

ELECTRIC VEHICLE TECHNOLOGY SKILLS - ASSOCIATE OF APPLIED SCIENCE [5860]

60 CREDIT HOURS



FALL START – this recommended sequence is based on a full-time, 6-semester schedule. This program can also be started in the summer or spring semesters, or taken part-time. See your academic advisor to adjust your plan of study. Core classes offered during the day, in face-to-face, online and open learning formats.

FIRST YEAR	COURSE NAME	CREDIT HOURS		
		FALL	SPRING	SUMMER
ELTC 102 ^{P*}	DC Electronics (8W1)	3		
ELTC 103 *	AC Electronics (8W2)	3		
EVES 101*	Intro to Electric Vehicle Technology	3		
EVES 110*	Braking Systems 1	2		
REEC 234*	Battery Technologies	3		
TECH 172 OR 272	OSHA 10 or 30 Hour Industry Safety (online)	1-2		
BTEC 145	Employment Success Strategies		1	
BTEC 150	Customer Relations		1	
CTEC 101	Introduction to Computers		3	
ELTC 206**	Digital Electronics & Microprocessors (8W1)		3	
EVES 115**	Steering & Suspension Systems 1 (8W1)		2	
EVES 125**	Electrical & Chassis Control Systems 1 (8W2)		2	
EVES 220**	Climate Control & Thermal Mgmt (8W2)		3	
Social Sciences	Any IAI Social Sciences course			3
Total Credit Hours		15	15	3

SECOND YEAR	COURSE NAME	CREDIT HOURS		
		FALL	SPRING	SUMMER
EVES 210*	Braking Systems 2 (8W1)	3		
EVES 215*	Steering & Suspension Systems 2 (8W2)	3		
ENGL 101	Critical Reading & Writing	3		
TMAT 103	Technical Math 1	4		
TECH 299	Internship in Technology	1		
EVES 225**	Electrical & Chassis Control Systems 2		3	
EVES 235**	High Voltage Architecture		3	
Life or Physical Sciences	Any IAI Life or Physical Sciences course		3-4	
Humanities or Fine Arts	Any IAI Humanities or Fine Arts course		3	
TECH 299	Internship in Technology		1	
Total Credit Hours		14	13	0

* denotes a fall only class

**denotes a spring only class

^P Requires completion of TMAT 103 or higher placement

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SPRING START: this recommended sequence is based on a full-time, 6-semester schedule. This program can also be started in the fall or summer semesters, or taken part-time. See your academic advisor to adjust your plan of study.

COURSE OFFERINGS: *Core classes offered during the day and in face-to-face, online and open learning formats.*

FIRST YEAR	COURSE NAME	CREDIT HOURS		
		SPRING	FALL	SUMMER
BTEC 145	Employment Success Strategies	1		
BTEC 150	Customer Relations	1		
CTEC 101	Introduction to Computers	3		
EVES 115**	Steering & Suspension Systems 1 (8W1)	2		
EVES 125**	Electrical & Chassis Control Systems 1 (8W2)	2		
TECH 172 OR 272	OSHA 10 or 30 Hour Industry Safety (<i>online</i>)	1-2		
TMAT 103	Technical Math I	4		
EVES 101*	Intro to Electric Vehicle Technology (8W1)		3	
EVES 110*	Braking Systems 1 (8W2)		2	
ELTC 102P*	DC Electronics (8W1)		3	
ELTC 103*	AC Electronics (8W2)		3	
REEC 234*	Battery Technologies		3	
Social Sciences	Any IAI Social Sciences course			3
Total Credit Hours		14	14	3

SECOND YEAR	COURSE NAME	CREDIT HOURS		
		SPRING	FALL	SUMMER
ENGL 101	Critical Reading & Writing	3		
ELTC 206**	Digital Electronics & Microprocessors (8W1)	3		
EVES 220**	Climate Control & Thermal Mgmt (8W2)	3		
EVES 225**	Electrical & Chassis Control Systems 2 (8W1)	3		
EVES 235**	High Voltage Architecture (8W2)	3		
EVES 210*	Braking Systems 2 (8W1)		3	
EVES 215*	Steering & Suspension Systems 2 (8W2)		3	
Life or Physical Sciences	Any IAI Life or Physical Sciences course		3-4	
Humanities or Fine Arts	Any IAI Humanities or Fine Arts course		3	
TECH 299	Internship in Technology		2	
Total Credit Hours		15	14	

* denotes a fall only class

**denotes a spring only class