

MAINTENANCE TECHNICIAN Certificate

Complete a 16-credit Maintenance Technician Certificate onsite at the Eastern Academic Center campus in Albion!

Maintenance Technicians perform a variety of troubleshooting, repairing and preventative maintenance duties in an organization. KCC's Maintenance Technician Certificate prepares students to quickly step into one of the thousands of maintenance positions currently unfilled in Michigan.

Benefits of training at KCC

TRAINING CLOSE TO HOME

New labs at the College's EAC campus bring training close to home for eastern Calhoun County residents, saving time for students and making training more convenient.

OPEN ENTRY

Registration for Industrial Trades modules is open on a rolling basis, meaning you can sign up and start training at any time after registration opens for the semester.

HANDS-ON LEARNING

Instead of attending classes at specific times in traditional classrooms, Industrial Trades students complete short, hands-on training modules on their own time in actual training lab environments.

**Earn your certificate
in less than a year!**

EASTERN ACADEMIC CENTER

14055 26 Mile Road | Albion, Mi 49224
517-630-8169 | eac@kellogg.edu



kellogg.edu/maintech



KELLOGG COMMUNITY COLLEGE MAINTENANCE TECHNICIAN CERTIFICATE

REQUIRED COURSES AND ELECTIVES

Certificate: 16 credits

All costs are subject to change without notice. Please call 269-965-4137 to verify.

UNIT 15		PRODUCT DESIGN ELEMENTS					
<input type="checkbox"/>	INT 15010-2201	FUNDAMENTALS OF PRINT READING	0.92	22	77.00	247.94	324.94
<input type="checkbox"/>	INT 15030-2201	ELECTRICAL PRINTS	0.29	7	77.00	78.16	155.16
UNIT TOTAL			1.21	29	154.00	326.10	480.10
UNIT 30		ELECTRO-MECHANICAL DEVICES, EQUIPMENT, AND SAFETY					
<input type="checkbox"/>	INT 30010-2201	MANUFACTURING SAFETY	1.00	24	43.00	269.50	312.50
<input type="checkbox"/>	INT 30020-2201	OSHA 10	0.92	22	31.00	247.94	278.94
<input type="checkbox"/>	INT 30040-2201	ARC FLASH LOCKOUT TAGOUT	0.29	7	48.00	78.16	126.16
<input type="checkbox"/>	INT 30060-2201	INTRO TO POWER TRANSMISSIONS	0.13	3	6.00	35.04	41.04
<input type="checkbox"/>	INT 30070-2201	COUPLINGS	0.17	4	11.00	45.82	56.82
<input type="checkbox"/>	INT 30080-2201	CLUTCHES AND BRAKES	0.33	8	10.00	88.94	98.94
<input type="checkbox"/>	INT 30100-2201	V BELT DRIVES	0.25	6	11.00	67.38	78.38
<input type="checkbox"/>	INT 30110-2201	CHAIN DRIVES	0.25	6	13.00	67.38	80.38
<input type="checkbox"/>	INT 30120-2201	SPEED REDUCERS	0.25	6	10.00	67.38	77.38
<input type="checkbox"/>	INT 30140-2201	LUBRICANTS AND LUBRICATION	0.17	4	6.00	45.82	51.82
<input type="checkbox"/>	INT 30160-2201	OILS AND THEIR APPLICATIONS	0.08	2	3.00	21.56	24.56
<input type="checkbox"/>	INT 30230-2201	BEARING INSTALLATION REMOVAL	0.50	12	8.00	134.75	142.75
<input type="checkbox"/>	INT 30320-2201	HAND AND POWER TOOLS	0.67	16	26.00	180.57	206.57
UNIT TOTAL			5.01	120	226.00	1,350.24	1,576.24
UNIT 40		MAINTENANCE SYSTEMS DESIGN AND DEVELOPMENT					
<input type="checkbox"/>	INT 40020-2201	IND MAINTENANCE TROUBLESHOOTING	0.92	22	138.00	247.94	385.94
<input type="checkbox"/>	INT 40030-2201	PREVENTIVE PREDICTIVE MAINTEN	1.25	30	46.00	336.88	382.88
<input type="checkbox"/>	INT 40120-2201	FACTS ABOUT AIR	0.33	8	23.00	88.94	111.94
UNIT TOTAL			2.50	60	207.00	673.76	880.76
ASSESSMENTS							
<input type="checkbox"/>	*INT C450-2201	MSSC MAINTENANCE ASSESSMENT		1.5	80.00	0.00	80.00
TOTAL FOR REQUIRED COURSES			8.72	210.50	667.00	2,350.10	3,017.10

*Module(s) cannot be paid for using certain types of financial aid. Please direct all inquiries to the staff at the EAC registration desk.

ELECTIVES REQUIRED

Additional Industrial Trades electives in: INEL, INHR, INMT, INPF, INRE, INST, INTD, INWE, and INT minus the required INT courses and/or iACT Electives = 7.28 credits

MAINTENANCE TECHNICIAN CERTIFICATE PROGRAM TOTAL CREDITS = 16

FOR OFFICE USE ONLY

Instructor Approval _____ Date _____
Total Credit _____ Total Contact _____ Total Cost _____



NOTE: Some Module(s) cannot be paid for using certain types of financial aid. Please direct all inquiries to the RMT 269-965-4137.

