

AIIT Curriculum – Modules per Course

- **AIT 100 Power Generation and Utilization** **4 credits**
 - AIT 1001 Basic Electrical Knowledge 2 credits
 - AIT 1002 Power Development 1 credit
 - AIT 1003 Hydraulic/Pneumatic Fundamentals 1 credit

- **AIT 110 Power Distribution Systems** **3 credits**
 - AIT 1101 Electrical Power Distribution 1.5 credit
 - AIT 1102 Fluid Power Distribution 1.5 credit

- **AIT 120 Equipment Installation** **3 credits**
 - AIT 1201 Electrical Installation 1 credit
 - AIT 1202 Piping, Pneumatic, & Installation 1 credit
 - AIT 1203 Mechanical Installation 1 credit

- **AIT 130 Measurement and Instrumentation** **4 credits**
 - AIT 1301 General Measurement and Introduction to Instrumentation 1 credit
 - AIT 1302 Quality Control and SPC 2 credits
 - AIT 1303 Quality Systems 1 credit

- **AIT 140 Industrial Controls I** **4 credits**
 - AIT 1401 Basic Electrical Controls 2 credits
 - AIT 1402 Basic Pneumatic Controls 1 credit
 - AIT 1403 Basic Hydraulic Controls 1 credit

- **AIT 150 Industrial Controls II** **4 credits**
 - AIT 1501 Intermediate Electrical Controls 2 credits
 - AIT 1502 Intermediate Pneumatic Controls 1 credit
 - AIT 1503 Intermediate Hydraulic Controls 1 credit

- **AIT 160 Workplace Safety** **1 credit**

- **AIT 200 Integrated Process Control** **4 credits**
 - AIT 2001 Elements of Integrated Process Control Sub-systems 2 credit hours
 - AIT 2002 Integrated Dynamics of Process Control Systems 2 credit hours

- **AIT 210 Advanced Equipment Maintenance** **4 credits**
 - AIT 2101 Predictive/Preventive Maintenance and Lubrication 1.1 credits
 - AIT 2102 Power Transmission Systems 1.3 credits
 - AIT 2103 Advanced Mechanical 1.6 credits

- **AIT 290 Selected Topics in AIIT** **0.1-5 credits**
- **MTT 110 Fundamentals of Machine Tools** **3 credits**

- **EET 276 Programmable Logic Controllers** **2 credits**
- **EET 277 Programmable Logic Controllers Lab** **2 credits**

- **IMT 100 Welding for Maintenance** **3 credits**
- **IMT 101 Welding for Maintenance Lab** **2 credits**

- **ACR 100 Refrigeration Fundamentals** **3 credits**
- **ACR 101 Refrigeration Fundamentals Lab** **2 credits**