অসম বিজ্ঞান আৰু প্ৰযুক্তিবিদ্যা বিশ্ববিদ্যালয়
Assam Science and Technology University
(A State University by Govt. of Assam & UGC Recognized)

Information Brochure
For in-campus UG & PG Programs
(AICTE and State Government approved)

Academic Session: 2025-26

Tetelia Road, Jalukbari, Guwahati, Assam, Pin- 781013

University Anthem

প্ৰযুক্তিৰ এই প্ৰান্ত প্ৰদেশ'
এই সাঁকো নিৰ্মাণৰ দেশ
প্ৰযুক্তিৰ এই প্ৰান্ত প্ৰদেশ'
এই সাঁকো নিৰ্মাণৰ দেশ
যি ভোগদেখনি বোৰাই অনা কৃতিত্বৰ অৱশেষ
সাঁচিপাত, পাট-মুগা, কাহ পিতলৰ নিখুঁত নিৰ্মাণৰ ৰেশ
ৰূপহী অসমী- এই প্ৰান্ত প্ৰদেশ
ৰূপহী অসমী- এই প্ৰান্ত প্ৰদেশ।
আই অসমীৰ দুৰ্যোগো অশেষ
লাগে নতুন প্ৰযুক্তি, একাগ্ৰ আৱেশ
লৈ তাৰেই প্ৰেৰণা, তাৰেই আদেশ
নতুন প্ৰত্যয়েৰে থাপনা পাতিছো যি প্ৰযুক্তিৰ সমাৰেশ
যি জ্ঞানৰ প্ৰসাৰ আৰু সৃজনৰ লক্ষ্যেৰে
মানুহৰ সেৱাত নিৰেশ
মানুহৰ সেৱাত নিৰেশ।
গণ-সংযোগ, কৃত্ৰিম-বোধিৰ প্ৰসাৰিত শীৰ্ষ
আমাৰ মুঠিত পৰমাণু-বম্বৰ সন্মিত বীৰ্য
মহাকাশ আৰু ৰ'বট-প্ৰযুক্তিৰ বিশাল ঐশ্চৰ্য
শুনো কল্পনা-বাস্তৱ একাকাৰ কৰা নতুন প্ৰযুক্তিৰ তুৰ্য
নতুন প্ৰযুক্তিৰ তুৰ্য।
যন্ত্ৰেৰে হ'ব সেয়ে জীৱন উদযাপন জীৱনৰ বিস্তৃতি
আৰু থাপনাই কঢ়িয়াব-মানুহৰ নিচান, হৃদয়ৰ কৃষ্টি
হ'ব পৰিৱেশ-অনুকূল সমূহৰ কল্যাণ- ভাঁহে সেই অপৰূপ দৃষ্টি
নতুন প্ৰত্যয়েৰে থাপনা পাতিছো যি প্ৰযুক্তিৰ সমাৰেশ
যি জ্ঞানৰ প্ৰসাৰ আৰু সৃজনৰ লক্ষ্যেৰে
মানুহৰ সেৱাত নিৰেশ
মানুহৰ সেৱাত নিৰেশ
মানুহৰ সেৱাত নিৰেশ।

কথা: ড. অমৰজ্যোতি চৌধুৰী
সুৰ: প্ৰশান্ত কুমাৰ চৌধুৰী

विश्वविद्यालय संगीत

प्रौद्योगिकी की यह प्रान्त प्रदेश
यह हैं सेतु निर्माण का देश
प्रौद्योगिकी की यह प्रान्त प्रदेश
यह हैं सेतु निर्माण का देश
जो हैं भोगदोई में बहकर आया कृतित्व का अवशेष
साँचिपात, पात-मुगा, काह-पीतल के उत्तम निर्माण का वेश
रुपही असमी – यह प्रान्त प्रदेश
रुपही असमी – यह प्रान्त प्रदेश ।
असमी माता के आपदाएँ भी अशेष
चाहिए नई प्रौद्योगिकी, एकाग्र आवेश
लेकर उसी की प्रेरणा, उसी की आदेश
नए प्रत्यय से रचा हैं वेदी जो हैं प्रौद्योगिकी का समावेश
जो ज्ञान की विस्तृति और सृजन की लक्ष्य से
मानव सेवा में निवेश
मानव सेवा में निवेश ।
जन संचार, कृत्तिम-बोधी के प्रसारित शौर्य
हमारे मुष्टि में परमाणु-वक्ष के संचित वीर्य
महाकाश और रोबोट-प्रौद्योगिकी की विशाल ऐश्वर्य
हम सुनते हैं कल्पना-वास्तव को अभिन्न करती नई प्रौद्योगिकी की तूर्य
नई प्रौद्योगिकी की तूर्य ।
यंत्र से अतः होगा जीवन का उद्यापन जीवन की विस्तृति
और वेदी पर प्रतिष्ठित होगा मानव का परचम, हृदय की कृष्टि
होगा परिवेश-अनुकूल समूह के कल्याण – छाए वह सुंदर दृष्टि
नए प्रत्यय से रचा हैं वेदी जो हैं प्रौद्योगिकी का समावेश
जो ज्ञान की विस्तृति और सृजन की लक्ष्य से
मानव सेवा में निवेश
मानव सेवा में निवेश
मानव सेवा में निवेश।

