

APPENDIX 3.

ENERGY/LOGISTICS CURRICULA REVIEW WORKSHEETS

Energy/Advanced Manufacturing Logistics Dashboard

School Name	School Code	Program Name	Credential (Certificate, Degree, Diploma, Specialized Diploma)
Bucks County Community College	CC01	AMIST 1	Certificate
Community College of Butler County	CC02	Industrial Maintenance Technician	Certificate
Community College of Philadelphia	CC05	Advanced Manufacturing Training	Certificate
Delaware County Community College	CC06	PVC Solar, IREC, Geothermal	Certificate
Harrisburg Area Community College	CC07	Manufacturing Workforce Training	Certificate
Lehigh Carbon Community College	CC08	Industrial Automation Technician	Certificate
		Industrial Mechanical Tech	Certificate
		Industrial Electrical Tech	Certificate
		Mechatronics	Certificate
Luzerne County Community College	CC09	Industrial Maintenance Tech	Certificate/Dipolma
		Advanced Manufacturing PV Installer	Certificate
		CDL with N	Certificate
		Electrical Construction	Certificate/Dipolma
		Intro to Welding	Certificate
Reading Area Community College	CC13	Renewable Energy Core Technology	Certificate

**Community College of
Beaver County**

School Code	How Program Offered	Course Listings	Credit or Non-Credit	Length of Program	Curriculum Purchased	Curriculum Copyright	Identifies Core Competencies	Industry Standards	Reviewed by Industry	Competencies Current	Student Assessments	Student Development Opportunities
CC04.CM1.F	hybrid/blended	Mechanical Systems	non credit	70 hours	no	no	yes	yes	yes	yes	yes	yes
CC04.CM2.F	hybrid/blended	Pneumatics	non credit	31 hours	no	no	yes	yes	yes	yes	yes	yes
CC04.CM3.F	hybrid/blended	Hydraulics	non credit	76 hours	no	no	yes	yes	yes	yes	yes	yes
CC04.CM4.F	hybrid/blended	DC-AC	non credit	30 hours	no	no	yes	yes	yes	yes	yes	yes
CC04.CM5.F	hybrid/blended	Motor Controls	non credit	65 hours	no	no	yes	yes	yes	yes	yes	yes
CC04.CM6.F	hybrid/blended	Electrical Wiring	non credit	10 hours	no	no	yes	yes	yes	yes	yes	yes
CC04.CM7.F	hybrid/blended	PCC Part 1	non credit	80 hours	no	no	yes	yes	yes	yes	yes	yes

**Delaware County
Community College**

School Code	How Program Offered	Course Listings	Credit or Non-Credit	Length of Program	Curriculum Purchased	Curriculum Copyright	Identifies Core Competencies	Industry Standards	Reviewed by Industry	Competencies Current	Student Assessments	Student Development Opportunities
CC06.CM1.F	Lecture and Lab	PDS 2788	yes 6.53 cr.	120 hrs.	yes	yes	yes	yes	yes	yes	yes	yes
CC06CM2.F	Lecture and Lab	PDS 9799	yes 2 cr.	45 hrs.	yes	yes	yes	yes	yes	yes	yes	yes
CC06CM2.F[2]	Lecture and Lab	PDS 9799	yes 2 cr.	45 hrs.	yes	yes	yes	yes	yes	yes	yes	yes
CC06CM3-4.F	Lecture and Lab	PDS 9799	non-credit	45 hrs.	yes	yes	yes	yes	yes	yes	yes	yes
CC06CM4.F	Lecture and Lab	PDS 9804 0	non-credit	45 hrs.	yes	yes	yes	yes	yes	yes	yes	yes
CC06CM5.F	Lecture and Lab	PDS 9805	yes 2 cr.	45 hrs.	yes	yes	yes	yes	yes	yes	yes	yes

