



Centurion
UNIVERSITY
MAAC "A" GRADE, UGC & AICTE APPROVED

CHAMPIONS OF CHANGE

TECHNOLOGY

**THE WORLD OF EDUCATION IS CHANGING.
THE METHODS OF LEARNING ARE CHANGING.
AND SO ARE THE POSSIBILITIES.
NOW, WHEN THE OFFBEAT AND UNEXPLORED
ARE THE MAINSTREAM, ISN'T IT ABOUT TIME
YOU EMBRACED THE CHANGE?**

**AT CENTURION UNIVERSITY, CHANGE WAS OUR
ONLY CONSTANT. IT WAS OUR VISION FROM DAY
ONE. WITH OUR EXPERIENTIAL LEARNING
METHODS, FACILITIES AND FRESH APPROACH AT
EDUCATION, WE BACK CHANGE. ADVOCATE IT. AND
MORE THAN ANYTHING ELSE, WE CHAMPION IT.**

**AND TODAY,
WE ARE SURGING
AHEAD AND RIDING
THIS WAVE OF CHANGE.
RIGHT AT THE
FOREFRONT.**

CENTURION AT A GLANCE

Since its inception in 2005 by a group of ambitious academics with aspirations to provide high quality education, both nationally and internationally, Centurion University of Technology and Management (CUTM) has been a front-runner in the world of education and has numerous academic achievements to its name. The University has focused on 'hands-on', 'experience-based', 'practice-oriented' learning that makes a difference through appropriate and relevant innovation and action research.

Centurion University is redefining the learning platform through:

- I Skill integrated, domain linked, teaching and learning*
- I Industry and community partnerships*
- I Creation and co-creation enterprises*
- I An eco-system approach which includes community, enterprise, industry and educational institutes.*

The University has five campuses and a number of social entrepreneurial outreach wings that, along with collaborating institutions and networks, form its ecosystem.

The campuses are located at Paralakhemundi, Bhubaneswar, Visakhapatnam, Rayagada, Bolangir and Chatrapur and they house a number of Schools.

They are:

- I M. S. Swaminathan School of Agriculture*
- I School of Paramedics and Allied Health Sciences*
- I School of Architecture and Planning*
- I School of Applied Sciences*
- I School of Engineering and Technology*
- I School of Management*
- I School of Media and Communication*
- I School of Pharmacy and Life Sciences*
- I School of Vocational Training*
- I Institute of Knowledge Societies*

TECHNOLOGY

Engineering has for a long time been a highly sought after field of education, propelled also by the array of lucrative careers that were on offer. But that same demand has caused a downfall in recent times because of the surplus number of engineers that almost saturated the job opportunities.

Centurion, however, is still committed to being a platform for quality engineers with a wide variety of engineering disciplines on offer. Thus creating opportunities which were previously not thoroughly explored.

PROGRAMS OFFERED

UG PROGRAMS

*Bachelor of Technology **Civil Engineering***

*Bachelor of Technology **Aerospace***

*Bachelor of Technology **Mechanical Engineering***

*Bachelor of Technology **Computer Science and Engineering***

*Bachelor of Technology **Electronics and Communication Engineering***

*Bachelor of Technology **Mining***

*Bachelor of Technology **Biotechnology***

*Bachelor of Technology **Electrical and Electronics Engineering***

*Bachelor of Technology **CS Cloud Technology and Information Security***

*Bachelor of Technology **Chemical Engineering and Petrochemical Engineering***

*Bachelor of Technology **Electrical Engineering***

*Bachelor of Technology **Agriculture***

*Bachelor of Technology **Dairy Technology***



BACHELOR OF TECHNOLOGY - CIVIL ENGINEERING

Academic Focus

Civil engineering is a branch with a lot of diversity... from geotechnical engineering to structural engineering, environmental to hydraulics, transportation to hydrology. The civil engineering department in Centurion University has some of the most senior faculty members drawn from a pool of retired professors from Orissa and AP, and also professors who have worked as Chief Engineers in their respective states. At Centurion, the main areas of research include geotechnical engineering, structural engineering, hydraulics engineering, hydrology, GIS and GPS Systems.

Eligibility Criteria

Candidates must have passed 10+2 (Science with Mathematics) examination with 50% aggregate. Admission based on CUEE/JEEMAIN/EAMCET/WBJEE/other equivalent entrance test.

