

# Gateway S.M.A.R.T. Plan

## Associate in Applied Science: Industrial Maintenance Technology - Advanced Manufacturing Technician Track (66-69 Total Credit Hours)

It is the ultimate responsibility of the student to stay current with the curriculum requirements. Note that there may be course changes with future curriculum revisions that affect a change in course requirements listed on this sheet.

### Recommended Semester 1

Courses	Cr	Grade	Offered
BRX 120 Basic Blueprint Reading	3		Fall
ENG 101 Writing I	3		Fall
IMT 110 Industrial Maintenance Electrical Principles	3		Fall
IMT 111 Industrial Maintenance Electrical Principles lab	2		Fall
IMT 1381 Safety Culture (formerly IET 1301)	1		Fall
IMT 1382 5S (formerly IET 1302)	1		Fall
MAT 116 Technical Mathematics (or higher level Quantitative Reasoning course)	3		Fall

### Recommended Semester 2

Courses	Cr	Grade	Offered
Digital Literacy - CIT 105 Introduction to Computers or OST 105 Introduction to Office Systems (or Competency demonstrated by exam)	0-3		Spring
EET 270 Electrical Motor Control I	2		Spring
EET 271 Electrical Motor Control I Lab	2		Spring
FPX 100 Fluid Power	3		Spring
FPX 101 Fluid Power Lab	2		Spring
IMT 150 Maintaining Industrial Equipment I	3		Spring
IMT 151 Maintaining Industrial Equipment I Lab	2		Spring

### Recommended Semester 3

Courses	Cr	Grade	Offered
CMM 110 Fundamentals of Machine Tools	3		Summer
IMT 100 Welding for Maintenance	3		Summer
IMT 101 Welding for Maintenance Lab	2		Summer
IMT 1383 Total Production System Maintenance (formerly IET 1303)	1		Summer

### Recommended Semester 4

Courses	Cr	Grade	Offered
EET 272 Electrical Motor Controls II	2		Fall
EET 273 Electrical Motor Controls II Lab	2		Fall
Heritage or Humanities General Education course (rec: HIS 240 History of Kentucky)	3		Fall
IMT 200 Industrial Robotics and Robotic Maintenance	4		Fall



Courses	Cr	Grade	Offered
Natural Science General Education course (rec. PHY151 Introductory Physics)	3		Fall

### Recommended Semester 5

Courses	Cr	Grade	Offered
COM 181 Basic Public Speaking <b>or</b> COM 252 Introduction to Interpersonal Communication	3		Spring
EET 276 Programmable Logic Controllers	2		Spring
EET 277 Programmable Logic Controllers Lab	2		Spring
IMT 1384 Problem Solving (formerly IET 1304)	1		Spring
IMT 1385 Maintenance Reliability (formerly IET 1305)	1		Spring
IMT 289 Capstone	1		Spring
Social/Behavioral Science General Education course (rec. COM 254 Introduction to Intercultural Communication)	3		Spring

### Notes

- \* Other courses substituted at the discretion of the program coordinator.
- Progression in the program is contingent upon achievement of a grade of C or greater in each technical course, (including those selected as technical electives), and maintenance of a 2.0 cumulative GPA or above (on a 4.0 scale).
- At least 25 percent of the approved curriculum for any certificate, diploma or degree must be completed at the student's home college.

Updated 11/1/21