गीतकार (असमीया) - डॉ. अमरज्योति चौधरी
धुन - प्रशांत कुमार चौधरी
अनुवाद - डॉ. देबज्योति गोस्वामी और डॉ. पी. सरमा

University Song

This state at the margins
This country that builds bridges
This state at the margins
The country that builds bridges
The Bhogdoi that flows in success at the end
Where sanchi-pat, paat-muga and bell-metal are crafted to perfection
Rupahi Assam - this marginal land
Rupahi Assam - this marginal land
Mother Assam has her woes as well
New technology, the vigorous spirit - that's what's needed
With that as the motivation, that as the command
This altar's set up with a new spirit where technologies converge
With the aim of expanding the horizons of knowledge and creativity
Dedicated to the service of humanity
Dedicated to the service of humanity
Mass communication and artificial intelligence and their expanding limits
We hold the seed the nuclear feed in our fists
The glory of astronomy and robotics
We witness the new technology that combines imagination and reality
The might of new technology
Machines thus will facilitate living, expanding life
And the altar shall bear the fruits of humanity, the art of the heart
Environment friendly welfare of man - that's the vision we see
Dedicated to the service of humanity
Dedicated to the service of humanity
Dedicated to the service of humanity
Dedicated to the service of humanity
The state at the margins
The country that builds bridges
The state at the margins
The country that builds bridges

Prof. Narendra S Chaudhari, Vice Chancellor with
Shri Lakshman Prasad Acharya, Hon'ble Chancellor, ASTU and
His Excellency, Governor of Assam

Prof. Narendra S Chaudhari, Vice Chancellor with Dr. Ranoj Pegu,
Hon'ble Minister of Education, Govt of Assam

JOURNEY WITH SCIENCE AND TECHNOLOGY BEGINS HERE

Assam Science and Technology University (ASTU) offers an unparalleled Science and Technology experience, blending academic excellence with industry-relevant courses to prepare students to solve real world problems through innovative solutions in a sustainable way. ASTU provides a vibrant ecosystem where learning meets leisure, and ambitions are nurtured both inside and outside the classroom.

With a curriculum to emphasize on practical learning, industry collaboration and cutting-edge research, ASTU provides students with a dynamic academic environment that fosters creativity and critical thinking. Our programs are designed to equip students with the technical expertise, leadership skills and National leading to Global perspective required to thrive in today's competitive world.
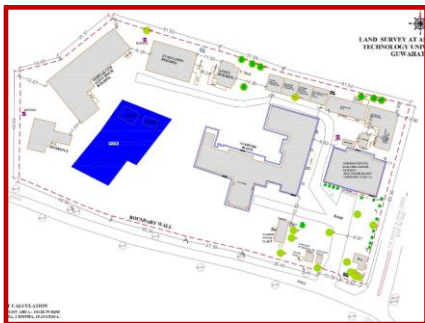
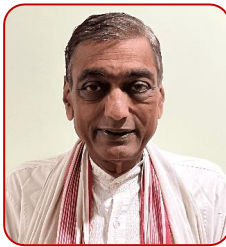**Master Plan of ASTU Campus 1**

Master Plan of ASTU Campus 2

অসম বিজ্ঞান আৰু প্ৰযুক্তিবিদ্যা বিশ্ববিদ্যালয়
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Content

Message from the Vice Chancellor

Prof. Narendra S Chaudhari

Greetings from Assam Science and Technology University (ASTU)…!!

ASTU, a state university of the Govt. of Assam, is a premier and the only technical university with the jurisdiction of the Assam state. With an aim for enhancing quality and standard in the uniform course curriculum leading to research in the field of technical education, Assam Science and Technology University was established in the State of Assam in 2010. As per recent Amendment of Assam Science and Technology University (ASTU) Act, 2023, the University is now (w.e.f. 19th June, 2023) a teaching, research and affiliating University of Science and Technology and other allied subjects. The University has been affiliating all engineering colleges and technology courses in Assam state. His Excellency Governor of Assam is the Chancellor of Assam Science and Technology University. Apart from the academic programs at affiliated institutes, ASTU offers in-campus academic programs in the fields of Computer Science Engineering and Energy Engineering in the campus I. The university has already prepared and submitted the master plan for development of the second campus of the university.

Since its inception, ASTU has been undertaking quality teaching and research in frontier areas of Science & Technology, continuously upgrading the syllabi and creating environment of international standard research and emphasizing in bridging the ancient wisdom of the region with modern technology. A central research hub in multidisciplinary area are established by the university to carry out high quality research. ASTU has implemented the New Education Policy-2020 (NEP-2020) for the benefit of our stakeholders, and to our society. As per the vision of the NEP-2020 to make the higher education more inclusive, holistic, and multidisciplinary in nature, ASTU has revised the course curricula for both Science and Engineering courses. ASTU has been committed 'Viksit Bharat' by 2047 through transformation for teaching delivery in technical education in the State of Assam.

As per National Education Policy 2020, the Academic Bank of Credits (ABC) has been envisaged to facilitate the academic mobility of students with the freedom to study across the Higher Education Institutions in the country with an appropriate "credit transfer" mechanism from one program to another, leading to attain a Degree/ Diploma/PG-diploma, etc. ASTU has uploaded total degree 6747 and total marksheets 31246 in ABC. The University is continuously promoting the industry-academia linkages such that the output of academia improves in quality and the industries are benefited from a steady supply of high-caliber, skillful human resource.

