

APPLIED INDUSTRIAL TECHNOLOGY (ELECTRICAL CONSTRUCTION), APPRENTICESHIP

Code	Title	Credit Hours
ATEL-1300	Direct Current Fundamentals	3
ATEL-1330	National Electric Code	2
ATEL-1350	Industrial Safety	1
MATH-1xxx	1000 level or higher ¹	3
(http://catalog.tri-c.edu/academic-information/degree-certificate-program-requirements/associate-of-applied-science/#aas_math)		
Select one of the following:		3
ENG-1010	College Composition I	
ENG-101H	Honors College Composition I	
Select one of the following:		3
CNST-1731	Construction Print Reading	
FIN-1061	Personal Finance	
BADM-xxxx	Business Elective	
ATEL-1310	Alternating Current Fundamentals	3
ATEL-1360	Blueprint Fundamentals - Electrical	2
Communication requirement (http://catalog.tri-c.edu/academic-information/degree-certificate-program-requirements/associate-of-applied-science/#aas_comm) ²		3
Social and Behavioral Science Requirement (http://catalog.tri-c.edu/academic-information/degree-certificate-program-requirements/associate-of-applied-science/#aas_soc)		3
Select one of the following:		3
IT-1090	Computer Applications	
IT-109H	Honors Computer Applications	
IT-xxxx	Information Technology Elective	
ATEL-2300	Industrial Electronics Fundamentals I	3
ATEL-2310	Industrial Electronics Fundamentals II	3
ATEL-2350	Programmable Logic Controllers	3
Arts & Hum (See AAB/AAS degree requirements) (http://catalog.tri-c.edu/academic-information/degree-certificate-program-requirements/associate-of-applied-science/#aas_hum)		3
Select one of the following:		3
CNST-2131	Construction Methods and Materials	
BADM-xxxx	Business Elective	
Select one of the following:		3

CNST-2990	Construction Estimating & Cost Analysis	
BADM-xxxx	Business Elective	
AIT-2990	Contracting in a Diverse World	3
ATEL-2500	AC/DC Motors & Generators	4
ATEL-2510	Motor Controls	3
ATEL-2700	Electrical Instrumentation	4
Select one of the following:		3
CNST-2631	Construction Management Systems	
BADM-xxxx	Business Elective	

¹ MATH-1800 Special Topics in Mathematics-MATH-1820 Independent Study/Research in Mathematics may not be used to meet this requirement.

² ENG-2151 Technical Writing highly recommended.

Electives

Code	Title	Credit Hours
BADM-1020	Introduction to Business	3
BADM-1122	Principles of Management and Organizational Behavior	3
BADM-1301	Small Business Management	3
BADM-2151	Business Law	3
BADM-2450	New Business Development	5

Related Degrees and Certificates

- Electrical Construction, Certificate of Proficiency (http://catalog.tri-c.edu/programs/electrical-construction-certificate-proficiency)
- Applied Industrial Technology (Electrical Construction), Associate of Applied Science (http://catalog.tri-c.edu/programs/applied-industrial-technology-electrical-construction-aas)