

# MANUFACTURING ENGINEERING TECHNOLOGY - INDUSTRIAL INTERNET OF THINGS (IIOT), SHORT TERM TECHNICAL CERTIFICATE

1. Communicate IIoT concepts and applicability, in technical and non-technical environments
2. Function effectively as a member of a technical team

## ***Catalog Addendum (Added to Catalog after publication):***

Curriculum Code #6241

Effective September 2019

Division of Engineering, Business and Information Technologies (<http://catalog.lorainccc.edu/previous-catalogs/2019-2020/academic-programs/engineering-business-information-technologies>)

This short term certificate provides the student with a quality, relevant technical education and applied technical training in the basic installation, building, operation, maintenance, and selection of Industrial Internet of Things (IIoT) devices and systems. Lorain County Community College has articulation agreements with colleges and universities including programs offered by LCCC's University Partnership.

| Fall Semester   |  | Hours |
|-----------------|--|-------|
| AETC 121        | PROGRAMMABLE LOGIC CONTROLLERS             | 3     |
| CYBR 110        | FUNDAMENTALS OF INTERNET OF THINGS (IOT)   | 4     |
| IIOT 120        | PROGRAMMING ESSENTIALS                     | 5     |
| SDEV 101        | COLLEGE 101 <sup>1</sup>                   | 1     |
| Hours           |  | 13    |
| Spring Semester |  | Hours |
| IIOT 130        | IIOT SENSORS <sup>2</sup>                  | 4     |
| IIOT 140        | IIOT PRIVACY, SECURITY, AND CLOUD SERVICES | 4     |
| IIOT 220        | PROGRAMMING EMBEDDED SYSTEMS <sup>2</sup>  | 4     |
| Hours           |  | 12    |
| Total Hours     |  | 25    |

<sup>1</sup> A student must register for the orientation course when enrolling for more than six credit hours per semester or any course that would result in an accumulation of 13 or more credit hours.

<sup>2</sup> Indicates that this course has a prerequisite or may be taken concurrently.

Program Contact(s):

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For information about admissions, enrollment, transfer, graduation and other general questions, please contact your advising team (<https://www.lorainccc.edu/admissions-and-enrollment/advising-and-counseling>).