











Electrical Construction Technology (9712)

Associate of Technical Studies Degree


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 Counseling and Advising Center for details about applying for admission to the program.

Course	Title	Credit Hours
First Semester		
ECTA 1000	Electrical Construction Technology IA 	3
ENGR 1000	Introduction to Engineering Technology	2
FYEX 1000	First Year Experience	1
Credit Hours		6
Second Semester		
ECTA 1010	Electrical Construction Technology 1B 	3
MATH 1080	Introduction to Technical Mathematics	4
Credit Hours		7
Third Semester		
ECTA 1200	Electrical Construction Technology IIA 	3
MATH 1180	Technical Mathematics I	4
Credit Hours		7
Fourth Semester		
ECTA 1210	Electrical Construction Technology IIB 	3
ENGL 1110 or ENGL 1111	English Composition I (A) ¹ or English Composition I (B)	3
MATH 1280	Technical Mathematics II	4
Credit Hours		10
Fifth Semester		
ECTA 2300	Advanced Electrical Construction Technology IA 	3
ENGL 1121	English Composition II-Technical Focus	3
Credit Hours		6
Sixth Semester		
ECTA 2310	Advanced Electrical Construction Technology IB 	3
PHYS 1100	Applied Physics Mechanics	3
Credit Hours		6
Seventh Semester		
ECTA 2400	Advanced Electrical Construction Technology IIA 	3
ECON 1150	Basic Economics	3
Credit Hours		6
Eighth Semester		
ECTA 2410	Advanced Electrical Construction Technology IIB 	3
HUMX 1100	Introduction to Humanities	3
Credit Hours		6
Ninth Semester		
COMM 1100	Effective Interpersonal Communications	3

ECTA 2500	Instrumentation and Testing A 	3
Credit Hours		6
Tenth Semester		
ECTA 2510	Instrumentation and Testing B 	3
PSYC 1500	Introduction to Psychology	3
Credit Hours		6
Total Credit Hours		66

¹ English course selection is based on placement test results (ENGL 1111 English Composition I (B) is 4 credits, only 3 credits apply to the degree).

 This course is designated as a technical course in the program. Students must earn a "C" grade or higher in the course to fulfill the college's graduation requirements policy.