College of DuPage

Associate of Applied Science (A.A.S.) – Electro-Mechanical Technology
Transfer guide to the University of Northern Iowa
Bachelor of Science (B.S.) – Electrical Engineering Technology

1. When will I graduate?

Students transferring to UNI from this A.A.S. program at College of DuPage should **expect to complete 74 credits at UNI**. Assuming that the student is starting at UNI during the fall semester, it will take roughly five semesters (two and a half years, a fall/spring/fall/spring/fall sequence), with no summer coursework, to graduate.

Transfer Credit Summary	Credits
A.A.S. credits transferring directly into UNI program	12
Other credits transferring to UNI (Gen eds or electives)	34
Total credits transferring towards UNI degree	46
Total credits needed at UNI	**74** (120 total)

2. Which A.A.S. courses transfer directly into the EET major?

Upon completion of this A.A.S. degree, the following courses within the listed program at UNI will be completed:

- TECH 1037 – Introduction to Circuits (3 cred.)
- TECH 1039 – Circuits & Systems (3 cred.)
    - Students must complete **ELECT 1101** – Circuits I & **ELECT 1102** – Circuits II at College of DuPage.
- TECH 3160 – Computer-Aided Instrumentation & Interfacing (3 cred.)
- TECH 3164 – Programmable Logic Controllers (3 cred.)

3. Which A.A.S. courses transfer directly to UNI as "gen eds" or electives?

Other courses built into this A.A.S. curriculum, or open electives, will also transfer to UNI. The following courses are recommended to complete at College of DuPage as part of this A.A.S. curriculum:

- General Education electives (13 cred.)
    - **ENGLI 1101** – English Composition I & **ENGLI 1102** – English Composition II
        - Students must complete ENGLI 1101 – English Composition I **&** ENGLI 1102 – English Composition II at College of DuPage to satisfy the Written Communication requirement at UNI.
    - **HISTO 1130** – History of the United States to 1865 **or HISTO 1140** – History of the United States Since 1865.
    - **MATH 1431** – Precalculus I
    - **MATH 1635** – Statistics
- Additional university electives transferring (21 cred.)

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4. What would I study at UNI?

By completing the recommended A.A.S. degree plan, the student would be required to complete the courses in black, listed below, at UNI.

Math/Science Coursework		Cr.
CS 1160	C/C++ Programming	3
~~MATH 1140~~	~~Precalculus~~	~~4~~
MATH 1150 **or** MATH 1420	Calculus for Technology **or** Calculus I	4
PHYSICS 1511	General Physics I	4
~~STAT 1772~~	~~Intro to Statistical Methods~~	~~3~~
	Total Credits Remaining	**11**

Technical Core		Cr.
ENGR 1000	Intro. to Eng. & Prof. Practices	3
~~TECH 1037~~	~~Introduction to Circuits~~	~~3~~
~~TECH 1039~~	~~Circuits & Systems~~	~~3~~
PHIL 1560	Science, Technology & Ethics	3
TECH 2051	Analog Electronics	4
TECH 2053	Digital Electronics	4
TECH 2055	Elec. Power Systems & Machinery	4
TECH 3129	Linear Control Systems	3
TECH 3157	Microcontroller Applications	3
~~TECH 3160~~	~~Comp.-Aided Instru. & Interfacing~~	~~3~~
~~TECH 3164~~	~~Programmable Logic Controllers~~	~~3~~
TECH 4103	Electronic Communications	3
TECH 4104	App. Digital Signal Processing	3
TECH 4165	Wireless Comm. Networks	3
TECH 4167	Power Electronics Applications	3
ENGR 4500	Senior Design	3
ENGLISH 3772	Tech. Writing for Eng. Tech.	3
	Total Credits Remaining	**42**

UNI Foundational Inquiry (UNIFI)	Cr.
~~WR - Written Communication~~	~~3~~
OC - Oral Communication	3
~~QR - Quantitative Reasoning~~	~~3~~
~~HD - Human Condition (Domestic)~~	~~3~~
HG - Human Condition (Global)	3
~~SR - Scientific Reasoning (with Lab)~~	~~4~~
HE - Human Expression	3
~~RE - Responsibility~~	~~3~~
UNIFI certificate **or** UNIFI electives	12
Total UNIFI Credits Remaining	**21**

Credits needed to earn UNI degree	74

5. How would I complete my degree?

Based on the remaining coursework, below is a semester-by-semester breakdown of how the student would complete any remaining requirements at UNI.

Fall 1	Cr.
CS 1160	3
ENGR 1000	3
PHIL 1560	3
TECH 2051	4
TECH 2053	4
Total	**17**

Spring 1	Cr.
MATH 1150	4
PHYSICS 1511	4
TECH 2055	4
ENGLISH 3772	3
Total	**15**

Fall 2	Cr.
TECH 3129	3
TECH 3157	3
TECH 4103	3
UNIFI course	3
UNIFI course	3
Total	**15**

Spring 2	Cr.
TECH 4104	3
TECH 4165	3
UNIFI course	3
UNIFI course	3
UNIFI course	3
Total	**15**

Fall 3	Cr.
TECH 4167	3
ENGR 4500	3
UNIFI course	3
UNIFI course	3
Total	**12**

Other Important Information

- This transfer guide is based off the 2025-2026 academic catalogs at UNI & College of DuPage.
- Courses listed in the Remaining UNI Plan of Study (section 5) are subject to change at any time. This plan assumes transfer students start in the fall semester.
- This transfer guide assumes the student is only transferring in coursework from this A.A.S. degree plan. Students *may transfer additional credits to UNI*, which will be evaluated on an individual basis.
- The UNI Foundational Inquiry (UNIFI) at UNI is the collection of general education courses required by the institution to fulfill the university's mission. For more information, visit unifi.uni.edu.