



DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY

Better life through technology

SIEMENS MECHATRONIC SYSTEMS CERTIFICATION PROGRAM (SMSCP)

Main Email: siemens@dkut.ac.ke

Alternative email: jean.bviringiro@siemens-certifications.com

Dedan Kimathi University of Technology (DeKUT) is a Chartered Public University that has two campuses: The Main Campus located within Nyeri County, 160 kilometers North of Nairobi City and Nairobi Campus located on the 2nd, 9th and 13th floor of Pension Towers, Loita street.

DeKUT is under legal notice no. 162 of 2007 mandated to:

- Collaborate with other institutions in furtherance of its objectives as an education institution.
- Participate in the discovery, transmission, preservation and enhancement of knowledge and to stimulate the intellectual participation of students in the economic, technological, scientific, profession and cultural development.
- Provide and advance university education and training to appropriately qualified candidates leading to the conferment of degrees, diplomas, certificates and awards and in so doing contribute to manpower needs.

We invite applications from suitably qualified applicants for the Siemens Mechatronics Systems Certification Program (SMSCP)

Program information

Manufacturing, packaging and other systems are becoming more complex and pervasive, and more knowledge is required to design, operate and maintain them than ever before. Complex mechatronic systems are the nexus of mechanical, electrical, and computerized technologies. There is a growing need for qualified people in our country with up-to-date knowledge of integrated mechatronic systems. A world leader in mechatronic engineering,

Siemens AG has responded to this need by creating an industry certification program that will help students, workers, industries, teachers and institutions.

SMSCP's technical content focuses on key industrial skill areas, such as electrical components, sensors, motor controls, PLCs, and hydraulics and pneumatics. In addition to teaching the technical knowledge, SMSCP stresses trouble-shooting and system-based technical thinking via hands-on training. This technical training, paired with our certifications, creates well-grounded workers that can easily meet the challenges of high tech and advanced manufacturing industries.

Siemens Technik Akademie administrates the program and works with partner institutions worldwide to implement the program. Regardless of where on the globe your people live and work, a Siemens certification will signify their world-class technical training.



The Siemens Mechatronic Systems Certification Program is designed to be integrated into existing forms of study and is divided into three levels.

Level 1 (Siemens Certified Mechatronic Systems Assistant)

Level 2 (Siemens Certified Mechatronic Systems Associate)

Level 3 (Siemens Certified Mechatronic Systems Professional)

Level 1 consists of Four standardized courses;

- Course 1: *Electrical Components*
- Course 2: *Mechanical Components and Electrical Drives*
- Course 3: *(Electro) Pneumatic and Hydraulic Control Circuits*
- Course 4: *Digital Fundamentals and PLCs*

Duration: 12 days
 8 Days: Theories (Nairobi Campus)
 4 Days: Practicals (Main Campus)

Level 2 consists of Six standardized courses;

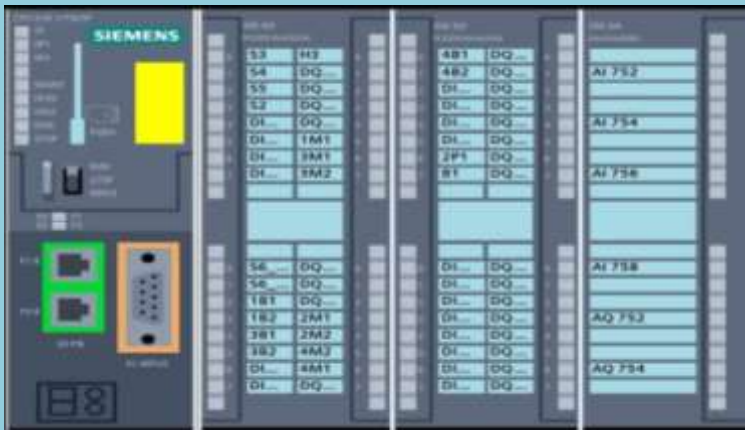
- Course 1: *Process control technologies*
- Course 2: *Introduction to Totally Integrated Automation*
- Course 3: *Automation systems*
- Course 4: *Motor control*
- Course 5: *Mechanics and machine elements*
- Course 6: *Manufacturing processes*

Duration: 18 days
 6 Days: Theories (Main Campus)
 12 Days: Practicals (Main Campus)

Level 3 consists of Two standardized courses;

- Course 1: *Project and Process Management*
- Course 2: *Mechatronic System Project*

Duration: 24 days
 4 Days: Theories (Main Campus)
 20 Days: Practicals (Main Campus)



Course	Minimum entry requirements	Mode of study and intakes
Level 1	Diploma in Electrical, Mechanical or Mechatronics Engineering OR Ongoing students in Bsc. Electrical, Mechanical or Mechatronics engineering in second year of study and above OR Equivalent academic qualification recognized by DeKUT senate.	Mode of study: Fulltime and part time. Intake: January, April, July, October
Level 2	Pass in Level 1 OR Pass in SMSCP Entry examination	Mode of study: Fulltime and part time. Intake: February, May, August, November
Level 3	Pass in level 2	Mode of study: Fulltime and part time. Intake: March, June, September, December

MODE OF APPLICATION

Application forms can be obtained from Dedan Kimathi University of Technology Main Campus and Nairobi Campus or downloaded from the University website as provided below:

- Application forms
- Admission materials

Complete the application form and submit it upon payment of a non-refundable fee Ksh.1, 000, to any of the following bank accounts:

- Standard Chartered Bank** -Acc No: 0102045131203, Nyeri
- Kenya Commercial Bank** -Acc No: 1121318274, Nyeri
- Consolidated Bank** -Acc No: 0120025172901, Nyeri.
- Equity Bank** -Acc No: 1150297300480, Nyeri.
- Family Bank** -Acc No: 055000028807, Nyeri

Registrar (Academic Affairs)
 P.O. Box 657 – 10100, Nyeri
 Cell: 0713 835 965, 0713 123 021
 Tel: 061- 2050000
 Email: registraraa@dkut.ac.ke
marketing@dkut.ac.ke

Director, Nairobi Campus
 Pension Towers 2nd,9th and 13th floor, Loita Street.
 Cell: 0710 127 516
 Email: directornairobi@dkut.ac.ke

Dean, school of engineering
 P.O. Box 657-10100
 Nyeri
 Cell: 0716150627
 Email: schoolofengineering@dkut.ac.ke