

Other Certifications

Version 1

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Seneca is offering students the opportunity to earn a variety of globally recognized industry certificates as part of their academic curriculum. These certifications validate students' skills and knowledge in key areas of Industry 4.0 beyond mechatronics, including the Internet of Things, cloud computing, and robotic automation.

What are the certificates and how to obtain them?

EMA students must take a specific course and either achieve a minimum overall mark or pass the comprehensive exam.

1. Basic of Automation
 - Achieve a **minimum** overall mark of **60%** in **Control Systems Fundamentals (CSF453)**
2. Totally Integrated Automation
 - Achieve a **minimum** overall mark of **60%** in **Totally Integrated Automation (TIA555)**
3. IIoT – Industrial Internet of Things
 - Successfully complete **Industrial Internet of Things (IOT555)**
4. Robot Programming I
 - Achieve a **minimum** overall mark of **60%** in **Robotics Basics (ROB555)**
5. Robot Applications
 - Achieve a **minimum** overall mark of **60%** in **Robotic Applications (ROB655)**
6. Azure – Cloud basics
 - Successfully complete **Cloud and Manufacturing Data Analytics (CMA)** and achieve a **minimum mark** of **70%** in the **Final exam** (Azure Cloud certificate exam from Microsoft)
7. Eplan CAD fundamentals
 - Successfully complete **Electrical Designs and Drawings (CAD355)** and **pass** the **Eplan Certified Student (ECS)** exam.