**Harrisburg Area
Community College**

School Code	How Program Offered	Course Listings	Credit or Non-Credit	Length of Program	Curriculum Purchased	Curriculum Copyright	Identifies Core Competencies	Industry Standards	Reviewed by Industry	Competencies Current	Student Assessments	Student Development Opportunities
CC07.CM23.B	Lecture and Lab	Warehouse Equipment Moving Specialist	non-credit	180 hrs.	yes	yes	yes	OSHA	yes	yes	yes	OSHA Safety certification & MSSC, CLA
CC07.CM39.F	Lecture and Lab	Welding	non credit	180 hrs.	yes	info. not supplied	yes	OSHA	yes	yes	yes	OSHA Safety certification & MSSC, CLA
CC07.CM43	Lecture and Lab	EMA-120	4 credit hours	75 hr.	info. not supplied	info. not supplied	YES	YES	yes	YES	yes	yes
CC07.CM44	3 Hr/Lecture - 2 Hr/Lab	EMA-140	4 hrs. credit	75 hrs.	info. not supplied	info. not supplied	yes	yes	yes	yes	yes	yes
CC07.CE23F	3 Hr/Lecture - 2 Hr/Lab	EMA 110	3 credit hours	15 weeks	no	no	yes	yes	yes	yes	yes	yes
CC07.CE24	3 Hr/Lecture - 2 Hr/Lab	EMA 130	3 credit hours	15 weeks	no	no	YES	yes	yes	yes	yes	yes
CC07.CE25	Lecture 3	NGT 210	3 credit hours		no	no	yes	yes	yes	yes	yes	yes
CC07.CM25	Lecture	Wastewater Treatment	non credit	180 hours	yes	yes	yes	yes	yes	yes	yes	yes
CC07.NGT 101	Lecture	NGT 101	4 credit hours	15 weeks	no	no	no	no	yes	yes	yes	yes
CC07.NGT 110	Lecture	NGT 110	3 credit hours	15 weeks	no	no	no	no	yes	yes	yes	yes

**Lehigh Carbon
Community College**

School Code	How Program Offered	Course Listings	Credit or Non-Credit	Length of Program	Curriculum Purchased	Curriculum Copyright	Identifies Core Competencies	Industry Standards	Reviewed by Industry	Competencies Current	Student Assessments	Student Development Opportunities
CC08.CM17.H	Lecture, Lab & Online	Mechatronics	non-credit	410 hrs.	yes	yes	yes	Amatrol 850 series hydraulic trainer	yes	yes	Self Reviews	yes
CC08.CM16.H	Lecture & Online	Mechanical AM/IST Level 1	non-credit	205 hrs.	yes	yes	yes	Amatrol T7017 AC/DC Electrical trainer	yes	yes	Self Reviews	yes
CC08.CM15.H	Lecture, Lab & Online	Intermediate Pneumatic	non-credit	301-450 hrs	yes	yes	yes	Amatrol trainer	yes	yes	Self Reviews	yes
CC08.CM14.H	Lecture, Lab & Online	Pneumatic/Hydraulic	non-credit	301-450 hrs	yes	yes	yes	info. not supplied	yes	yes	Self Reviews	yes
CC08.CM13.H	Lecture, Lab & Online	Programmable Logic Control	non-credit	80 hrs.	yes	yes	yes	info. not supplied	yes	yes	Self Reviews	yes
CC08.CM8.H [2]	Lecture, Lab & Online	Production Technician	non-credit	200 hrs.	yes	yes	yes	OSHA	yes	YES	Self Reviews	yes
CC08.CM8.H	On Line	Production Technician	non-credit	50-100 hrs	yes	yes	yes	info. not supplied	yes	yes	Self Reviews	yes
CC08.CM1.H	Lecture, Lab & Online	Electrical/Electronic AM/IST Level 2	non-credit	220 hrs.	yes	yes	yes	Amatrol 850 series hydraulic trainer	yes	yes	Self Reviews	yes
CC08.CM18/H	Lecture, Lab & Online	CDL-Class A (TRA 508)	non-credit	220 hrs.	yes	yes	yes	Commercial Truck Driving	yes	yes	participants will be prepared	yes