Internationalization of higher education promotes sharing of best academic and research practices through interactions between diverse education systems, and helps in developing global citizens through mobility of students and scholars. To promoting the internationalization, ASTU has initiated international partnerships for research and education.

Thanking you Best wishes

Vice Chancellor
Assam Science and Technology University

About
Assam Science and Technology University

The Assam Science and Technology University (ASTU), the premier and only Technical University of Assam aims to provide quality education and research in the field of Science & Technology and other professional areas in Assam. All the engineering colleges of Assam and few other colleges, offering degree in science and other professional courses are affiliated under ASTU. At present, total 31 colleges of Assam are affiliated under ASTU including all government engineering colleges of Assam. A total of 13418 students were enrolled during the period from 2021-2022 and 2024-2025. ASTU is responsible for academic regulation of all undergraduate and post-graduate programs in Engineering and a few professional courses in Science and Management sectors.

Apart from the academic programs at affiliated institutes, ASTU offers in-campus academic programs in the field of Computer Science Engineering and Energy Engineering. ASTU has been continuously upgrading the syllabi as per the regulation of UGC/AICTE and creating environment for international standard research and emphasizing in bridging the ancient wisdom of the region with modern technology. Since its inception, ASTU has been undertaking high quality teaching and research in frontier areas of Science & Technology.

To facilitate cutting-edge research to foster technological and scientific breakthrough, a state-of-the-art research infrastructure – "Central Research Hub (CRH)" is available in the University premises. The Central Research Hub was established in 2019 under TEQIP III projects of MHRD, New Delhi and World bank as well as other research projects, funded by Govt of Assam. With a motivation to achieve global exposure, ASTU thrives to adapt cutting-edge research in collaboration with leading researchers across the country and worldwide. The Central Research Hub consists of the following laboratories:

- Multi-disciplinary Experimental & Testing Accessible Laboratory (METAL)
- Energy Research Laboratory (EEL)
- Material Science Research Laboratory (MSRL)
- Tribology Laboratory (TL)
- Plasma Pyrolysis Laboratory
- Internal Combustion Engine Research Laboratory
- Computational Research Laboratory

Vision, Mission, Moto and Recognition

VISION:

- Give synchronized strategic and operational leadership to technical education of Assam through a unified structure.
- Create state of the art infrastructure and train excellent academic personnel to be with the international peers.

MISSION:

- Establish a platform to participate together by Government and Private organization under unified umbrella.
- Create facilities for all to participate; Interaction with industries.

MOTO:

विज्ञानमेव प्रगतिः प्रयुक्त्या कल्याणमश्नुते

Recognition:

- The Assam Science and Technology University is State Government University, established by Government of Assam under Assam Science & Technology University Act 2009.

- The university is recognized by University Grants Commission (UGC) and All India Council for Technical Education (AICTE).

Location of the University
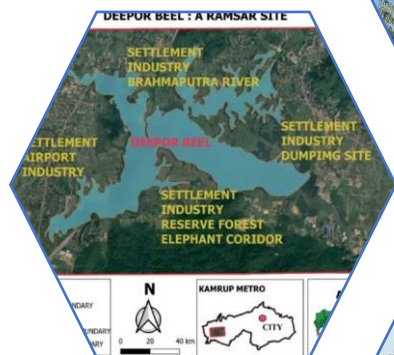
The University is located at Guwahati city, in a naturally beautifully location at the bank of Deepor Beel (26.1407° N, 91.6673° E) which is a permanent freshwater lake, in a former channel of the Brahmaputra River. Deepor Beel was recognized as a Ramsar Site in 2002, and as an Important Bird and Biodiversity Area (IBA) in 2004, in addition to its declaration as a Bird Sanctuary by the Government of Assam in 1989. The campus of the university is surrounded by few well known Academic Institutes like Assam Engineering College (AEC), Guwahati; Tata Institute of Social Science (TISS), Guwahati; AICTE Regional head office etc.

The university is around 10 km from the Lokpriya Gopinath Bordoloi International Airport; around 5 km from Kamakhya Railway Station; around 7 km from ISBT, Lokhora and 10 km from Guwahati Paltan Bazar Railway Station.

Communication Address:

**Assam Science and Technology University (ASTU)
Tetelia Road, Jalukbari,
Guwahati, Assam, Pin- 781013
Telephone: 8811079300
Website: https://astu.ac.in/
Email: admission@astu.ac.in**

ABOUT THE SCHOOL OF ENGINEERING, ASTU

The School of Engineering of ASTU was established in the year 2016 with a aim to provide state-of-the-art academic facilities a focus on innovation and hands-on learning that bridge the gap between theoretical knowledge and Industrial application for socio-economic development of the country. The Assam Science and Technology University is steadfast in its commitment to creating an atmosphere that nurtures innovation, creativity, and excellence amongst its students. To meet the ever-increasing demand of quality teaching and research, a group of well qualified, talented and dedicated faculty members are engaged to guide the students.