Duration of Course - Four years



BACHELOR OF TECHNOLOGY - AEROSPACE

Academic Focus

Aerospace engineering deals with the design, construction, and study of the science behind the forces and physical properties of aircraft, rockets, and spacecrafts. The prescribed courses of study and syllabi cover areas like design, structures, propulsion, aerodynamics and systems. The laboratories and workshops, detailed in the curriculum, have been designed to take up the challenges in the industry and focus on research and development. Here, the students have access to the latest versions of many analysis and design packages.

Eligibility Criteria

Candidates must have passed 10+2 (Science with Mathematics) examination with 50% aggregate. Admission based on CUEE/JEEMAIN/EAMCET/WBJEE/other equivalent entrance test.

Duration of Course - Four years



BACHELOR OF TECHNOLOGY - MECHANICAL ENGINEERING

| Academic Focus

The Department of Mechanical Engineering has strategic alliances with companies like NALCO, HAL, VEDANTA and JINDAL, apart from CTTC, CIPET, IIW and NSIC to provide superior theoretical and practical training. Besides, the department also provides Pro E and Ansys software in its labs. The mission of the department is to establish itself as a centre of excellence in the field of mechanical engineering, through innovative teaching-learning methods, intensive CAD/CAM short term programs and Industry Institute partnerships.

| Eligibility Criteria

Candidates must have passed 10+2 (Science with Mathematics) examination with 50% aggregate. Admission based on CUEE/JEEMAIN/EAMCET/WBJEE/other equivalent entrance test.

