

KCTCS Catalog 2010-2011

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MIT: Industrial Maintenance Technology

<http://legacy.kctcs.edu/catalog//curric/index.cfm>

An understanding of the requirements and opportunities in maintenance, good safety practices, pride in workmanship, and an understanding of the principles and accepted practices of the maintenance trade are covered in this program. Students are trained to hold positions in factories, hospitals, hotels, etc., where multi-skilled maintenance personnel are needed. Included are courses in air conditioning, carpentry, electricity, machine tool, metal fabrication, and welding.

Progression in the Industrial Maintenance Technology program is contingent upon achievement of a grade of "C" or better in each technical course and maintenance of a 2.0 cumulative grade point average or better (on a 4.0 scale).

Certificates

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Fluid Power Mechanic - 4703033129

FPX 100 Fluid Power AND.....3
FPX 101 Fluid Power Lab OR.....2
ET 265 Applied Fluid Power.....(3)
MST 200 Advanced Hydraulic Systems AND.....3
MST 201 Advanced Hydraulic Systems Lab OR.....2
MST 204 Advanced Pneumatic Systems AND.....(3)
MST 205 Advanced Pneumatic Systems Lab.....(2)

Total Credits.....8-10

Industrial Maintenance Machinists Mechanic - 4703033119

BRX 120 Basic Blueprint Reading OR.....3
BRX 110 Basic Blueprint Reading for Machinist OR.....(2)
BRX 112 Blueprint Reading for Machinist OR.....(4)

ET 102 Blueprint Reading.....(2)

IMT 100 Welding for Maintenance AND.....3

IMT 101 Welding for Maintenance Lab OR.....2

WLD 120 Shielded Metal Arc Welding AND.....(2)

WLD 121 Shielded Metal Arc Welding Fillet Lab OR.....(3)

WLD 152 Basic Welding B.....(5)

IMT 115 Maintenance Machining I AND.....2

IMT 116 Maintenance Machining I Lab OR.....5

MTT 114 Fundamentals of Machine Tools OR.....(7)

MTT 110 Fundamentals of Machine Tools -A AND.....(3)

MTT 112 Fundamentals of Machine Tools -B.....(4)

IMT 150 Maintaining Industrial Equipment I.....3

IMT 151 Maintaining Industrial Equipment I Lab.....2

Total Credits.....19-21

Industrial Maintenance Electrical Mechanic - 4703033189

FPX 100 Fluid Power AND.....3

FPX 101 Fluid Power Lab OR.....2

ET 265 Applied Fluid Power.....(3)

IMT 110 Industrial Maintenance Electrical Principles AND.....3

IMT 111 Industrial Maintenance Electrical Principles Lab OR.....2

ENGT 110 Circuits I.....(5)

IMT 220 Industrial Maintenance Electrical Motor Controls I AND.....3

IMT 221 Industrial Maintenance Electrical Motor Controls I Lab OR.....2

EET 270 Electrical Motor Controls I AND.....(2)

EET 271 Electrical Motor Controls I Lab OR.....(3)

ET 244 Electrical Machinery and Controls OR.....(4)

IMT 120 Industrial Maintenance Rotating Machinery AND.....(3)

IMT 121 Industrial Maintenance Rotating Machinery Lab OR.....(2)

EET 264 Rotating Machinery AND.....(2)

EET 265 Rotating Machinery Lab OR.....(2)

IMT 280 Advanced Programmable Logic Controllers AND.....(3)

IMT 281 Advanced Programmable Logic Controllers Lab OR.....(2)

EET 276 Programmable Logic Controllers AND.....(2)

EET 277 Programmable Logic Controllers Lab.....(2)

Total Credits.....12-15

Industrial Maintenance Mechanic Level I - 4703033199

FPX 100 Fluid Power AND.....3

FPX 101 Fluid Power Lab OR.....2

ET 265 Applied Fluid Power.....(3)