Academic Block of ASTU

As per the guidelines of UGC/AICTE, ASTU has implemented the National Education Policy 2020 (NEP 2020) from the academic session 2024-25. The University's teaching and research are very well aligned with the National Education Policy 2020 (NEP 2020). The university is currently strengthening these programs to truly realize the goals of this policy in word and in spirit. The SoE-ASTU emphasizes the holistic, industry-aligned education, fostering autonomy for faculty to bring lab and industry insights into the classroom. Its flexible curriculum allows students ample scope for exploration through projects and collaborative research, enriching their professional readiness.

The School of Engineering, 9 ASTU currently have the following academic departments –

1. **Computer Science Engineering**:

    Program Offered – i) B Tech in Computer Science Engineering (Specialization: Artificial Intelligence and Machine Learning, Artificial Intelligence, Data Science, Cyber Security and Internet of Things)
    ii) M Tech in Computer Science Engineering
    iii) Ph D Program

2. **Energy Engineering**:

    Program Offered – i) M Tech in Energy Engineering
    ii) Ph D Program

CONVOCATION

A convocation ceremony is a special day in the academic life of students as after years of hard work and dedication, they get their hard-earned education degrees. ASTU has planned to organize the convocation on every year during the month of February. The past convocations, organized by ASTU are listed below;

- First Convocation held on 23rd Feb 2019.
- Second Convocation held on19th Dec 2022.
- Third Convocation, held on 19th June 2023.
- Fourth Convocation, held on 18th December 2023.

STUDENT'S ACTIVITIES

NSS Cell

The ASTU NSS Cell strives to facilitate a three-dimensional outcome: learning requirements of students and faculty, skill development, and attitudinal building. The ASTU NSS Cell has been operated since its formation in 2020. However, 9 NSS units now operate as Government Funded Units including the university's NSS unit. The students of the university as volunteers take part in different community service programs.

Extracurricular Activities

Assam Science and Technology University recognize that a well-rounded education extends beyond academic learning. With a strong emphasis on collaboration, innovation, and personal enrichment, the university has established four different student clubs. The student clubs offer students the opportunity to complement their academic journey with co-curricular involvement.

Cultural Club *Anukuriti*

Cultural clubs *Anukuriti* celebrate artistic expression and diversity through music, dance, and visual arts. By organizing annual festivals, performances, exhibitions, and participating in Inter and Intra-colleges these associations provide students with an avenue to hone their creative talents while fostering cross-cultural appreciation and collaboration.

*Mobiu*s Coding Society

Coding Club is a platform where the students will be able to develop and learn various skills like, Computer coding, Application development, Web development and Artificial Intelligent. The Coding club's objective is to establish a coding background culture to involve the students to build the logical and analytical skills to support computer programming.

Entrepreneurship and Innovation club *Avinya*

Avinya serves as a catalyst for aspiring entrepreneurs, fostering a culture of creativity, problem-solving, and business leadership by bridging the gap between academia and the startup ecosystem, gaining hands-on experience in business strategy, product development, and venture financing, equipping them with the skills needed to thrive in dynamic and competitive markets.

Sports club *Pheonix*

Pheonix Sports Club has been constituted to encourage physical activities and sports providing a healthy sporting habit among the students.

Students' Support System

National Academic Depository (NAD)

Assam Science and Technology University (ASTU) has started the process of digitalization of academic records with National Academic Depository (NAD), in accordance with the direction of the Ministry of Human Resource Development (MHRD), Government of India and University Grants Commission (UGC). The University is presently registered with DigiLocker NAD and uploaded 6747 numbers of original certificate data till date.

Policy on Industry-Academia Linkages

The NEP 2020 is focused on promoting industry-academia linkages such that the output of academia improves in quality and the industries are benefited from a steady supply of high-caliber, skillful human resource. To improve the Industry Academic linkage, the Assam Science and Technology University has carried out the following activities;

- Inclusion of compulsory industrial training program for the students.
- Inclusion of expert from industry in the board of studies of different programs and other important committee of the University.
- Organizing Industry-Academia Meet.
- Formation of Industry Consultative Committee (ICC) for reviewing course curriculum and syllabi.
- Affiliated colleges are encouraged for MOU with different industries for supporting internships/skill development training etc.
- Conducted state/NE level competitions etc.
- MOU with various industries.

Status of Academic Bank of Credit (ABC)

- As per National Education Policy 2020, the Academic Bank of Credits (ABC) has been envisaged to facilitate the academic mobility of students with the freedom to study across the Higher Education Institutions in the country with an appropriate "credit transfer" mechanism from one program to another. Academic bank credit (ABC) deposits the credits awarded by registered institutions into students' accounts.
- Assam Science and Technology University has registered in ABC in the year 2022. As per the direction of UGC, New Delhi, the university has already uploaded approximately 31246 marksheet data from 2021-22 admission batch onwards. Total number of ABC Accounts created by the students of the university is 9618.

Policy and status on Internationalization

The NEP extensively focuses on attaining the highest global standards in the quality of higher education. This policy appreciates the critical need to promote India as a "global study destination providing premium education at affordable costs thereby helping to restore its role as Vishwa Guru". The policy also aims to make our young generation of learners aware and understand global issues and make them truly global citizens committed to human rights, sustainable development and global well-being.