Duration of Course - Four years

BACHELOR OF TECHNOLOGY - COMPUTER SCIENCE AND ENGINEERING

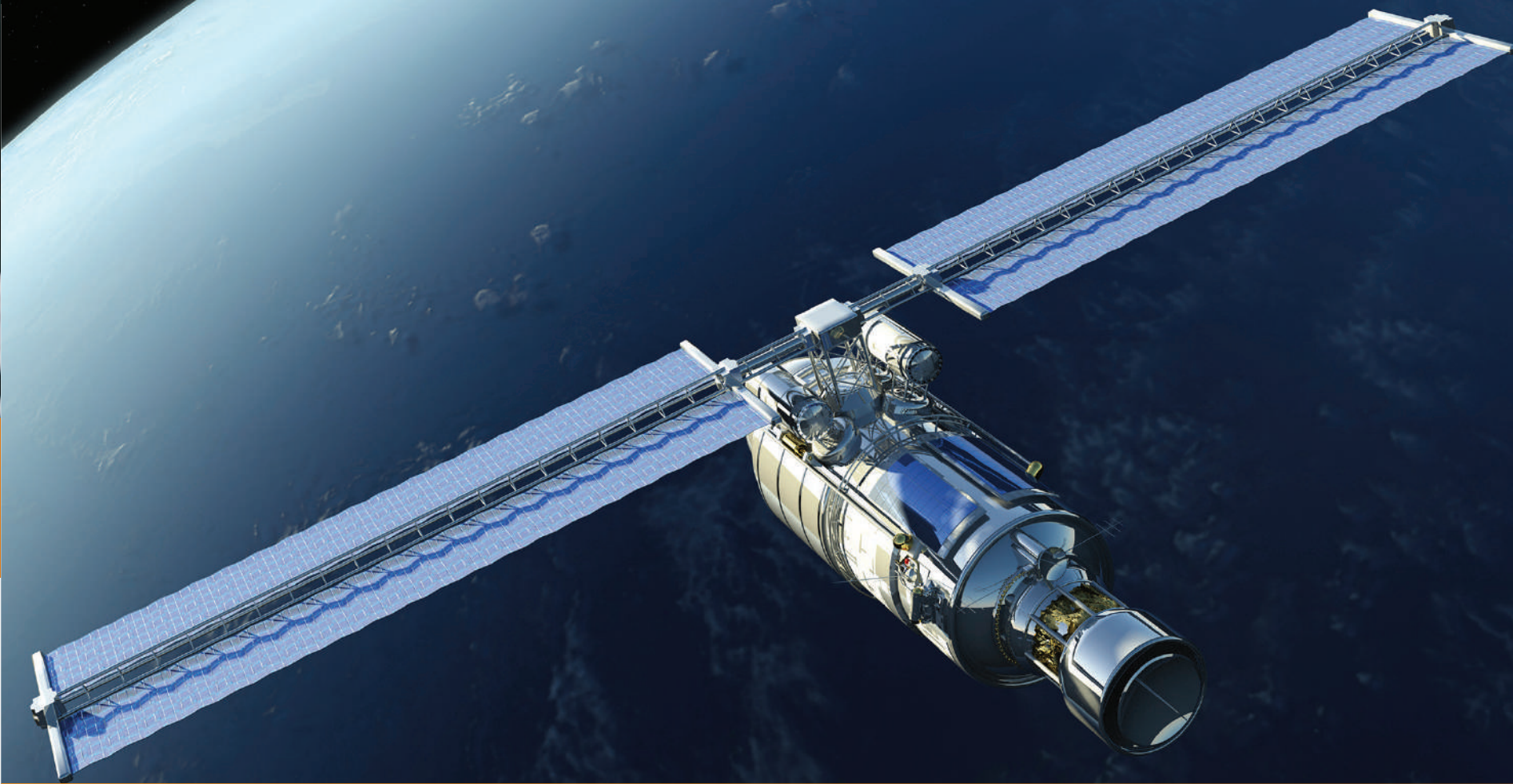
| Academic Focus

Centurion University is about hands-on learning, and learning through experience. The Computer Science course is also about building the fundamental concepts with focus on software programming and projects. At Centurion University, we understand that writing programs and doing projects is the right way to build not just the foundations, but also interest and passion for the discipline. Centurion offers a set of core courses – with concepts we believe all must learn; and with a large number of electives.

| Eligibility Criteria

Candidates must have passed 10+2 (Science with Mathematics) examination with 50% aggregate. Admission based on CUEE/JEEMAIN/EAMCET/WBJEE/other equivalent entrance test.

Duration of Course - Four years



BACHELOR OF TECHNOLOGY - ELECTRONICS AND COMMUNICATION ENGINEERING

| Academic Focus

This program aims to produce qualified and dynamic engineers in the fast changing area of Electronics and Communication Engineering. At Centurion, the Department of Electronics and Communication Engineering has sophisticated and modern laboratory equipment and software for research and development work. The department also offers domain based courses in the fields of VLSI and Embedded System within the curriculum to enhance the students' skills and make them ready for the industry, in association with different industry partners.

| Eligibility Criteria

Candidates must have passed 10+2 (Science with Mathematics) examination with 50% aggregate. Admission based on CUET/JEE/AMCET/WBJEE/other equivalent entrance test.

Duration of Course - Four years



BACHELOR OF TECHNOLOGY - MINING

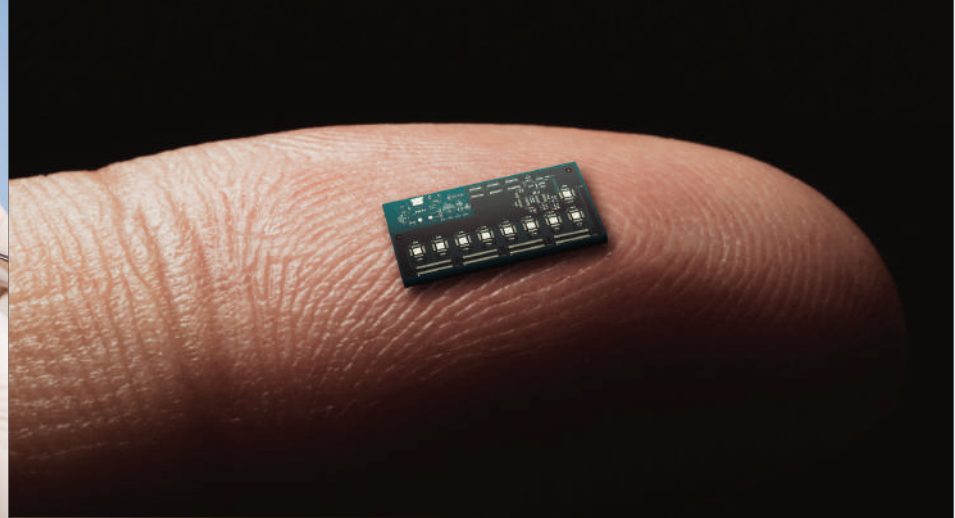
| Academic Focus

This branch of engineering also deals with many other disciplines such as geology, mineral processing and metallurgy, geotechnical engineering and surveying. There is a rise in demand for mining engineers owing to the steady expansion of this field. And the job requirements of a mining engineer will include planning and supervising mining operations and other related activities such as feasibility study, mine design, development of plans etc. At Centurion, this course is designed with a lot of practical sessions and field visits.

| Eligibility Criteria

Candidates must have passed 10+2 (Science with Mathematics) examination with 50% aggregate. Admission based on CUEE/JEEMAIN/ EAMCET/WBJEE/other equivalent entrance test.

