

Electronics Technology (BP) Associate in Applied Science Degree

Semester Sequence

Offered at Brooklyn Park Only

First Semester

ELEC1000	DC Circuits	4
ELEC1050	AC Circuits	4
ELEC1100	Complex AC Circuits	3
ELEC2300	Troubleshooting Computers Elective	3
MATH2050	Applications of Quantitative Reasoning or	3
MATH2150	Introduction to Statistics or	3
MATH2200	College Algebra	4

Total Credits 17

Second Semester

ELEC1150	Diodes and Rectifiers	2
ELEC1200	Soldering Skills or	1
ELEC1220	Electronic Soldering and Inspection	2
ELEC1250	Solid State Components and Circuits	5
ELEC1300	Operational Amplifiers	2
ELEC1400	Basic Troubleshooting	3
CPLT1100	Computer Essentials or	3
METS1000	Computers in Manufacturing	3

Total Credits 16

Summer Semester

ENGL2121	Writing and Research or	4
ENGL2125	Technical Writing	3
PHIL2100	Critical Thinking for College Success	3

Total Credits 6

Third Semester

ELEC1450	Basic Digital Logic	3
ELEC2000	Advanced Digital Circuits I	4
ELEC2020	Advanced Digital Circuits II	3
ELEC2050	Advanced Troubleshooting General Education Electives	4 3

Total Credits 17

Fourth Semester

ELEC2200	Microprocessors and Microcomputers I	4
ELEC2220	Microprocessors and Microcomputers II	4
ELEC2450	Regulated Power Supplies	2
	Technical Studies Electives	3
	General Education Electives	3

Total Credits 16

Technical Studies Electives

Recommended:

ELEC1220	Electronic Soldering and Inspection	2
ELEC1285	Practical Circuit Analysis with Multisim	2
ELEC1375	LabVIEW Fundamentals and Applications	2
ELEC1900	Specialized Lab	1 - 4
ELEC2100	Motor and Motor Controllers	3
ELEC2300	Troubleshooting Computers	3
ELEC2400	Industrial Controls	2
ELEC2420	Telemetry	2

Choose a Total of: 6 Credits

General Education Electives

A complete list of MnTC courses and Goal Areas that can be used to meet General Education requirements can be found at www.hennepintech.edu. The same course cannot satisfy more than one MnTC Goal Area requirement.

Hennepin Technical College's 2000-level general education courses meet the guidelines of the Minnesota Transfer Curriculum (MnTC).

Choose a Total of: 6 Credits

Graduation (72 Credits)

Semester listings reflect the recommended sequence. Due to circumstances beyond our control, the information herein is subject to change without notice.

3/15/2021 : BP 4204 / EP