The following activities are initiated by ASTU to improvise the internationalisation;

❖ Signed MoU with International Universities
  ➢ RUDN Universities, Moscow
  ➢ CURTIN University, West Australia
  ➢ North-South University, Dhaka
❖ Joint research project with CURTIN University, West Australia (In process). Apart from that the university will encourage the faculty members of the university and affiliated colleges to carry out more collaborative joint research projects with international universities/institutes/industry.

Internal Quality Assurance Cell (IQAC)

The Internal Quality Assurance Cell (IQAC) of ASTU was established as per the UGC guidelines. The Internal Quality Assurance Cell (IQAC) is the academic body responsible for making policies to maintain the quality and standard of education. DR. D. Goswami is the Coordinator of the IQAC, ASTU. The prime task of the IQAC is to develop a system for conscious, consistent & catalytic improvement in the overall performance of institutions. The IQAC is engaged with series of activities required to foster the spirit of quality among the members of the University Community.

Mentoring System

Student mentoring is done at the departmental level. Each faculty member is assigned a small group of students to mentor for their overall development.

Redressal of Discrimination and Harassment

The University has an Internal Complaint Committee (ICC) examines complaints of sexual harassment at workplace within the framework of The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013. The ICC actively organizes sensitization programs for officers, non-teaching staff, faculty members, security staff, local vendors, students etc. The committee has nominated members from all the departments including students, faculty and staffs. Apart from that ASTU has also a separate Women Harassment Cell.

Grievance redressal and Anti-raging committee

Assam Science and Technology University has formed the Students' Grievance Redressal Committee as per the University Grants Commission (Redressal of Grievances of Students) Regulations, 2023 to handle the problems faced by the students enrolled in the University as well as those seeking admission to the same.

To prevent the ragging activities on campus, the university has formed anti-ragging committee and an anti-ragging squad as per the UGC Regulation on Curbing the Menace of Ragging in Higher Education Institutions, 2009.

ACADEMIC AND RESEARCH INFRASTRUCTURE

A) RESEARCH INFRASTRUCTURE

Central Research Hub:

A well-equipped high-end research infrastructure is available at the university premises to carry out research works in different research area. The different research laboratories under CRH are listed below;

- Multi-disciplinary Experimental & Testing Accessible Laboratory (METAL)
- Material Science Research Laboratory (MSRL)
- Energy Research Laboratory (EEL)
- Tribology Laboratory (TL)
- Plasma Pyrolysis Laboratory
- Internal Combustion Engine Research Laboratory
- Computational Research Laboratory

Lab-I: Multi-disciplinary Experimental and Testing Accessible Laboratory (METAL):

On-going RCD activities under the lab are:

(i) Development of novel anti-corrosive coating (polymer to metal coating)
(ii) Development of Silicon thin film for photovoltaics application
(iii) Improve the seed germination and production yield of different seeds using cold air plasma technology
(iv) Synthesis of graphene-based battery material for electric vehicle
(v) Plasma Pyrolysis Process for municipal solid waste disposal

Available Facilities

- ❑ **iPVD reactor:** The state-of-the-art technology allows the deposition of metals, alloys, ceramic, and polymer thin films onto a wide range of substrate materials. The ultra-high vacuum iPVD reactor is designed by ASTU and fabricated at Excel Instruments, Maharashtra. The total cost of the whole set up is around 70.0 lakhs.

- ❑ **EGDR:** The Experimental Glow Discharge Reactor can be used to study for plasma agriculture, plasma nitriding and also for basic research. The reactor is designed by ASTU and fabricated at ETS, Ahmedabad. The total cost of the whole set-up is around 10.0 lakhs.

- ❑ **TTO Derived Plasma Reactor:** The set-up is designed by ASTU and fabricated at Excel Instruments, Maharashtra. The total cost of the whole set-up is around 1.0 lakhs. The reactor is designed to study the TTO film for biomedical applications.

- ❑ Other important instruments/equipment in the lab are HR Optical emission/absorption spectrometer, Contact angle measurement set up, High voltage DC power supplies, RF power supply, DSO, Function generator, Ultrasonicator, Magnetic stirrer, water analysis kit, Heating and cooling assembly, etc.
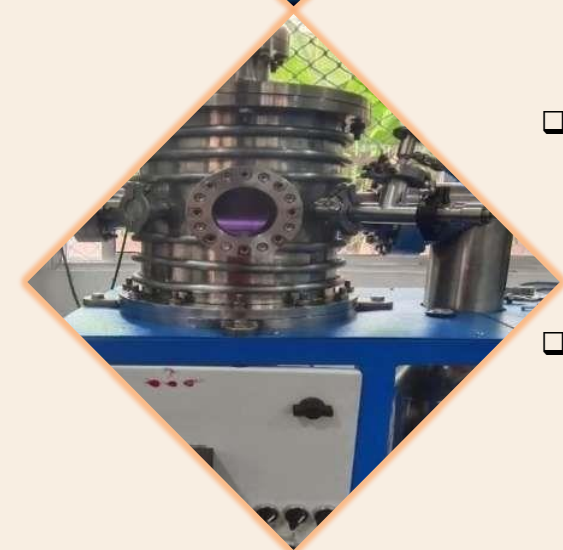
Lab-II: Material Science Research Laboratory (MSRL):

The main on-going Research activities in the lab is development of new aluminum and magnesium alloys Materials Science and Technology are advancing fast and are of particular relevance for industry and society as materials create added value in most products. At the same time, costs must be minimized, sustainability improved, and products rendered more attractive, portable, or usable by making them smaller and lighter. The establishment of this research laboratory at present will help the researchers to develop new alloys specially for aluminium and magnesium alloys, sample preparation for microstructure studies, mechanical property determination, characterization, heat treatment and composition analysis of alloys.

