

Residential/Commercial vs. Industrial Electricity

	<u>Residential/Commercial</u>	<u>Industrial</u>
<u>Education</u>	None required per se. YTC Residential/Commercial Wiring Certificate (16 weeks to complete in the daytime, 32 weeks to complete in the evening).	Associate Degree preferred (5 semesters to complete in the daytime, 9 semesters to complete in the evening).
<u>Licensing</u>	License not required if working under a licensed electrician. A licensed electrician must be on the worksite when work is performed. <u>YTC's Residential/Commercial Wiring Certificate will not guarantee the student will pass the licensing examination. However, it will provide the student with a solid background that will aid the student in their test preparation.</u>	License not required. Liability is assumed by the company. <u>YTC's AIT.IMT Degree will not prepare the student to take the licensing examination.</u>
<u>Starting Pay</u>	<u>Residential:</u> Entry level (no license) \$7-\$10/hr. Entry level (w/license) \$10-\$13/hr. <u>Commercial:</u> Entry level (no license) \$8-\$10/hr. Entry level (w/license) \$12-\$15/hr.	Entry level (no experience) w/Associate Degree \$15-\$18/hr (plus overtime and shift differential).
<u>Benefits</u>	Low	Typically very good
<u>Tools</u>	Must provide own tools	Tools generally provided
<u>Job Market</u>	Cyclical – varies with season and economy.	Steady

	<u>Residential/Commercial</u>	<u>Industrial</u>
<u>Work Environment</u>	<p>Indoors and outdoors Subject to elements</p> <p>Relatively clean and safe Lower voltages Simpler circuits (mostly lighting and power)</p> <p>Some three-phase, mostly single-phase Less complicated environment to work in Low maintenance requirements</p> <p>Few machines and processes</p> <p>Very little or no conduit Typically daylight hours Typically work in 2 person teams</p>	<p>Mostly indoors Various temperatures and smells and degree of dirt More hazardous Higher voltages More complex circuits (lighting, power, and control)</p> <p>Three-phase and single-phase More complex working environment High maintenance requirements Many machines and processes Practically 100% conduit Shift work Typically work alone (some teamwork)</p>