



Advanced Integrated Technology Associate in Applied Science

Advanced Industrial Integrated Technology

FIRST YEAR COURSE SCHEDULE				
	Fall Semester	Credits	Spring Semester	Credits
	ENG 101-Writing I	3	Social/Behavioral Sciences	3
	MAT 126-Technical Algebra & Trig. or higher	3	Heritage/Humanities	3
	PHY 171-Applied Physics	4	AIT 110-Power Distribution Systems	3
	AIT 100-Power Generation & Utilization	4	AIT 120-Equipment Utilization	3
	AIT 160-Work Place Safety	1	AIT 1401-Basic Electrical Controls (1 st term)	2
			AIT 1402-Basic Pneumatic Controls (2 nd term)	1
			AIT 1403-Basic Hydraulic Controls (3 rd term)	1
	Total Credit Hours	15	Total Credit Hours	16

SUMMER SEMESTER – AIT 290: Credit hours will vary**

SECOND YEAR COURSE SCHEDULE				
	Fall Semester	Credits	Spring Semester	Credits
	AIT 130-Measurment & Instrumentation	4	AIT 270-Intro to Robotics & Programmable Logic Controllers	2
	AIT 1501-Interm. Electrical Controls (1 st Term)	2	AET 250-PLC Networking	4
	AIT 1502-Interm. Pneumatic Controls (2 nd Term)	1	IMT 100-Welding for Maintenance	3
	AIT 1503-Interm. Hydraulic Controls (3 rd Term)	1	IMT 101-Welding for Maintenance Lab	2
	AIT 210-Advanced Equipment Maintenance	4	Digital Literacy*	3
	AET 190-Industrial Computer Programming Concepts	4	AIT 290** (credit hours may vary)	2
	Total Credit Hours	16	Total Credit Hours	16

*Computer/Digital Literacy must be demonstrated either by competency exam or by completing a computer/literacy course. If a student successfully tests out of a computer/digital literacy course, he/she must choose a general education elective for the completion of the three (3) hours.

** Timing of AIT 290 will depend on Braidy Industries' schedule as well as the student's schedule.