

Associate of Technical Studies Degree Engineering Technologies

Electrical Construction Technology (9712)

The Electrical Construction Technology program is a five-year Associate of Technical Studies (ATS) degree program offered in collaboration with the International Brotherhood of Electrical Workers (IBEW Local #673). This program combines traditional coursework in communications, mathematics, physics, economics, and computers with technical courses and work experience. Graduates may work in residential, commercial and industrial construction as skilled wireman and in all aspects of the electrical and teledata industry. Admission is by application, competitive testing, and interviews with the IBEW Local #673.

Students must meet specific admission requirements for this program. Interested students should contact the director of admissions or the Counseling Office for details about applying for admission to the program.

First Semester:

ECTA 1000	Electrical Construction Technology IA	4
MECT 1000	Introduction to Technology.	2
		6

Second Semester:

ECTA 1010	Electrical Construction Technology IB	4
MATH 1001	Introduction to Technical Mathematics.	4
		8

Third Semester:

ECTA 1200	Electrical Construction Technology IIA	4
MATH 1101	Technical Mathematics I.	4
		8

Fourth Semester:

ECTA 1210	Electrical Construction Technology IIB	4
ENGL 1110*	English Composition I (A)	3
OR		
ENGL 1111	English Composition I (B)	3
		7

Fifth Semester:

ECTA 2300	Advanced Electrical Construction Technology IA	4
ENGL 1121	English Composition II - Technical Focus	3
		7

Sixth Semester:

ECTA 2310	Advanced Electrical Construction Technology IB	4
PHYS 2100	Applied Physics III	2
		6

Seventh Semester:

ECTA 2400	Advanced Electrical Construction Technology IIA	4
ECON 1150	Basic Economics	3
		7

Eighth Semester:

ECTA 2410	Advanced Electrical Construction Technology IIB	4
HUMX 1100	Introduction to Humanities.	3
		7

Ninth Semester:

ECTA 2500	Instrumentation and Testing A	4
SPCH 1100	Effective Interpersonal Communication	3
		7

Tenth Semester:

ECTA 2510	Instrumentation and Testing B	4
PSYC 1500	Introduction to Psychology	3
		7

Program Total: 70

Electrical Construction Certificate (4222)

ECTA 1000	Electrical Construction Technology IA	4
ECTA 1010	Electrical Construction Technology IB	4
ECTA 1200	Electrical Construction Technology IIA	4
ECTA 1210	Electrical Construction Technology IIB	4
ECTA 2300	Advanced Electrical Construction Technology IA	4
ECTA 2310	Advanced Electrical Construction Technology IB	4
ECTA 2400	Advanced Electrical Construction Technology IIA	4
ECTA 2410	Advanced Electrical Construction Technology IIB	4
ECTA 2500	Instrumentation and Testing A	4
ECTA 2510	Instrumentation and Testing B	4

Certificate Total: 40

Residential Wiring Certificate (4223)

ECTA 1005	Residential Wiring I	5
ECTA 1205	Residential Wiring II	5
ECTA 2005	Residential Wiring III.	5
ECTA 2205	Residential Wiring IV	5

Certificate Total: 20