



AAS Degree – Mechatronics

Core Educational Requirements 23 credits	College Success Strategies ORI 100 1 credit	English Composition COM 121 or 122 3 credit	Humanities Elective 3 credit	The Environment ENV 130 or 131 3 credit
	Math Trigonometry MAT 165 or Calculus 3 credit	Applied Physics or Physics I PHY 150 or 250 or Calculus-based Physics 4 credit	Business Communications or Technical Writing BUS 06 or COM141 3 credit	The Individual & Society SOC 125 3 credit
Mechanical/ Fluid Engineering 12 credits	Industrial Mechanics 1 5 credit	Industrial Mechanics 2 6 credit		
	Introduction to Shop Machinery 1 credit			
Electrical/ Electronic Engineering 8 credits	Industrial Electrical 4 credit	Industrial Electrical 2 4 credit		
Systems & Process Control Engineering 18 credits	Manufacturing Fundamentals 4 credit		Robotics & Motion Control 4 credit	Integrated Manufacturing Systems 3 credit
			Process Control & Instrumentation 3 credit	Capstone Class Application Project: Packaging 4 credit
Computer Science & Engineering 14 credits	Microcomputer Applications 3 credit	Introduction to PLCs Part 1 AB SLC500 2 credit	Advanced PLCs AB ControlLogix or Siemens 57 4 credit	PC Installation & Maintenance 3 credit
		Introduction to PLC's Part 2 SLC500 2 credit		
75 credits total	1	2	3	4
	Semester			

note: blue boxes are part of the AMIST-1 program, beige boxes are part of AMIST-2