

**Certificate**  
in  
**Industrial PLC Systems**

**FALL SEMESTER**

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	_____
ELT	102	Basic Electricity and Wiring <sup>1</sup>	4	_____
ELT	205	Hydraulics & Pneumatics	3	_____
MAT	115	Applied Mathematics	3	_____
ELT	105	Introduction to Programmable Logic Controllers	3	_____
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**NOTES AND INFORMATION**

<sup>1</sup>Requires a grade of "C" or higher

<sup>2</sup>These courses have a pre-requisite

<b>Fall only courses:</b>	<b>Spring only courses:</b>
ELT 205	ELT 103 ELT 201
ELT 105	ELT 150
	ELT 224

**SPRING SEMESTER**

Dept.	No.		Hrs.	Grade
ELT	103	Applied DC/AC Circuits <sup>2</sup>	4	_____
CMG	218	CAD for Applied Technology	3	_____
ELT	150	Applied Solid State Electronics <sup>2</sup>	3	_____
ELT	224	Power Distribution and Motors	3	_____
ELT	201	PLC Manufacturing Systems & Industrial Robotics <sup>2</sup>	3	_____
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The Industrial PLC Systems Certificate Program (00ELT3013) is an ICCB approved extension of the Industrial Maintenance Engineering AAS Degree (00ELT3012) which is the parent to:

- PLC Technician Certificate (ELT 2006)

**Career Opportunities:** Entry-level PLC maintenance and PLC System Programmer.

**JALC ELT Programs are educational members of:**



Institute of Electrical and Electronics Engineers  
445 Hoes Lane  
Piscataway, NJ 08854



Association for Computing Machinery  
1601 Broadway, 10th Floor  
New York, NY 10019-7434

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