



2021-2022 Certificate

Certificate: **ADVANCED MANUFACTURING SPECIALIST (90-664-2)**

Credits: **22 Credits**

Description: The Advanced Manufacturing Specialist certificate provides students with the opportunity to acquire specialized skills for manufacturing systems using Rockwell Automation products. Students investigate industrial automation principles, controllers, networks, visualization, AC drives/motors, instrumentation, and machine safety. They achieve professional competency in accelerating team performance, communications, navigating change, managing conflict, and presentation skills. Graduates of the program are certified by Rockwell Automation in these technical and professional areas.

Related program: Advanced Manufacturing Technician

Campuses Available: SC Johnson iMET Center

REQUIRED COURSES

<input checked="" type="checkbox"/>	<u>Semester One</u>	<u>Credits</u>	<u>Prerequisite</u>	<u>Corequisite</u>
<input type="checkbox"/>	664-100 Introduction to Industrial Control Systems	2		
<input type="checkbox"/>	664-110 Introduction to Mechatronics	2		
<input type="checkbox"/>	664-103 Motor Controls for Manufacturing	3		
<input type="checkbox"/>	664-105 Introduction to Industrial Robotics	2		
<input type="checkbox"/>	664-104 Industrial Control System Applications	2		
<input type="checkbox"/>	664-120 Intro to Industrial Internet of Things	2		
<input type="checkbox"/>	664-119 Advanced Manufacturing Network Systems	3		
<input type="checkbox"/>	664-113 Leadership for Advanced Manufacturing	3		
<input type="checkbox"/>	664-118 PLC and HMI Programming	3		
	Total Credits	22		

ADMISSION REQUIREMENTS

Students must submit official high school, GED, or HSED transcript including a graduation or passing date.

NOTE: Students must complete a certificate program with a minimum of a 2.0 Program GPA.