C or better) a physics course equivalent to PHYS 122 (not Physics 121) at another university. The course equivalency will be determined on a case-by-case basis by the PHYS 122 instructor, based on an assessment of the course exams, homework, course textbook, and course syllabus.

Information for students taking the PHYS 122 Exam

A PHYS 122 course syllabus, with a list of the course recitation assignments, can be obtained from [Prof. Andrew Gerrard](#) or [Prof. James \(Changshi\) Zhou](#).

PHYS 122

CREDIT BY EXAMINATION PROCEDURES

PHYSICS DEPARTMENT

*Students **MUST** meet the PHYS 122 credit by examination criteria on the first page.*

Procedures

1. Complete the 'NJIT Credit By Exam Request Form' at the following link: <https://generalssb-prod.ec.njit.edu/BannerExtensibility/customPage/page/stuCreditByExam>
Once approved, the Physics Department will arrange a date and time for the student to take the exam
2. A \$50.00 fee will be applied to your student account. The Office of the Registrar will process the credits for students with passing grades. The credits will appear on your NJIT academic transcript similar to transfer credit, which will not affect the Grade Point Average (GPA).
3. Exams will be 2.5 hours in duration. Exams will be on campus, in person unless otherwise instructed.
4. The Physics credit by exam does **not** include the lab component (example: PHYS 121A). The lab can be taken over the Summer/Spring or Fall semester. Students may require a permit to take the lab. Students can apply for a permit at: <https://physics.njit.edu/permits>