Available facilities are 1. Muffle Furnace (Programable) 2. Oven 3. Stir Casting Melting Furnace with vacuum die attachment (for aluminium and Magnesium alloys) 4. Diamond Sectioning Machine 5. Automatic Polishing Machine 6. Optical Emission Spectrometer (Fe and Al base) 7. Optical Microscope with image analyser 8. Micro-Hardness Tester with camera attachments 9. Mounting Press (cold and hot) 10. Rockwell Hardness teste

Lab-III: Energy Research Laboratory

The major types of equipment available in the Energy Research Laboratory are: Thermogravimetric Analyzer (TGA), Differential Scanning Calorimetry (DSC), Pyrolysis Unit (lab scale), Bomb Calorimeter, Rheometer, Flush Point and Fire Point Apparatus, Cloud Point and Pour Point Apparatus, Flue gas analyzer, Single Phase power Analyzer, Hot air oven, Muffle Furnace, Soxhlet Extraction Unit, Solar Cooker, Muffle Furnace, Soxhlet Extraction Unit, Solar Cooker, Biomass Cooking Stoves, Hybrid Solar PV Plant, Flat Plate Collector, Evacuated Tube Collector, Pyranometer, Sunshine Duration Recorder, Weather metering system, Water/Soil analysis kit, Electrical Shaker with Auger, Flame photometer, Centrifuge, Atomic absorption spectrometer, pH meter, IC Engine System.

Lab-IV: Tribology Research Laboratory

The major types of equipment available in the Tribology Research Laboratory are: Four Ball Tester, Pin Ball on Disc Tribometer, Journal Bearing.
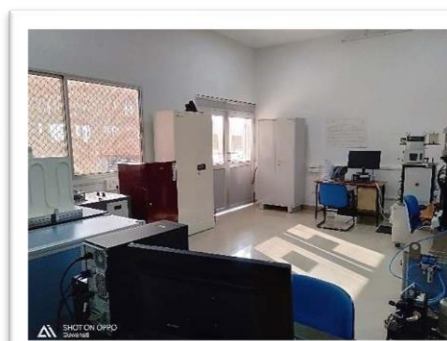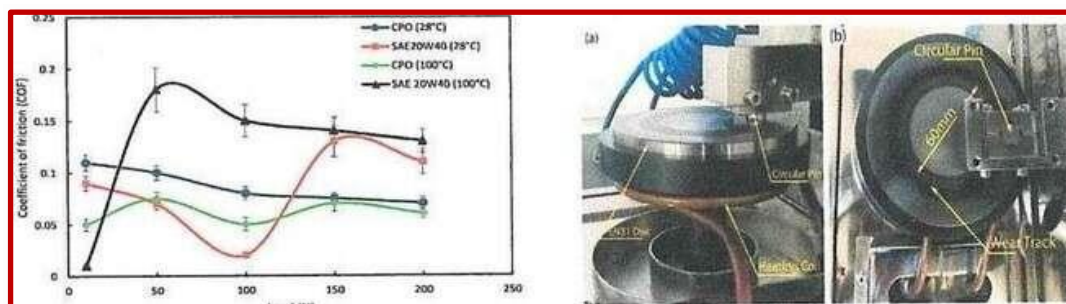
Lab-V: Plasma Pyrolysis Laboratory (PPL)

Plasma pyrolysis is the most efficient and eco-friendly process for safe disposal of municipal solid waste (MSW). Apart from MSW, It can also be used for safe disposal of Bio-medical waste, e-Waste etc. the on-going RCD activities in the lab are:

1) Examined the disposal efficiency of the plasma pyrolysis plant for a different kind of solid waste.
2) Study the utilization of the plasma pyrolysis residue for industrial application.

Available Facilities: Plasma pyrolysis is one of the efficient technologies for the safe disposal of municipal solid waste in an eco-friendly manner. In this technology high temperature is generated in a chamber in oxygen starved condition. Organic waste disintegrates into hydrogen, CO and lower hydrocarbon gases because of oxygen starved condition at high temperature.

These high calorific gases are cleaned by gas cleaning system and then, it can be utilized for useful applications. A Plasma pyrolysis plant with a disposable capacity of 10 kg/hr is designed and installed at ASTU premises for the disposal of solid waste under Centre for Advance Research in Science and Technology (CARST).

