Electro-Mechanical Apprenticeship

Term	Course Number	Course Description	Lecture Hours	Lab Hours	CEUs	Credits	Hours Per Week	Day
Spring 2007	MAT 101	Beginning Algebra	3				3	Friday
Spring 2007	Con Ed	Industrial Safety	24		2.4		4	Friday
Spring 2007	Con Ed	Lean Manufacturing	12		1.2		4	Friday
Spring 2007	Con Ed	Basic Hydraulics/Pneumatics	24	24	4.8		4	Friday
Summer 2007	MAT 170	Algebra, Geometry and Trigonometry I	3			3	4	Friday
Fall 2007	EEM 117	AC/DC Circuits I	2	6		4	8	Friday
Spring 2008	EEM 118	AC/DC Circuits II	2	6		4	8	Friday
Spring 2008	Con Ed	Laser Alignment	12	12	2.4		3	??
Summer 2008	EEM 217	AC/DC Machines with Electrical Codes	3	3		4	9	Friday
Fall 2008	EEM 151	Motor Controls I	2	6		4	8	Friday
Spring 2009	IMT 105	Mechanical Sketching	1	3		2	4	Thursday
Spring 2009	Con Ed	Pipefitting	10	30	4.0		4	Friday
Spring 2009	Con Ed	Welding	10	30	4.0		4	Friday
Summer 2009	IMT 121	Drive Systems	1	3		2	6	Thursday
Summer 2009	Con Ed	Geometric Dimensioning and Tolerancing	12		1.2		2	Thursday
Fall 2009	IMT 131	Hydraulics and Pneumatics	3	3		4	2	Friday
Fall 2009	Con Ed	Preventive Maintenance	15	15	3.0		2	Thursday
Spring 2010	EEM 251	Programmable Controllers	2	3		3	5	Friday
Spring 2010	Con Ed	CNC Machine Operations	15	15	3.0		3	Friday
Summer 2010	IMT 124	Pumps	1	3		2	6	Friday
Fall 2010	Con Ed	Intermediate PLCs	8	24	3.2		8	Friday
Fall 2010	Con Ed	Advanced PLCs	8	24	3.2		8	Friday
Fall 2010	Con Ed	Auto CAD	20	20	4.0		8	Mon – Fri
Fall 2010	Con Ed	Predictive Maintenance and Vibration Analysis	8	24	3.2		8	Friday
				Totals:	**39.6**	**32**		

<u>Note:</u> Certificate in Industrial Technology (Automated Controls Electrician) earned.
All credits apply toward an Associate in Occupational Technology degree.