IMT 110 Industrial Maintenance Electrical Principles AND.....3

IMT 111 Industrial Maintenance Electrical Principles OR.....2

ENGT 110 Circuits I.....(5)

IMT 150 Maintaining Industrial Equipment I.....3

IMT 151 Maintaining Industrial Equipment I Lab.....2

Total Credits.....13-15

Industrial Maintenance Mechanic Level II - 4703033149

BRX 120 Basic Blueprint Reading OR.....3

BRX 110 Basic Blueprint Reading for Machinist OR.....(2)

BRX 112 Blueprint Reading for Machinist OR.....(4)

ET 102 Blueprint Reading.....(2)

FPX 100 Fluid Power AND.....3

FPX 101 Fluid Power Lab OR.....2

ET 265 Applied Fluid Power.....(3)

IMT 110 Industrial Maintenance Electrical Principles AND.....3

IMT 111 Industrial Maintenance Electrical Principles OR.....2

ENGT 110 Circuits I.....(5)

IMT 100 Welding for Maintenance AND.....3

IMT 101 Welding for Maintenance Lab OR.....2

WLD 120 Shielded Metal Arc Welding AND.....(2)

WLD 121 Shielded Metal Arc Welding Fillet Lab OR.....(3)

WLD 152 Basic Welding B.....(5)

IMT 115 Maintenance Machining I AND.....2

IMT 116 Maintenance Machining I Lab OR.....5
MTT 114 Fundamentals of Machine Tools OR.....(7)
MTT 110 Fundamentals of Machine Tools-A AND.....(3)
MTT 112 Fundamentals of Machine Tools-B.....(4)

Total Credits.....22-26

Associate in Applied Science

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Industrial Maintenance Technology - 4703037019

ENG 101 Writing I.....3
MAT 116 Technical Mathematics OR.....3
MAT 126 Technical Algebra & Trigonometry.....(3)
Science.....3
Heritage/Humanities/Foreign Language.....3
Social Interaction.....3
Oral Communications.....3
Computer Literacy.....3

Subtotal.....21

Technical Core:

BRX 120 Basic Blueprint Reading OR.....3
BRX 110 Basic Blueprint Reading for Machinist OR.....(2)
BRX 112 Blueprint Reading for Machinist OR.....(4)
ET 102 Blueprint Reading.....(2)
FPX 100 Fluid Power AND.....3
FPX 101 Fluid Power Lab OR.....2
ET 265 Applied Fluid Power.....(3)
IMT 110 Industrial Maintenance Electrical Principles AND.....3
IMT 111 Industrial Maintenance Electrical Principles Lab OR.....2
ENGT 110 Circuits I.....(5)
IMT 150 Maintaining Industrial Equipment I.....3
IMT 151 Maintaining Industrial Equipment I Lab.....2

IMT 220 Industrial Maintenance Electrical Motor Controls I AND.....3
 IMT 221 Industrial Maintenance Electrical Motor Controls I Lab OR.....2
 EET 270 Electrical Motor Controls I AND.....(2)
 EET 271 Electrical Motor Controls I Lab OR.....(2)
 ET 244 Electrical Machinery and Controls OR.....(4)
 IMT 120 Industrial Maintenance Rotating Machinery AND.....(3)
 IMT 121 Industrial Maintenance Rotating Machinery Lab OR.....(2)
 EET 264 Rotating Machinery AND.....(2)
 EET 265 Rotating Machinery Lab.....(2)
 IMT 100 Welding for Maintenance AND.....3
 IMT 101 Welding for Maintenance Lab OR.....2
 WLD 120 Shielded Metal Arc Welding AND.....(2)
 WLD 121 Shielded Metal Arc Welding Fillet Lab OR.....(3)
 WLD 152 Basic Welding B.....(5)

Subtotal.....24-29

Technical Electives*:

Subtotal.....18

Total Credits.....60-68

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