BROCHURE 2025-26
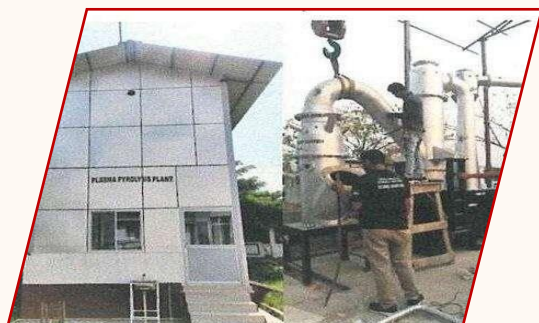
Lab-V: Internal Combustion (IC) Engine Research Laboratory

The IC Engine provides the facility for characterization and analysis of combustion properties of new fuels both sustainable (Bio-fuels, hydrogen) and fossils fuels to identify the proper fuels for different industrial application.
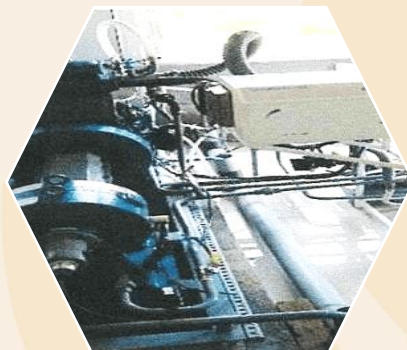
Lab-VI: Computational Research Laboratory (CRL)

The Computational Research Laboratory (CRL) was established by ASTU under Central Research Hub in the year of 2019 under the financial support of MHRD, New Delhi and World Bank. The Laboratory for Computational Research in Science and Technology (CRSTLab) develops and applies advanced methods of computing to solve problems at the Frontiers of Computability in Science, and works to illuminate answers to fundamental scientific problems through computing and theory.
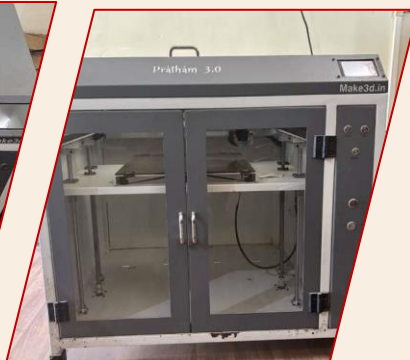
B) ACADEMIC INFRASTRUCTURE

(i) CENTRAL LIBRARY:

Library Profile: The ASTU Central Library, located on the ground floor of the academic building, serves as a hub for academic resources and a good environment for studying. The library offers a welcoming ambiance conductive to focused study, providing a tranquil setting for academic pursuits. Overall, the ASTU Central Library stands as a vital resource centre supporting the academic endeavors of the university community.

Hours of Operation 9.30 a.m. to 5.00 p.m. All working days. Closed: 2nd and 4th Saturday and Sunday.
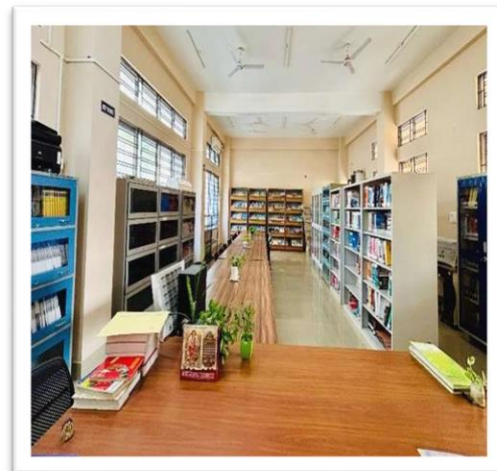
Collection.

✓ **Books:** We have expanded our book collection to **1664 titles**, encompassing a diverse range of subjects and genres to cater to the varied interests and academic pursuits of our users.

✓ **Dissertations:** Our repository now houses **456** dissertations, providing valuable research resources for scholars and students alike.

✓ **Theses:** We are pleased to announce the acquisition of **14** theses, further enriching our scholarly resources and supporting academic endeavours across disciplines.

✓ **Newspaper Collection:** Our collection now includes 5 newspapers, offering comprehensive coverage of local, national, and international news to keep our users informed and engaged with current affairs. The library also offers access to Employment news.

✓ **Journals/Periodicals /Magazine –**Journals in the collection encompass Yojana, Current Science, University News, Manthan and Sikh Review. Periodicals /Magazine such as Samachar, Sainik Samachar, Right to Information Report, Connect and Education Law Cases also contribute to the wealth of resources.

Services offered by the Library.

❖ **ETD repository**: Currently, ASTU has submitted five Ph.D. theses to Shodhaganga, showcasing our commitment to scholarly research and academic excellence.

❖ **Plagiarism Checking:** In our commitment to academic integrity, we have implemented Plagiarism checking using **Drillbit** software, empowering users to uphold the highest standards of academic honesty and originality.

❖ **Library Management Software:** The ASTU Central Library utilizes KOHA software as its library management system, with a total of **504** books catalogued in the system.

❖ **ERP (Enterprise Resource Planning) Library Module:** ASTU's central library has an efficient Enterprise Resource Planning (ERP) module. Presently, it has recorded entries for **35G** books.

(ii) DIGITAL CLASSROOM:

Digital interactive board with internet facility and audio systems are available in most of the class rooms of the academic block. The photographs of some of the classrooms are shown below.

(iii) DIGITAL CONFERENCE HALL:

(iv) HIGH SPEED INTERNET FACILITY:

The High speed 100 Mbps NKN internet connectivity (optical fibre, leased line connection) is available. The Wi-Fi connectivity facility is also available in the whole campus.

