

Semester One		
ENGL 1010	Fundamentals of English I (Pre-Req: Test Scores – See Advisor)	3
EMPL 1000	Interpersonal Relations	2
IDFC 1007	Industrial Safety Procedures	2
Choose One:	ELTR 1010 Direct Current Fund. or IDFC 1011 Direct Current I or IDSY 1101 DC Circuit Analysis	3
Choose One:	ELTR 1020 Electrical Sys. Basics (Co-Req: MATH 1012 + IDFC 1011) or IDFC 1012 Alternating Current I (Co-Req: IDFC 1011) or IDSY 1105 AC Circuit Analysis	3
<b>Total Hours:</b>		<b>13</b>

Semester Four		
<a href="#">Click Here to Apply for Graduation</a>		
ELTR 1090	Commercial Wiring II (Co-Req: ELTR 1080)	3
MATH 1012	Foundations of Mathematics (Pre-Req: Test Scores – See Advisor)	3
<b>Total Hours:</b>		<b>6</b>

Semester Two		
<a href="#">Click for Option</a>	Occupational-Related Elective	3
ELTR 1060	Electrical Prints Schematics Sys.	2
ELTR 1080	Commercial Wiring I	5
ELTR 1250	Diagnostic Troubleshooting	2
<b>Total Hours:</b>		<b>12</b>

Semester Three		
ELTR 1220	Industrial PLCs (Co-Req: ELTR 1180)	4
ELTR 1180	Electrical Controls	4
ELTR 1270	NEC Industrial Applications (Co-Req: ELTR 1080)	4
<b>Total Hours:</b>		<b>12</b>



This plan is for informational purposes ONLY.  
 It is not a substitute for meeting with a  
 program advisor each term.

**Total Program Hours: 43**

\*Regular Admission means that a student has met all admissions requirements and that the student does not require any learning support classes.  
 LTC's learning support courses are ENGL 0090, MATH 0090, and READ 0090.

Updated: 03/10/2017  
 Effective Term: 201716

Equal Opportunity Institution

Sample Graduation Plan  
 Diploma in  
 Electrical Systems Technology  
 (Electrical Construction & Maintenance Specialization)  
 ES12

[Jump Industrial Electrical  
Technology Specialization](#)

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ENGL 1010	Fundamentals of English I <small>(Pre-Req: Test Scores – See Advisor)</small>	3
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Choose One:	ELTR 1010 Direct Current Fund. or IDFC 1011 Direct Current I or IDSY 1101 DC Circuit Analysis	3
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Semester Four		
<a href="#">Click Here to Apply for Graduation</a>		
ELTR 1090	Commercial Wiring II <small>(Co-Req: ELTR 1080)</small>	3
MATH 1012	Foundations of Mathematics	3
<b>Total Hours:</b>		<b>6</b>

Semester Two		
<a href="#">Click for Option</a>	Occupational-Related Elective	3
ELTR 1060	Electrical Prints Schematics Sys.	2
ELTR 1080	Commercial Wiring I	5
ELTR 1205	Residential Wiring I	3
<b>Total Hours:</b>		<b>12</b>

Semester Three		
ELTR 1210	Residential Wiring II <small>(Co-Req: ELTR 1205)</small>	3
ELTR 1180	Electrical Controls	4
<a href="#">Click for Option</a>	Occupational-Related Electives	4
<b>Total Hours:</b>		<b>12</b>



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# Occupational-Related Electives

BUSN 1410 *Spreadsheet Concepts & Apps* (4)

ELTR 1205 *Residential Wiring I* (3)

ELTR 1210 *Residential Wiring II* (3)

(Co-Req: ELTR 1205)

ELTR 1220 *Industrial PLCs* (4)

(Co-Req: ELTR 1180)

ELTR 1250 *Diagnostic Troubleshooting* (2)

ELTR 1270 *NEC Industrial Applications* (4)

ELTR 1500 *Elec Sys Tech Intern/Practicum* (3)

ELTR 1510 *Electrical Worker* (3)

ELTR 1520 *Grounding & Bonding* (2)

ELTR 1525 *Photovoltaic Systems* (5)

(Co-Req: ELTR 1210)

ELTR 1530 *Conduit Sizing* (2)

(Pre-Req: Regular Admission\*)

ELTR 1540 *Wire Pulling & Codes* (3)

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For more information about our graduation rates, the median debt of students who complete programs, and other important information please visit our website: <http://www.laniertech.edu/GE.aspx>.