

Diploma in Analytical Chemistry (vocational)

Intake: May
Duration: 8 terms
Qualifications: C+ and above and C- in Maths, English, Chemistry and any other Science/ relevant certificate
Exams: Kenya National Examinations Council

Diploma in Industrial Chemistry (vocational)

Intake: May
Duration: 9 terms
Qualifications: C+ and above and C- in Maths, English, Chemistry and any other Science/ relevant certificate
Exams: Kenya Polytechnic University College

Higher Diploma in Analytical Chemistry (part time)

Intake: September
Duration: 6 terms
Qualifications: Diploma in Analytical Chemistry/ Industrial Chemistry
Exams: Kenya Polytechnic University College

PROPOSED COURSES

1. Department of Biochemistry and Biotechnology

- **Diploma in Technology:**
 - Biotechnology
 - Biochemistry
- **Bachelor of Science in Biochemistry**
- **Bachelor of Technology in Bioinformatics**

2. Department of Biological Sciences and Technology

- **Diploma in Technology in:**
 - Applied Biology
 - Industrial Microbiology

- **Bachelor of Technology in:**
 - Industrial Microbiology
 - Science Laboratory Technology
 - Applied Biology

3. Department of Chemical Science and Technology

- **Diploma in Technology in:**
 - Analytical Chemistry
 - Industrial Chemistry
- **Bachelor of Technology in:**
 - Analytical Chemistry
 - Industrial Chemistry
 - Pharmaceutical Chemistry

4. Department of Earth and Atmospheric Science Technology

- **Diploma in Technology in:**
 - Earth Science Technology
 - Atmospheric Science Technology
 - Meteorology and Global Climate
- **Bachelor of Science in:**
 - Atmospheric Science
 - Earth Science

5. Department of Environmental Science and Technology

- **Diploma in Technology in:**
 - Environmental Science and Technology
 - Environmental Resource Management
- **Bachelor of Science in:**
 - Environmental Science and Technology

- Environmental Resource Management

6. Department of Food Science and Technology

- **Diploma in Technology in:**
 - Food Science Technology
 - Food Packaging Technology
- **Bachelor of Technology in:**
 - Food Science Technology
 - Food Industry and Business

7. Department of Mathematics and Statistics

- **Diploma in Technology in:**
 - Applied Statistics
 - Actuarial Science
- **Bachelor of Technology in:**
 - Applied Mathematics
 - Applied Statistics
 - Actuarial Science

8. Department of Technical and Applied Physics

- **Diploma in Technology (Applied Physics)**

For more information, please contact:
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THE KENYA POLYTECHNIC
UNIVERSITY COLLEGE



School of Applied
Sciences and
Technology

Welcome to the School of Applied Science and Technology (SAST). The Department of Applied Sciences that gave rise to SAST has a long history beginning with the founding of The Kenya Polytechnic in 1960. Since its inception, the original department experienced tremendous growth and expansion due to increase in demand of courses offered and it became necessary to convert some sections into independent departments. The restructuring gave rise to the Department of Health Science and Biotechnology that has since transformed into School of Health Sciences and Technology and the department of Mathematics. With the move towards offering Degrees in Technology, the Department was upgraded to a School in November 2008.

SAST is a progressive unit of the Kenya Polytechnic University College. It provides academic research and service opportunities relating to the application of Science and Technology to the educational and business communities. Be it that you are a college student or an individual searching for advancement in your field through certificate, Diploma, Higher National Diploma or a Degree, we are here for you.

If your desire is to work in a stimulating, highly-dynamic and practical environment, science and technology fields, KPUC is your university. SAST has served as a connector and integrator of Kenya Polytechnic's teaching and research efforts in Applied Science and Technology.

SAST is designed to train students to excel in applied science as well as having a broad knowledge of other disciplines.