Duration of Course - Four years



BACHELOR OF TECHNOLOGY - BIOTECHNOLOGY

| Academic Focus

Biotechnology combines biological sciences with engineering technologies to manipulate living organisms and biological systems to develop products that advance healthcare, medicine, agriculture, food, pharmaceuticals and environment control. Biotechnology can be classified into two broad categories: R&D in Biological Sciences and Industrial Processes. Some of the best innovations and developments that have come out of Biotechnology and allied fields are: genomic sequencing technology, natural alternatives to pesticides, production of biofuels and developments in stem cells technology.

| Eligibility Criteria

Candidates must have passed 10+2 (Science with Mathematics or Biology) examination with 50% aggregate. Admission based on CUET/JEEMAIN/ EAMCET/WBJEE/other equivalent entrance test.

Duration of Course - Four years

BACHELOR OF TECHNOLOGY - ELECTRICAL AND ELECTRONICS ENGINEERING

| Academic Focus

The Department of Electrical and Electronics Engineering strives for excellence in teaching, research and professional services to the industry so as to achieve eminence in selected niche areas of this field. The department offers B. Tech courses in Electrical and Electronics Engineering (EEE), Electrical Engineering (EE) and also an M. Tech course in Power System and Control Engineering (PSC). Most of the department's faculty members come with industry experience, especially in Transmission and Distribution.

| Eligibility Criteria

Candidates must have passed 10+2 (Science with Mathematics) examination with 50% aggregate. Admission based on CUET/JEEMAIN/ EAMCET/WBJEE/other equivalent entrance test.

Duration of Course - Four years



BACHELOR OF TECHNOLOGY - CS CLOUD TECHNOLOGY AND INFORMATION SECURITY

| Academic Focus

The curriculum for this program has been prepared with industry requirements in mind and it emphasizes practical, application-oriented learning. The main goal of the program is to provide students with an in-depth understanding of how information security functions in an organization and all aspects of cloud technology.

| Eligibility Criteria

Candidates must have passed 10+2 (Science with Mathematics) examination with 50% aggregate. Admission based on CUET/JEEMAIN/EAMCET/WBJEE/other equivalent entrance test.

Duration of Course - Four years

BACHELOR OF TECHNOLOGY - CHEMICAL ENGINEERING AND PETROCHEMICAL ENGINEERING

| Academic Focus

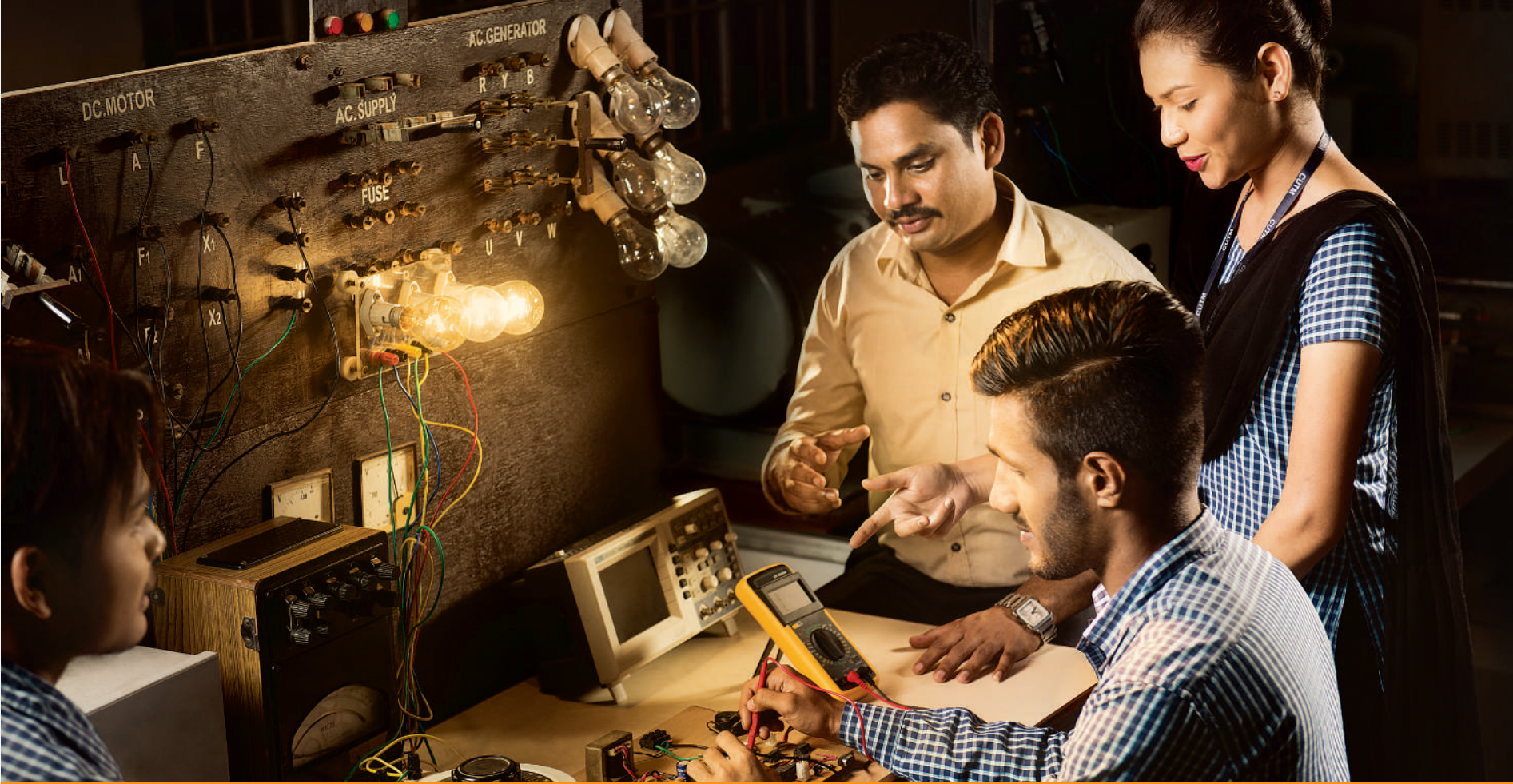
The aim of the Petrochemical Engineering program is to provide the much-needed high-level petroleum engineering manpower for the utilization of oil and gas deposits. Hence, the objectives of this program are:

