

Hawkeye Community College

Associate of Applied Science (A.A.S.) – Electronics Engineering Technology

Transfer guide to the [University of Northern Iowa](#)

Bachelor of Science (B.S.) – Electrical Engineering Technology

A.A.S. courses transferring to UNI

Upon successful completion of the A.A.S. degree highlighted in this transfer guide, the following courses within the Bachelor of Science (B.S.) in Electrical Engineering Technology program at the University of Northern Iowa will be satisfied:

UNI Course	Course Title	Cr.
MATH 1140	Precalculus <i>Please see Option A below.</i>	4
CS 1160	C/C+ Programming	3
TECH 1037	Intro to Circuits	3
TECH 1039	Circuits & Systems	3
TECH 2041	Intro to Analog Electronics	3
TECH 2042	Intro to Digital Electronics	3
TECH 3152	Advanced Analog Electronics	3
TECH 3156	Advanced Digital Electronics	3
TECH 3160	Comp.-Aided Instru. & Interfacing	3
TECH 4103	Electronic Communications	3
	Additional electives transferring	24
Grand Credit Total		55

Option A

Students **must complete** the following courses at HCC in order to successfully transfer the requirement for MATH 1140 - Precalculus at UNI.

HCC Course	Course Title
MAT 504 & MAT 514	Electronics Math I & Electronics Math II

Other courses transferring to UNI

Additional coursework built into this A.A.S. degree program may also transfer to the University of Northern Iowa. These courses satisfy requirements towards UNI's Foundational Inquiry (UNIFI) unless otherwise noted. For more information about UNIFI, please see the reverse of this document.

Required by A.A.S. degree plan

The course listed below is required as part of this A.A.S. curriculum.

HCC Course	Course Title	UNIFI
SPC 101	Fund. of Oral Communication	OC
Credit Total		3

* The UNIFI column lists the category each course satisfies at UNI.

Recommended as part of A.A.S. degree plan

Students should choose **one** of the courses below to fulfill an A.A.S. elective requirement.

HCC Course	Course Title	UNIFI
PSY 102 or PSY 111 or SOC 110	Human & Work Relations or Intro to Psychology or Intro to Sociology	HG
Credit Total		3

* The UNIFI column lists the category each course satisfies at UNI.

Credit Summary	Cr.
A.A.S. credits transferring to UNI	55
Other credits transferring to UNI	6
Total credits towards UNI degree	61
Total credits needed at UNI	65

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Remaining UNI Coursework

By completing the recommended A.A.S. degree plan, courses highlighted in red will transfer into the Electrical Engineering Technology program 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 <i>Also satisfies UNIFI category SR.</i>	4
STAT 1772	Intro to Statistical Methods <i>Also satisfies UNIFI category QR.</i>	3
Total Credits Remaining		11

Technical Core		Cr.
TECH 1037	Intro to Circuits	3
TECH 1039	Circuits & Systems	3
TECH 2038	Intro to Elec. Power & Machinery	3
TECH 2044	Intro to Analog Electronics	3
TECH 2042	Intro to Digital Electronics	3
TECH 3129	Linear Control Systems	3
TECH 3152	Advanced Analog Electronics	3
TECH 3156	Advanced Digital Electronics	3
TECH 3157	Microcontroller Applications	3
TECH 3160	Comp.-Aided Instru. & Interfacing	3
TECH 3164	Prog. Logic Controllers	3
TECH 3166	Adv. Electrical Power Systems	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
TECH 4220	Senior Design	3
ENGLISH 3772	Tech. Writing for Eng. Tech.	3
Total Credits Remaining		30

UNI Foundational Inquiry (UNIFI)		Cr.
WR - Written Communication		3
OC – Oral Communication		3
QR – Quantitative Reasoning		3
HD - Human Condition (Domestic)		3
HC – Human Condition (Global)		3
SR – Scientific Reasoning (with Lab)		3
HE - Human Expression		3
RE - Responsibility		3
UNIFI certificate or UNIFI electives		12
Total UNIFI Credits Remaining		24

Credits needed to earn UNI degree 65

Remaining UNI Plan of Study

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

Semester 1	Cr.
PHYSICS 1511	4
STAT 1772	3
UNIFI	9
Total	16

Semester 2	Cr.
MATH 1150	4
TECH 3164	3
ENGLISH 3772	3
UNIFI	6
Total	16

Semester 3	Cr.
TECH 2038	3
TECH 3129	3
TECH 3157	3
TECH 4165	3
UNIFI	6
Total	18

Semester 4	Cr.
TECH 3166	3
TECH 4104	3
TECH 4167	3
TECH 4220	3
UNIFI	3
Total	15

Other Important Information

- This transfer guide is based off of the 2022-2023 academic catalogs at UNI & Hawkeye Community College.
- Courses listed in the Remaining UNI Plan of Study section are subject to change at any time and are based on a fall semester start.
- 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 universities mission. For more information, visit unifi.uni.edu.