

ADVANCED INTEGRATED TECHNOLOGY - AAS

Offered at: Madisonville Community College

Program Plan Number: 1504997019

Course	Title	Credits
Required General Education		
Select one of the following three options:		3
MAT 126	Technical Algebra and Trigonometry	
MAT 150	College Algebra	
Higher MAT course		
PHY 151 & PHY 161 or PHY 171	Introductory Physics I and Introductory Physics I Laboratory Applied Physics	4
ENG 101 or ENG 105	Writing I Writing: An Accelerated Course	3
Social/Behavioral Science course		3
Heritage/Humanities course ¹		3
Subtotal		16
Technical Core		
AIT 100	Power Generation and Utilization	4
AIT 110	Power Distribution Systems	3
AIT 120	Equipment Installation	3
AIT 130	Measurement and Instrumentation	4
AIT 140	Industrial Controls I	4
AIT 150	Industrial Controls II	4
AIT 210	Advanced Equipment Maintenance	4
AIT 270	Introduction to Robotics and Programmable Logic Controllers	2
Subtotal		28
Technical Courses		
Advanced Integrated Technology Elective Courses ²		16
Total Credits		60

¹ HIS 107 Western Culture: Science and Technology II (3 credit hours) suggested

² Advanced Integrated Technology approved elective list (<https://catalog.kctcs.edu/programs-of-study/aas/advanced-integrated-technology/#technicalelectivestext>)

Demonstration of digital literacy is required for the AAS degree.