ASSOCIATE OF APPLIED SCIENCE DEGREE ADVANCED MANUFACTURING: AUTOMATION-ROBOTICS

Recommended Program of Study

Fall Semester	FIRST YEAR:		
ENGL 101 English Composition I* (or ENGL 100) 3	Fall Semester		Hours
MATH 111 College Algebra* (or MATH 104, Technical Math*) 3 AMT 111 Introduction to Industrial Safety 1 AMT 102 Introduction to Industrial Electricity* (1st 8-Weeks) 3 AMT 104 Electrical Motor Control* (2nd 8-Weeks) 3 TOTAL 14 Spring Semester Hours ENGL 102 English Composition II* (or ENGL 101, 203) 3 BSAD 125 Computer Applications* 3 AMT 142 Mechanical Power* 3 AMT 204 Programmable Logic Controllers (PLC) I* (1st 8-Weeks) 3 AMT 206 Programmable Logic Controllers (PLC) II* (2nd 8-Weeks) 3 TOTAL 15 SECOND YEAR: Fall Semester Hours SPCH 101 Fundamentals of Speech 3 BSAD 103 Professional Development 2 WELD 113 Introduction to Welding* 3 AMT 132 Industrial Hydraulics* 3 CNS 101 Introduction to Electronics 3 CNS 115 </td <td></td> <td><u> </u></td> <td></td>		<u> </u>	
AMT 111 Introduction to Industrial Safety 1 AMT 102 Introduction to Industrial Electricity* (1st 8-Weeks) 3 AMT 104 Electrical Motor Control* (2nd 8-Weeks) 3 TOTAL 14 Spring Semester Hours ENGL 102 English Composition II* (or ENGL 101, 203) 3 BSAD 125 Computer Applications* 3 AMT 142 Mechanical Power* 3 AMT 204 Programmable Logic Controllers (PLC) II* (1st 8-Weeks) 3 AMT 206 Programmable Logic Controllers (PLC) II* (2nd 8-Weeks) 3 TOTAL 15 SECOND YEAR: Fall Semester Hours SPCH 101 Fundamentals of Speech 3 BSAD 103 Professional Development 2 WELD 13 Introduction to Welding* 3 AMT 132 Industrial Hydraulics* 3			
AMT 102 Introduction to Industrial Electricity* (1st 8-Weeks) 3 AMT 104 Electrical Motor Control* (2nd 8-Weeks) 3 TOTAL 14 Spring Semester Hours ENGL 102 English Composition II* (or ENGL 101, 203) 3 BSAD 125 Computer Applications* 3 AMT 142 Mechanical Power* 3 AMT 204 Programmable Logic Controllers (PLC) II* (1st 8-Weeks) 3 AMT 206 Programmable Logic Controllers (PLC) II* (2nd 8-Weeks) 3 TOTAL 15 SECOND YEAR: Fall Semester Hours SPCH 101 Fundamentals of Speech 3 BSAD 103 Professional Development 2 WELD 113 Introduction to Welding* 3 AMT 132 Industrial Hydraulics* 3 CNS 101 Introduction to Electronics 3 CNS 115 Cisco N		,	
AMT 104 Electrical Motor Control* (2nd 8-Weeks) TOTAL 14			
Spring Semester			
Spring Semester Hours ENGL 102 English Composition II* (or ENGL 101, 203) 3 BSAD 125 Computer Applications* 3 AMT 142 Mechanical Power* 3 AMT 204 Programmable Logic Controllers (PLC) I* (1st 8-Weeks) 3 AMT 206 Programmable Logic Controllers (PLC) II* (2nd 8-Weeks) 3 **TOTAL** 15 **SECOND YEAR: **Fall Semester Hours **SPCH 101 Fundamentals of Speech 3 BSAD 103 Professional Development 2 WELD 113 Introduction to Welding* 3 AMT 132 Industrial Hydraulics* 3 CNS 101 Introduction to Electronics 3 CNS 101 Introduction to Electronics 3 CNS 105 Cisco Networking I TOTAL 17 **Spring Semester Hours HIST 106 American History (or PLSC 103) 3 DRFT 101 Introduction to Engineering Drawing 3 AMT 182 <th>AMI 104</th> <th>•</th> <th></th>	AMI 104	•	
ENGL 102 English Composition II* (or ENGL 101, 203) 3 BSAD 125 Computer Applications* 3 AMT 142 Mechanical Power* 3 AMT 204 Programmable Logic Controllers (PLC) II* (1st 8-Weeks) 3 AMT 206 Programmable Logic Controllers (PLC) II* (2nd 8-Weeks) 3 TOTAL 15 SECOND YEAR: Fall Semester Hours SPCH 101 Fundamentals of Speech 3 BSAD 103 Professional Development 2 WELD 113 Introduction to Welding* 3 AMT 132 Industrial Hydraulics* 3 CNS 101 Introduction to Electronics 3 CNS 101 Introduction to Electronics 3 CNS 115 Cisco Networking I TOTAL 17 Spring Semester Hours HIST 106 American History (or PLSC 103) 3 AMT 182 Introduction to Engineering Drawing 3 AMT 182 Introduction to Automated Robotics* 3 AMT 284 Automated Robotic Programming* 3 AMT 290 AMT Internship* 3 TOTAL 15		TOTAL	14
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AMT 290 AMT Internship* 3 TOTAL 15	AMT 182	Introduction to Automated Robotics*	
TOTAL 15	AMT 284	Automated Robotic Programming*	
	AMT 290	AMT Internship*	3
TOTAL HOURS REQUIRED 61		TOTAL	15
		TOTAL HOURS REQUIRED	61

*Prerequisite required