

APPLIED INDUSTRIAL TECHNOLOGY (IRONWORKING), APPRENTICESHIP PROGRAM

Code	Title	Credit Hours
ATIW-1300	Structural Steel Concepts	2
ATIW-1310	Safety for Ironworkers	1
ATIW-1320	Steel Construction Procedures	1
ATIW-1330	Erection Concepts & Practices	3
ATIW-1410	Practical Applications of Reinforcing Steel	1
MATH-1xxx (http://catalog.tri-c.edu/academic-information/degree-certificate-program-requirements/associate-of-applied-science/#aas_math)	1000-level MATH course or higher	3
Select one of the following:		3
ENG-1010	College Composition I	
ENG-101H	Honors College Composition I	
ATIW-1600	Welding Fundamentals for Ironworkers	3
ATIW-2300	Shielded Metal Arc Welding	3
ATIW-2310	Welding Specialties	3
ATIW-2320	Welding Blueprints and Design	3
Communication requirement (http://catalog.tri-c.edu/academic-information/degree-certificate-program-requirements/associate-of-applied-science/#aas_comm) ¹		3
Select one of the following:		3
BADM-xxxx	Business Elective	
CNST-1xxx	CNST Elective	
ATIW-2330	Pre-Construction Planning of Speciality Applications	2
ATIW-2340	Speciality Installation Equipment	2
ATIW-2350	Ornamental Systems & Railings	2
ATIW-2360	Ornamental Applications	2
Arts and Humanities requirement (http://catalog.tri-c.edu/academic-information/degree-certificate-program-requirements/associate-of-applied-science/#aas_hum)		3
Select one of the following:		3
BADM-xxxx	Business Elective	
CNST-1xxx	CNST Elective	
Select one of the following:		3
IT-1090	Computer Applications	
IT-109H	Honors Computer Applications	
AIT-2990	Contracting in a Diverse World	3

ATIW-2500	Rigging and Hoisting	3
Social & 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
BADM-xxxx	Business Elective	
CNST-xxxx	CNST Elective	
Select one of the following:		3
BADM-xxxx	Business Elective	
CNST-xxxx	CNST Elective	

¹ ENG-2151 Technical Writing highly recommended.

Recommended Business Electives

Code	Title	Credit Hours
BADM-1020	Introduction to Business	3
BADM-1210	Labor-Management Relations	3
BADM-1122	Principles of Management and Organizational Behavior	3
BADM-2450	New Business Development	5
BADM-1301	Small Business Management	3
BADM-2151	Business Law	3

Recommended Construction Management Electives

Code	Title	Credit Hours
CNST-1281	Construction Engineering Orientation	3
CNST-1510	Green Building & Sustainability I	3
CNST-1731	Construction Print Reading	3
CNST-2131	Construction Methods and Materials	3

Related Degrees and Certificates

- Ironworking, Certificate of Proficiency (<http://catalog.tri-c.edu/programs/ironworking-certificate-proficiency>)
- Applied Industrial Technology (Ironworking), Associate of Applied Science (<http://catalog.tri-c.edu/programs/applied-industrial-technology-ironworking-aas>)