COURSES OFFERED IN THE SCHOOL

Department of Biochemistry and Biotechnology

Diploma in Biotechnology

Intake:	September
Duration:	3 years – (9 terms)
Qualifications:	C+/relevant Certificate course
Exams:	Kenya Polytechnic University College

Higher Diploma in Biotechnology (Molecular & Biochemistry opt)

Intake:	September
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Duration:	5 semesters
Qualifications:	Diploma in Biological and related sciences
Exams:	Kenya Polytechnic University College

Higher Diploma in Biotechnology (Medical opt)

Intake:	May
Duration:	5 semesters
Qualifications:	Diploma in Biological and related sciences
Exams:	Kenya Polytechnic University College

Higher Diploma in Biotechnology (Industrial opt)

Intake:	May
Duration:	5 semesters
Qualifications:	Diploma in Biological and related sciences
Exams:	Kenya Polytechnic University College

Department of Biological Science and Technology

SLT (Vacational)

Intake:	April
Duration:	5 vacations
Qualifications:	C- and above
Exams:	Kenya Polytechnic University College

Pre-tech Biology

Intake:	April, August, December
Duration:	6 weeks
Qualifications:	C-, D and above
Exams:	Kenya Polytechnic University College

Pre-tech English

Intake:	April, August, December
Duration:	6 weeks
Qualifications:	C-, D and above
Exams:	Kenya Polytechnic University College

Diploma in Applied Biology

Intake:	May
Duration:	8 terms
Qualifications:	C+ and above and C- in Maths, English, Biology and any other Science/ relevant certificate
Exams:	Kenya National Examinations Council

Diploma in Applied Biology (part-time/evening)

Intake:	May
Duration:	8 terms
Qualifications:	C+ and above and C- in Maths, English, Biology and any other Science/ relevant certificate
Exams:	Kenya National Examinations Council

Diploma in Industrial Microbiology

Intake:	May
Duration:	8 terms
Qualifications:	C+ and above and C- in Maths, English, Biology and any other Science/ relevant certificate
Exams:	Kenya Polytechnic University College

Diploma in Applied Biology (Vacational)

Intake:	August
Duration:	8 terms
Qualifications:	C+ and above and C- in Maths, English, Biology and any other Science/ relevant certificate
Exams:	Kenya National Examinations Council

Diploma in Industrial Microbiology (Vacational)

Intake:	August
Duration:	8 terms
Qualifications:	C+ and above and C- in Maths, English, Biology and any other Science/ relevant certificate
Exams:	Kenya Polytechnic University College

Higher Diploma in Applied Biology (part-time)

Intake:	Continuous
Duration:	4 terms
Qualifications:	Diploma in Applied Biology
Exams:	Kenya National Examinations Council

Higher Diploma in Applied Biology (Vacational)

Intake:	Continuous
Duration:	4 terms
Qualifications:	Diploma in Applied Biology
Exams:	Kenya Polytechnic University College

Department of Chemical Science and Technology

Certificate in SLT - Craft (Part time/Evening)

Intake:	September
Duration:	2 years
Qualifications:	D+ and above
Exams:	Kenya National Examinations Council

Certificate in Analytical/Industrial Chemistry

Intake:	September
Duration:	1 year
Qualifications:	C- and above
Exams:	Kenya Polytechnic University College

Certificate in SLT - Craft (vocational)

Intake:	August
Duration:	8 vacations
Qualifications:	D+ and above
Exams:	Kenya National Examinations Council

Diploma in Analytical Chemistry

Intake:	May
Duration:	8 terms
Qualifications:	C+ and above and C- in Maths, English, Chemistry and any other Science/ relevant certificate
Exams:	Kenya National Examinations Council

Diploma in Analytical Chemistry (part time)

Intake:	May
Duration:	8 terms
Qualifications:	C+ and above and C- in Maths, English, Chemistry and any other Science/ relevant certificate
Exams:	Kenya National Examinations Council

Diploma in Industrial Chemistry (part time)

Intake:	May
Duration:	9 terms
Qualifications:	C+ and above and C- in Maths, English, Chemistry and any other Science/ relevant certificate
Exams:	Kenya Polytechnic University College