

**Hawks to Huskies Engineering Program (HHEP)**  
**A Guaranteed Admissions Transfer Program**

**William Rainey Harper College**  
**&**  
**College of Engineering and Engineering Technology**  
**Northern Illinois University**

William Rainey Harper College (“Harper College” or “Harper”) and the College of Engineering and Engineering Technology at Northern Illinois University (CEET-NIU) form a cooperative relationship through the Hawks to Huskies Engineering Program to better serve our students and public constituents, facilitate transfer, minimize duplication of instruction, and build on community college and university learning experiences. The HHEP agreement offers Harper students a pathway to guaranteed admission to the College of Engineering and Engineering Technology at Northern Illinois University (NIU). HHEP students must meet all of the requirements outlined in this agreement to be guaranteed admission.

**HHEP REQUIREMENTS**

**ACADEMIC REQUIREMENTS:**

- A. As part of this agreement, Harper students must complete the courses listed below (under “Required Courses”) in order to be admitted to their department of choice in the College of Engineering and Engineering Technology at NIU.
- B. Students must earn a minimum cumulative 2.75 GPA in all courses taken at Harper.
- C. Students must complete all requirements within 3 years of the date of initial enrollment in order to be bound by the guarantee of admission in this agreement.
- D. Students are required to submit an application of intent to participate in the program no later than the end of their first year at Harper College.
- E. It is recommended that students use these required courses to complete an Associate in Engineering Science (AES) degree. However, completion of the degree is not a requirement for transfer under the terms of this agreement. Additionally, students who transfer before completing the AES degree may be eligible to receive their AES degree after transferring to NIU through a program designed to retroactively identify Harper degree completers. See *Memorandum* for details.

**REQUIRED COURSES:** Students are required to complete the following Harper courses to be eligible for the HHEP agreement.

A. For all engineering majors (Biomedical Engineering, Electrical Engineering, Industrial and Systems Engineering, Mechanical Engineering, and Mechatronics Engineering):

1. ENG 101 and 102 – Composition I
2. SPE 101 – Speech Communications
3. MTH 200– Calculus I
4. MTH 201– Calculus II
5. MTH 202 – Calculus III
6. MTH 212 – Differential Equations
7. PHY 201– Mechanics
8. PHY 202 – Electricity & Magnetism
9. CHM 121 – Chemistry I
10. CSC 121 – Computer Science I
11. EGR 100 – Introduction to Engineering
12. EGR 210 – Analytical Mechanics-Statics
13. EGR 211 – Analytical Mechanics-Dynamics

B. In addition, for intended majors in Biomedical Engineering:

1. BIO 115 – Cellular Biology
2. CHM 122 – Chemistry II
3. EGR 265 – Circuit Analysis

C. In addition, for intended majors in Electrical Engineering:

1. PHY 203 – Thermal and Quantum Physics
2. EGR 265 – Circuit Analysis

D. In addition, for intended majors in Industrial and Systems Engineering:

1. ECO 211 or 212 – Economics
2. EGR 120 – Engineering Graphics
3. EGR 265 – Circuit Analysis

E. In addition, for intended majors in Mechanical Engineering:

1. EGR 120 – Engineering Graphics
2. EGR 212 – Mechanics of Solids
3. EGR 240 – Thermodynamics
4. EGR 265 – Circuit Analysis

F. In addition, for intended majors in Mechatronics Engineering:

1. EGR 120 – Engineering Graphics
2. EGR 212 – Mechanics of Solids
3. EGR 265 – Circuit Analysis
4. ELT 110 – Introductory Electronics
5. ELT 203 – Digital Electronics

G. Advanced Placement (AP) credit shall be awarded for courses according to guidelines specified by NIU. (Current guidelines are available on the NIU website.)

### **ADVISING REQUIREMENTS:**

- A. Harper will assign each HHEP student an advisor to work with until his/her transfer to the NIU. The HHEP advisor will assist students with course selection, registration, and provide students with information regarding admissions policies to the CEET under the terms of this agreement.
- B. In the spirit of this agreement, Harper advisors will work closely with NIU advisors on a regular basis to maximize productive advising.
- C. NIU advisors will provide regular advising to HHEP students on academics and admission policies. NIU advisors will also work with Harper advisors to find ways to engage students in engineering.

### **PROMOTION AND RECRUITING:**


NIU and Harper will collaborate to promote the program and to recruit potential students through various activities.

- A. Harper activities may include Information Sessions (minimum of 5 per year) with programming for prospective students and their parents describing engineering at Harper College highlighting the HHEP; Explore Engineering at Harper-an annual event open to all prospective students at which NIU is a featured partner institution; high school visits and admissions outreach; Harper Open Houses; and other sponsored events.
- B. NIU activities may include marketing materials including print, online and student promotional items; hosting campus events giving prospective students the opportunity to experience the NIU campus; incentives in the form of access to student clubs, career fairs, or summer experiences; and other potential activities to be determined. Future incentives may also include scholarships for high-performing students and undergraduate research opportunities (REU's).

**TERMS AND CANCELLATION:**

The College of Engineering and Engineering Technology at Northern Illinois University and Harper College are committed to working closely and collaboratively on the Guaranteed Admissions Transfer Program (HHEP). This agreement is effective for the 2020-2021 academic year, and will renew annually upon the mutual written agreement of both parties. Should changes occur in course or program content, the institution initiating the change agrees to notify the other institution in writing so this agreement can be re-evaluated under the changed course or program content. Notice of changes shall be given at least 60 days prior to the first day of instruction (at both institutions) of the academic year in which the change will be implemented.

**William Rainey Harper College**

  
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Dr. Avis Proctor, President

2-26-2020  
Date

  
\_\_\_\_\_  
Maria Coons, Provost

2-25-2020  
Date

**College of Engineering and Engineering Technology  
Northern Illinois University**

\_\_\_\_\_  
Dr. Lisa C. Freeman, President

\_\_\_\_\_  
Date

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Dr. Beth Fisher Ingram, Executive Vice President  
and Provost

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Date