For more information visit
kellogg.edu/albion

ELECTIVE PATHWAYS

MAINTENANCE TECHNICIAN WELDING PATHWAY (16CR)

Course	Course Description	Credits	Req.
INT 15010	Fundamentals of Print Reading	0.92	X
INT 15030	Electrical Prints	0.29	X
INT 30010	Manufacturing Safety	1	X
INT 30020	OSHA 10	0.92	X
INT 30040	Arc Flash, Lockout/Tagout	0.29	X
INT 30060	Intro to Power Transmissions	0.13	X
INT 30070	Couplings	0.17	X
INT 30080	Clutches and Brakes	0.33	X
INT 30100	V Belt Drives	0.25	X
INT 30110	Chain Drives	0.25	X
INT 30120	Speed Reducers	0.25	X
INT 30140	Lubricants and Lubrication	0.17	X
INT 30160	Oils and Their Applications	0.08	X
INT 30230	Bearing Install and Removal	0.5	X
INT 30320	Hand and Power Tools	0.67	X
INT 40020	Troubleshooting	0.92	X
INT 40030	Predictive Maintenance	1.25	X
INT 40120	FACTS ABOUT AIR	0.33	X
INT C450	Maintenance Assessment	0	X
* NOTE* INT total req'd credits = 8.72			
INWE 05010	Welding Shop Safety Rules	0.17	
INWE 05020	Joints Welds Positions	0.13	
INWE 05030	Rules and Squares	0.13	
INWE 15010	Basic Cutting Practices	0.13	
INWE 15020	Cut Ferrous Met W Oxy Fuel	0.33	
INWE 15030	Cutting Metals W Plasma	0.33	
INWE 25020	Electrodes For SMAW	0.21	
INWE 25030	Strike Arc Run Beads	0.67	
INWE 35010	Intro To Metallurgy	0.46	
INWE 35020	Examine Identify Metals	0.13	
INWE 40010	Explaining GMAW	0.29	
INWE 40020	Start Arc Run Beads GMAW	0.17	
INWE 40030	GMAW FCAW Weld All Positions	1.67	
INWE 45010	Explaining GTAW	0.42	
INWE 45020	Start Arc Run Beads GTAW	0.42	
INWE 55010	Welding Blueprint Reading	0.17	
INWE 55020	Fabricating a Project	0.5	
INWE 55030	Cast Iron Repair	0.17	
INWE 55040	Hardsurfacing	0.17	
INWE 55050	Tool and Die Welding	0.67	

MAINTENANCE TECHNICIAN ELECTRICAL PATHWAY (16CR)

Course	Course Description	Credits	Certificates
INT 15010	Fundmtls. of Print Reading	0.92	
INT 15030	Electrical Prints	0.29	
INT 30020	OSHA 10	0.92	OSHA 10 Certificate
INT 30040	Arc Flash, Lockout/Tagout	0.29	
INT 30060	Intro to Power Transmissions	0.13	SACA C-210
INT 30070	Couplings	0.17	
INT 30080	Clutches and Brakes	0.33	
INT 30100	V Belt Drives	0.25	SACA C-210
INT 30110	Chain Drives	0.25	SACA C-210
INT 30120	Speed Reducers	0.25	SACA C-210
INT 30130	Gears	0.25	SACA C-210
INT 30140	Lubricants and Lubrication	0.17	
INT 30160	Oils and Their Applications	0.08	
INT 30230	Bearing Install and Removal	0.5	
INT 30320	Hand and Power Tools	0.67	
INT 40020	Troubleshooting	0.92	
INT 40030	Predictive Maintenance	1.25	
INT 40120	FACTS ABOUT AIR	0.33	
INT 30330	Forklift Safety	0.17	Forklift Certificate
INT 45030	Quality Systems Lean Manu.	0.67	MSSC Quality Assmt..
INT 45040	5S Systems	0.33	MSSC Quality Assmt..
INT 45050	TPM POKA YOKE	0.45	MSSC Quality Assmt..
INT 45060	Lean Visual Workplace Kaizan	0.29	MSSC Quality Assmt..
INEL 05010	Electrical Safety	0.17	
INEL 15050	Multimeters	0.33	SACA C-201
INEL 15060	Ohm's Law	0.33	SACA C-201
INEL 15070	Series Circuits	0.33	SACA C-201
INEL 15080	Parallel Circuits	0.33	SACA C-201
INEL 15090	Combination Circuits	0.33	SACA C-201
INEL 15100	Magnetism	0.25	SACA C-201
INEL 15110	Alternating Current	0.25	SACA C-201
INEL 15130	Inductance	0.42	SACA C-201
INEL 15140	Capacitance	0.42	SACA C-201
INEL 20010	Electrical Motor Controls	0.42	SACA C-202
INEL 20020	Manual Motor Controls	0.5	SACA C-202
INEL 20030	Control Transformers	0.42	SACA C-202
INEL 20040	Control Ladder Logic	0.67	SACA C-202
INEL 20050	Control Relays Motor Starters	0.5	SACA C-202
INEL 20080	Automatic Input Devices	0.42	SACA C-202
INEL 20100	Basic Timer Control	0.33	SACA C-202
INEL 25010	Reversing Motor Control	0.33	SACA C-202