Course	Minimum entry requirement	Mode of study & duration
Level 1	1. Diploma in Electrical, Mechanical or Mechatronics engineering.	Mode of study: Full & Part time Intake: January, April, July, October
	2. Ongoing students of Bsc. Electrical, Mechanical or Mechatronics from 2nd year. (OR) Equivalent academic qualification recognized by DeKUT senate.	18 days: 12 days theory and 6 days practical
Level 2	Pass level 1 or SMSCP entry exams.	24 days: 6 days theory and 18 days practical
Level 3	Pass level 2 or SMSCP entry exams.	30 days: Project implementation and Documentation

SIEMENS MECHATRONIC CERTIFICATION CENTRE

Welcome to the pioneering Siemens Mechatronic Certification Centre in Africa. We are located at Dedan Kimathi University of Technology (Main campus), Nyeri County.

Since 2016, we have offered Siemens Mechatronic Systems Certification Program (SMSCP), an international industry standard, comprehensive skills certificate in mechatronic systems, in partnership with Siemens SITRAIN Germany.

Here, we strive to be at the forefront of the national embrace of Industry 4.0 Technologies.

This Centre is also accredited by the Engineers Board of Kenya (EBK), to offer SMSCP as a Continuing Professional Development (CPD) for registered professional engineers and also engineering consulting firms.

TRAINING STRATEGY

A world leader in mechatronic engineering & industrial automation, Siemens AG has collaborated with Dedan Kimathi University of Technology to address a global demand of mechatronic engineering skills for the Industry 4.0 revolution. Our strategy therefore is training on Virtual Reality, Augmented Reality, Mixed Reality and Extended Reality, to compliment the trainee's required theoretical knowledge and practical skills.

SIEMENS MECHATRONIC SYSTEMS CERTIFICATION PROGRAM (SMSCP)

The fundamental objective is to limit unemployment by lack of skills among the Kenyan youth in the engineering field. From students, graduate engineers, to the employed professionals, SMSCP offers to equip them with the best occupationally directed skills.

This Program is designed to be integrated into existing forms of study, and is divided into three levels.

SMSCP Level 1

Course 1: Electrical Components

Course 2: Mechanical Components and Electrical Drives

Course 3: (Electro) Pneumatic and Hydraulic Circuits

Course 4: Digital Fundamentals and PLCs

SMSCP Level 2

Course 1: Process control technologies

Course 2: Introduction to Totally Integrated Automation

Course 3: Automation systems

Course 4: Motor control

Course 5: Mechanics and machine elements

Course 6: Manufacturing processes

SMSCP Level 3

Project in the following Industrie 4.0 areas:

- Virtual reality
- Augmented reality
- Mixed reality
- Extended reality