

CERTIFICATE IN SYSTEMS OPERATIONS

The Systems Operations certificate exposes students to the variety of modern automated manufacturing systems across different industries while focusing on applications of maintenance and quality control in manufacturing. Students completing this certificate will acquire knowledge and skills in process evaluation, statistical process control, documentation, continuous improvement, lean manufacturing, procedures, and predictive and preventive maintenance processes. These courses will prepare students for entry-level jobs as operations technicians in manufacturing environments.

Code	Title	Hours
Mechatronics Core Courses		11
MEC 101	Industrial Safety	
MEC 110	Instrumentation and Industrial Measurement	
MEC 140	AC and DC Fundamentals and Circuits	
ET 200	Manufacturing Processes	3
MEC 230	Preventive Maintenance	3
MEC 280	Industrial Quality Control	3
Total Hours		20