- To produce petroleum engineers with requisite knowledge and technical skills in petroleum exploration and production
- To prepare students for immediate and successful entry into the petroleum industry or for advanced studies
- To provide a proper balance between practical and theoretical education
- To teach social and professional responsibilities

| Eligibility Criteria

Candidates must have passed 10+2 (Science with Mathematics) examination with 50% aggregate. Admission based on CUET/JEEMAIN/EAMCET/WBJEE/other equivalent entrance test.

Duration of Course - Four years



BACHELOR OF TECHNOLOGY - ELECTRICAL ENGINEERING

| Academic Focus

The program aims to provide efficient and balanced training in laboratory medicine. At Centurion, the students receive a stimulating, challenging and supportive academic experience alongside a fulfilling and enjoyable social life.

| Eligibility Criteria

Candidates must have passed 10+2 (Science with Mathematics) examination with 50% aggregate. Admission based on CUEE/JEEMAIN/ EAMCET/WBJEE/other equivalent entrance test.

Duration of Course - Four years



BACHELOR OF TECHNOLOGY - AGRICULTURAL ENGINEERING

| Academic Focus

With this course, students can enroll in degree programs that focus on environmentally sound agriculture technology, agriculture mechanization or horticulture technology. The interdisciplinary programs combine elements of science and agriculture with courses in business and technology.

| Eligibility Criteria

Candidates must have passed 10+2 or an equivalent examination conducted by any recognized Board of Education with PCMB having 50% aggregate. Admission based on the entrance test of CUTM.

Duration of Course - Four years



BACHELOR OF TECHNOLOGY - DAIRY TECHNOLOGY

| Academic Focus

The main objective of the course is to make the students well-versed with each and every detail of dairy production, processing, and quality control checks required for various dairy-related products. In India, which is an agriculture-centric country, this field has over the years become extremely popular among youngsters.

| Eligibility Criteria

Candidates must have passed 10+2 (Science with Biology) examination with 50% aggregate. Admission based on CUEE/JEEMAIN/ EAMCET/WBJEE/other equivalent entrance tests.

Duration of Course - Four years



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UNIVERSITY
NAAC "A" GRADE, UGC & AICTE APPROVED

*If a career in Technology is what
you are aiming for, then Centurion
University is where you should be.*

**CAMPUSES: Paralakhemundi, Bhubaneswar, Visakhapatnam, Rayagada, Bolangir and Chatrapur.
FOR MORE DETAILS, CALL: 82600 77222**

www.cutm.ac.in