AAS Apprenticeship 2020-2021 Electrician Apprenticeship Technologies 92 Credits

Date of update: 04/27/2020

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Program Prerequisites: See requirements needed for first term classes.

Possible Term Plan	Course Number	Course Title	Credits	Terms	Prerequisites/Notes
Sequence	APR 140	Beginning Welding for Apprentices	1	F	None
	APR 151	Basic Electronics and Electricity	4	F	MTH 052 or MTH 060
	APR 153	Electrical Applications and Techniques	3	W	MTH 052 or MTH 060
	APR 155	Electrical Best Practices	2	W	None
	APR 157	Introduction to the National Electricity Code	2	S	None
	APR 159	Electrical Blueprint Reading	2	S	None
	APR 160	Residential Wiring	3	F	None
	APR 163	Commercial Wiring	3	F	MTH 052 or MTH 060
	APR 165	AC Electronics and Electricity	4	W	APR 151
	APR 167	Electric Motors and Transformers	3	S	APR 153
	APR 169	Electrical Code Study II	2	S	None
	APR 251	Electrical Sensors and Control	3	F	APR 167
	APR 253	Electrical Code Study III	2	F	None
	APR 255	Motor Controls I	2	W	APR 151
	APR 257	High Voltage Applications	2	F,W,S	APR 153
	APR 259	Solid State and Digital Applications	4	F,W,S	APR 165
	APR 261	Electrical Code Study IV	2	F,W,S	None
	APR 263	Communications, Alarms and Controls	2	F,W,S	APR 151
	APR 265	Motor Controls II	2	F,W,S	APR 255
	APR 267	Advanced Code Study	3	F,W,S	APR 157 or APR 169 or APR 253 or APR 261
	APR 269	Journeyman Exam Preparation	3	F,W,S	APR 157 or APR 169 or APR 253 or APR 261
	MTH 065	Elementary Algebra (or higher)	4	F,W,S,Su	Prerequisite: MTH 060 with a grade of C or better, placement by approved measure, or instructor permission.
	WR 121	Academic Composition	4	F,W,S,Su	Prerequisite: WR 115, RD 90 each with a grade of C or better, or appropriate placement test scores or placement by multiple measures; and basic computer word processing skills.
	Choose	Human Relations from Approved List	Minimum 3	F,W,S	Approved Human Relation Courses: PSY 101, SDP 113, SP 105, SP 218, SP 219
	MTH 095 AND/OR WR 122 AND/OR HR	Intermediate Algebra AND/OR Argument, Research, and Multimodal Composition AND/OR Human Relations from Approved List	Minimum 6	F,W,S	See individual classes
	INDU 93	Credit for Prior Certification (Journeyman Card)	22	F,W,S	None

Elective	Please note list below	2	F,W,S	

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Approved Electives	APR 112	Machine Shop Practices 2	3	F,W,S	APR 111
	APR 113	Machine Shop Practices 3	3	F,W,S	APR 112
	APR 122	Hydraulics 2	3	W	APR 121
	APR 123	Hydraulics 3	3	S	APR 122
	APR 142	Advanced Welding for Apprentices	1	F,W,S	APR 141
	APR 151	Basic Electronics & Electricity	4	F	MTH 053 or MTH 060
	APR 153	Electrical Applications & Techniques	3	F	MTH 053 or MTH 060
	APR 165	AC Electronics & Electricity	4	S	APR 151
	APR 259	Solid States & Digital Applications	4	S	APR 165
	BA 101	Introduction to Business	4	F,W,S,Su	None
	CIS 120	Intro to Computer Information Systems	4	F,W,S,Su	CIS 100 with a grade of C or better, placement by approved measure, or instructor permission
	CIS 125D	Microcomputers Applications - Database	3	S	CIS 120 or instructor approval
	CIS 125S	Computer Applications - Spreadsheets	3	W	CIS 120 or instructor approval
	HPE 295	Wellness & Health Assessment	3	F,W,S,Su	None
	SDP 109	Elements of Supervision	3	F,S	None

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Recommended Human Relations Course	PSY 101	Psychology of Human Relations	3	F,W,S, Su	None
	SDP 113	Human Relations/Supervisors	3	F	None
	SP 105	Listening	3	W, S, Su	WR 95
	SP 218	Interpersonal Communication	3	W,S	WR 95, RD 90
	SP 219	Small Group Discussion	3	W,S	WR 95, RD 90

Advising Notes	

Required/ Recommended Equipment and Software	