

**Certificate of Graduate Study in Integrated Manufacturing Systems**  
**Industrial & Systems Engineering**  
**Northern Illinois University**



Name \_\_\_\_\_ Student ID \_\_\_\_\_

Address \_\_\_\_\_ Phone \_\_\_\_\_

City \_\_\_\_\_ State/Zip \_\_\_\_\_ Email \_\_\_\_\_

Major \_\_\_\_\_

Courses taken to meet the requirements of any certificate offered in the College of Engineering and Engineering Technology may be applied toward an M.S. degree in Industrial and Systems Engineering as long as all the other requirements of the degree are met. Only courses taken at NIU for graduate credit may be applied toward a certificate. **Students must achieve a minimum of a B in each course applied toward all certificates.** Students in catalog year Fall 2019 and later are eligible to use the courses below for this certificate.

Integrated Manufacturing Systems Certificate is a course of study that develops expertise in design and control of integrated manufacturing systems.

Interested students may apply during the semester in which they will complete the last of the four (4) courses they have chosen for the certificate. Application should be submitted to the ISYE office. Please contact the Department of Industrial and Systems Engineering (815)753-1282 with any questions.

**Complete 4 of the following:**

<u>COURSES</u>	<u>COURSE TITLES</u>	<u>SEMESTER COMPLETED/GRADE</u>	
ISYE 535	Experimental Design for Engineering (3)		
ISYE 540	Production Planning and Control (3)		
ISYE 550	Lean Manufacturing Systems (3)		
ISYE 560	Facilities Planning and Design (3)		
ISYE 580	Simulation Modeling and Analysis		
ISYE 582	Engineering Information Systems		
ISYE 640	Advanced Production & Planning Control (3)		
ISYE 650	Advanced Lean Manufacturing Systems (3)		

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**Student Signature**

\_\_\_\_\_  
**ISYE Department Signature/Chair**

\_\_\_\_\_  
**Date to Graduate School**