

**LEHMAN COLLEGE  
OF THE  
CITY UNIVERSITY OF NEW YORK**

**DEPARTMENT OF PHYSICS AND ASTRONOMY**

**CURRICULUM CHANGE**

Name of Program and Degree Award: Pre-Engineering Transfer Program

Hegis Number:

Program Code:

Effective Term: Fall 2015

1. **Type of Change:** Change of program description for the undergraduate bulletin

2. **From:**

Lehman College offers a Pre-engineering Transfer Program, administered by the Department of Physics and Astronomy. Students study at Lehman for two years before transferring to the School of Engineering at City College. (For more information, consult the pre-engineering adviser in Gillet Hall, Room 131.)

The only complete engineering program in CUNY is at City College. Students at Lehman College can transfer to the School of Engineering at City College after completing twenty-four credits, including two semesters of calculus and one semester of either physics or chemistry. Although a well-prepared student can complete these requirements in two semesters, it is strongly recommended that a student entering this program should plan to spend three semesters at Lehman College, taking the following courses:

- ~~English. Courses required to meet the degree requirements in English composition, as explained under "Degree Requirements" later on in this chapter of the Bulletin.~~
- ~~Speech. COM 100 (Fundamentals of Oral Communication).~~
- Mathematics. MAT 175-176 (Calculus I and II) and MAT 226 (Intermediate Calculus-I).
- Physics. PHY 168-169 (Introductory Physics I and II).
- Chemistry. CHE 166-167 and 168-169 (General Chemistry—Lectures and Labs—I and II).

3. **To:**

**Pre-Engineering Transfer Program**

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The only complete engineering program in CUNY is at City College. Students at Lehman College can transfer to the School of Engineering at City College after completing twenty-four credits, including two semesters of calculus and one semester of either physics or chemistry. Although a well-prepared student can complete these requirements in two semesters, it is strongly recommended that a student entering this program should plan to spend three semesters at Lehman College, taking the following courses:

- English. ENG 111 and ENG 121 (English Composition I and II).
- Mathematics. MAT 175-176 (Calculus I and II) and MAT 226 (Vector Calculus).
- Physics. PHY 168-169 (Physics for Scientists and Engineers I and II).
- Chemistry. CHE 166-167 and 168-169 (General Chemistry—Lectures and Labs—I and II).

**4. Rationale (Explain how this change will impact learning outcomes of the department and Major/Program):**

This updates the description of the Pre-engineering Transfer Program to reflect the new CUNY gen ed requirements. It also reflects recent changes in title (no change in content) for MAT 226, PHY 168 and PHY 169.

**5. Date of departmental approval: 9/16/2015**

**LEHMAN COLLEGE  
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**DEPARTMENT OF PHYSICS AND ASTRONOMY**

**CURRICULUM CHANGE**

Name of Program and Degree Award: Department of Physics and Astronomy

Hegis Number:

Program Code:

Effective Term: Fall 2015

1. **Type of Change:** Change of program description for the undergraduate bulletin

2. **From:**

The Department of Physics and Astronomy prepares students for positions in government and industry and for graduate study in physics and related fields. Students in the Department may choose either a ~~36~~-credit major leading to a B.A. degree or a ~~54~~-credit major leading to a B.S. degree. The Department also offers a variety of basic courses designed for general education and for students in other departments, and cooperates with the Department of Middle and High School Education in preparing students to teach physics in secondary schools.

The Department of Physics and Astronomy also administers the Pre-engineering Transfer Program. See the description of the requirements for this program earlier in this Bulletin, in the chapter entitled "Baccalaureate Programs."

3. **To:**

The Department of Physics and Astronomy prepares students for positions in government and industry and for graduate study in physics and related fields. Students in the Department may choose either a 38-credit major leading to a B.A. degree or a 60-credit major leading to a B.S. degree. The Department also offers a variety of basic courses designed for general education and for students in other departments, and cooperates with the Department of Middle and High School Education in preparing students to teach physics in secondary schools.

The Department of Physics and Astronomy also administers the Pre-engineering Transfer Program. See the description of the requirements for this program earlier in this Bulletin, in the chapter entitled "Baccalaureate Programs."

4. **Rationale (Explain how this change will impact learning outcomes of the department and Major/Program):**

An update to the bulletin, to reflect the new degree requirements that were implemented effective Fall 2015.

5. **Date of departmental approval:** 9/16/2015