



Course Information (Section 4)

College: Western Iowa Tech Community College

Signature Program: Industrial Maintenance –Program Offerings under the I-AM grant from the 2014-2015 Academic Year until majorly revised in fall 2015

*****We will continue to report on the program offerings in place at the time of the I-AM grant as the revisions took effect in fall of 2015 and we are not taking in any new student intakes. Therefore, this should not affect our reporting.**

List of Courses, by Term: *Please provide a listing of all courses for the signature program. List should include the course acronym/number, the course title and should indicate which awards (college issued credentials) the course is part of, for reference in other sections of the curriculum package.*

Course	Title	Awards
SDV 108	The College Experience	Electromechanical Technician Diploma, Electrical Maintenance Technician Certificate, Mechanical Maintenance Technician Certificate
ELE 101	Industrial Safety	Electromechanical Technician Diploma, Electrical Maintenance Technician Certificate, Mechanical Maintenance Technician Certificate
ELE 112	Basic Electrical Theory	Electromechanical Technician Diploma, Electrical Maintenance Technician Certificate
ELT 208	Motor Control	Electromechanical Technician Diploma, Electrical Maintenance Technician Certificate
ELT 250	Programmable Logic Controllers	Electromechanical Technician Diploma, Electrical Maintenance Technician Certificate
ELE 312	Variable Frequency Drives for Motor Control	Electromechanical Technician Diploma, Electrical Maintenance Technician Certificate
EGT 142	Fluid Power I	Electromechanical Technician Diploma, Mechanical Maintenance Technician Certificate
IND 141	Power Transmission	Electromechanical Technician Diploma
EGT 210	Fluid Power III – Intermediate Hydraulics	Electromechanical Technician Diploma, Mechanical Maintenance Technician Certificate



MAT 772	Applied Math	Electromechanical Technician Diploma
BPT 114	Instrumentation I	Electromechanical Technician Diploma
EGT 143	Fluid Power II	Electromechanical Technician Diploma, Mechanical Maintenance Technician Certificate
ELT 102	Blueprint Reading	Electromechanical Technician Diploma
IND 462	Pumps	Electromechanical Technician Diploma, Mechanical Maintenance Technician Certificate
COM 753	Technical Communications	Electromechanical Technician Diploma
MFG 465	Predictive Maintenance-Machine Vibration and Motors	Electromechanical Technician Diploma
MFG 466	Predictive Maintenance-Thermography and Ultrasound	Electromechanical Technician Diploma
WEL 330	Welding Fundamentals	Electromechanical Technician Diploma

College: Western Iowa Tech Community College

Signature Program: Industrial Maintenance – Current Program Offerings as of Fall 2015-2016 – informational only – we are not using these revisions for purposes of the grant

*****The revised and current program is included here. However, as the first two semesters of this revised program have the same course offerings as the old program (the one which the grant participants are under), and we are not taking in any new student intakes, this should not affect our reporting.**

List of Courses, by Term: *Please provide a listing of all courses for the signature program. List should include the course acronym/number, the course title and should indicate which awards (college issued credentials) the course is part of, for reference in other sections of the curriculum package.*

Course	Title	Awards
SDV 108	The College Experience	Electromechanical Specialist Certificate, Electromechanical Technician Diploma, Predictive Maintenance Advanced Certificate-Certificate
ELE 101	Industrial Safety	Electromechanical Specialist Certificate, Electromechanical Technician Diploma, Predictive



		Maintenance Advanced Certificate-Certificate
ELE 112	Basic Electrical Theory	Electromechanical Specialist Certificate, Electromechanical Technician Diploma, Predictive Maintenance Advanced Certificate-Certificate
EGT 142	Fluid Power I	Electromechanical Specialist Certificate, Electromechanical Technician Diploma, Predictive Maintenance Advanced Certificate-Certificate
ELE 195	Motor Control	Electromechanical Specialist Certificate, Electromechanical Technician Diploma, Predictive Maintenance Advanced Certificate-Certificate
IND 141	Power Transmission	Electromechanical Specialist Certificate, Electromechanical Technician Diploma, Predictive Maintenance Advanced Certificate-Certificate
HCR 410	Electrical Applications I	Electromechanical Specialist Certificate, Electromechanical Technician Diploma, Predictive Maintenance Advanced Certificate-Certificate
MAT 772	Applied Math	Electromechanical Technician Diploma, Predictive Maintenance Advanced Certificate-Certificate
BPT 114	Instrumentation I	Electromechanical Technician Diploma, Predictive Maintenance Advanced Certificate-Certificate
EGT 143	Fluid Power II	Electromechanical Technician Diploma, Predictive Maintenance Advanced Certificate-Certificate
EGT 211	Fluid Power III	Electromechanical Technician Diploma, Predictive Maintenance Advanced Certificate-Certificate
ELT 250	Programmable Logic Controllers	Electromechanical Technician Diploma, Predictive Maintenance Advanced Certificate-Certificate



ELT 102	Blueprint Reading	Electromechanical Technician Diploma, Predictive Maintenance Advanced Certificate-Certificate
IND 462	Pumps	Electromechanical Technician Diploma, Predictive Maintenance Advanced Certificate-Certificate
ELE 312	Variable Frequency Drives for Motor Control	Electromechanical Technician Diploma, Predictive Maintenance Advanced Certificate-Certificate
COM 723	Workplace Communications	Electromechanical Technician Diploma, Predictive Maintenance Advanced Certificate-Certificate
MFG 465	Predictive Maintenance-Machine Vibration and Motors	Electromechanical Technician Diploma, Predictive Maintenance Advanced Certificate-Certificate
MFG 466	Predictive Maintenance-Thermography and Ultrasound	Electromechanical Technician Diploma, Predictive Maintenance Advanced Certificate-Certificate

Course Syllabus: *When you submit the completed curriculum package to SharePoint as indicated in the Consortium Memorandum, please provide a copy of each course syllabus or non-credit outline for this program of study. These can be in editable or in pdf format, but each should have a file name that follows the following format:*

Format: College – Signature Program – Program Acronym Number

Example: DMAcc – Welding – WEL228