**Luzerne County
Community College**

School Code	How Program Offered	Course Listings	Credit or Non-Credit	Length of Program	Curriculum Purchased	Curriculum Copyright	Identifies Core Competencies	Industry Standards	Reviewed by Industry	Competencies Current	Student Assessments	Student Development Opportunities
CC09.DM28	Lecture & Lab	Ind. Electricity-Part II	non-credit	32 hrs.	yes	yes	yes	National Electric Code; NFPA-70	yes	yes	Students will be evaluated on neatness, accuracy and operation of their circuitry.	yes
CC09.DM27	Lecture & Lab	Industrial Electricity I	non-credit	32 hrs.	yes	yes	yes	National Electric Code; NFPA-70	yes	yes	Students will be evaluated on neatness, accuracy and operation of their circuitry.	yes
CC09.DM26	Lecture & Lab	Programmable Logic Controls III using ConrollLogix	non-credit	32 hrs.	yes	yes	yes	yes	yes	yes	student evaluated upon completion of quizzes & labs	yes
CC09.DM25	Lecture & Lab	Programmable Logic Controller (PLC) Part II using SLC500	non-credit	32 hrs.	yes	yes	yes	yes	yes	yes	Students will be evaluated on neatness, accuracy and operation of their circuitry.	yes
CC09.DM24	Lecture & Lab	Programmable Logic Controllers – Part I	non-credit	32 hrs.	yes	yes	yes	yes	yes	yes	student evaluated upon completion of tests & labs	yes
CC09.DM23	Lecture & Lab	Motion Control Servo Control using ConrollLogix	non-credit	21 hrs.	yes	yes	yes	yes	yes	yes	student evaluated upon completion of tests & labs	yes
CC09.CM89	Lecture & Lab	Industrial Motor Controls-Part I	non-credit	32 hrs.	yes	yes	yes	National Electric Code	yes	yes	Students will be evaluated on neatness, accuracy and operation of their circuitry.	yes
CC09.CM88	Lecture & Lab	Industrial Motor Controls II	non-credit	44 hrs.	yes	yes	yes	National Electric Code	yes	yes	Students will be evaluated on neatness, accuracy and operation of their circuitry.	yes
CC09.CM87	Lecture & Lab	Industrial Motor Controls-Part III	non-credit	32 hrs.	yes	yes	yes	National Electric Code	yes	yes	Students will be evaluated on neatness, accuracy and operation of their circuitry.	yes
CC09.CM1	Lecture & Lab	INTRO TO WELDING	non-credit	45 hrs.	yes	yes	yes	yes	yes	yes	QUIZZES	yes

**Additional
Information**

School Code	How Program Offered	Course Listings	Credit or Non-Credit	Length of Program	Curriculum Purchased	Curriculum Copyright	Identifies Core Competencies	Industry Standards	Reviewed by Industry	Competencies Current	Student Assessments	Student Development Opportunities
ELC - 191 BASIC	Lecture: 3 Lab: 2	ELC - 191	4 hrs. credit	75 hrs.	info. not supplied	info. not supplied	yes	info. not supplied	info. not supplied	yes	info. not supplied	yes
ELC - 191 SYLLABUS	info. not supplied	ELC -191	info. not supplied	15 wks.	info. not supplied	info. not supplied	yes	info. not supplied	info. not supplied	yes	yes	yes
NGT - 100 SYLLABUS	info. not supplied	NGT - 100	info. not supplied	15 wks.	info. not supplied	info. not supplied	yes	info. not supplied	info. not supplied	yes	yes	yes
NGT - 100	1 hr. lecture	NGT - 100	1 credit	info. not supplied	info. not supplied	info. not supplied	yes	info. not supplied	info. not supplied	yes	info. not supplied	yes