(v) CCTV CAMERAS –

Campus Surveillance | Facilities and Operations

The University campus and classrooms are fully equipped with CCTV Camera system for better security performance which helps to monitor the daily activities of the students, staff, worker and publics inside the campus regularly.

BROCHURE 2025-26

GLIMPSES OF THE PAST INDUCTION PROGRAM

Induction program

The University conducted the orientation program for newly admitted students at the beginning of every academic year. The Orientation program provides the opportunity to the new students about the academic programs, available facilities and resources and related scopes. The objective is to help the newly admitted undergraduate students to familiarize with the new environment through a series of activities and sessions organized as part of the program. As per course curricula, the Induction program is conducted by ASTU for 2-3 week at beginning of the academic session for the newly admitted students.

ADMISSION NOTIFICATION

FOR THE ACADEMIC SESSION 2025-26

ACADEMIC PROGRAMS

The School of Engineering, ASTU currently have the following academic departments –

1.   Computer Science Engineering:

Program Offered – i) B Tech in Computer Science Engineering (Specialization: Artificial Intelligence and Machine Learning, Artificial Intelligence, Data Science, Cyber Security and Internet of Things)

ii) M Tech in Computer Science Engineering

iii) Ph D Program

2. Energy Engineering:

Program Offered – i) M Tech in Energy Engineering

ii) Ph D Program

MINIMUM ELIGIBILITY

FOR ASTU IN-CAMPUS PROGRAM:

1.   **For B Tech Program:**

Eligibility:

- As per AICTE approval process handbook 2024-25 to 2026-27, page no. 108. Candidates should have passed 10+2 examination with - Physics, Mathematics, and any one of the following subjects: 1. Chemistry, 2. Computer Science, 3. Electronics, 4. Instrumentation Technology, 5. Biology, 6. Informatics practices, 7. Bio-technology, 8. Technical Vocational subject, 9. Agriculture, 10. Engineering Graphics, 11. Business Studies, 12. Entrepreneurship.
- Candidates must have atleast 45% marks (40% marks in case of candidates belonging to SC, ST in the above subjects taken together) in 10+2 examination.
- The candidate must not be below 17 years of age on 1st July, 2025.
- The Candidate must possess a good moral character.
- The Candidate must be physically and mentally fit.

ADMISSION CRITERIA AND PROCEDURE

Selection will be done by considering the eligible candidates credentials in the following order in the respective B.Tech program:

i.   First 10 (ten) seats by JEE-2024 rank (with reservation policy of Govt. of Assam, as applicable).

ii.   Vacant seats from (i) will be filled up by CEE-2024 rank (with reservation policy of Govt. of Assam, as applicable).

iii.   If need arises, seats remaining vacant after (i) and (ii) will be filled up on the merit of written test conducted by the university.

HOW TO APPLY

- Applications for admission in B. Tech/M. Tech programs shall be through Online Mode only. No other means of application shall be accepted.

- For submission of the Online Application Form, intending candidates are advised to follow the instructions to be available in the ASTU Admission - 2025 Portal in the website - www.astu.ac.in.

- Application Fees, per program, per candidate 1000/- (Rupees One Thousand only)

1. For M Tech Programs

a) Computer Science Engineering:

Admission Procedure/Eligibility Criteria

a) B.Tech. (Computer Science and Engineering or Information Technology or Electronics and Communication Engineering or Electrical and Electronics Engineering) or MCA or M.Sc. (Information Technology or Computer Science) with a minimum of 50% marks (45% for ST and SC) in aggregate (or equivalent CGPA) or equivalent. Candidates waiting for last semester BE/ B Tech results in the above-mentioned branches may also apply, but will have to submit the required documents within a stipulated period to be specified by the selection committee.

b) Candidates with valid GATE score in the above-mentioned branches will be preferred and admitted on merit basis (as per GATE score).

c) The remaining vacant seats will be filled up through the university entrance examination ASTUEE 2025.

d) Statutory Reservation and Relaxation Policy shall be followed as per the Government Rules.

e) The list of selected candidates for counseling/admission will be notified in the university website https://astu.ac.in/

f) The selected candidates must have to produce the original testimonials and certificates at the time of counseling/admission.

g) For any clarification, queries may be sent to: head.ee@astu.ac.in

b) Energy Engineering:

Admission Procedure/Eligibility Criteria

a. BE/B Tech in Chemical/ Mechanical/ Electrical/ Energy/ Electronics/ Instrumentation/ Agricultural Engineering and other relevant disciplines with a minimum of 50% marks (45% for ST and SC) in aggregate (or equivalent CGPA). Candidates waiting for last semester BE/ B Tech results in the above-mentioned branches may also apply, but will have to submit the required documents within a stipulated period to be specified by the selection committee.

b. Candidates with valid GATE score in the above-mentioned branches will be preferred and admitted on merit basis (as per GATE score).

c. The remaining vacant seats will be filled up through the university entrance examination ASTUEE 2025

d. Statutory Reservation and Relaxation Policy shall be followed as per the Government Rules.

e. The list of selected candidates for counseling/admission will be notified in the university website https://astu.ac.in/

f. The selected candidates must have to produce the original testimonials and certificates at the time of counseling/admission.

g. For any clarification, queries may be sent to: head.ee@astu.ac.in

Self-Financing Scheme

1) The university is currently starting the on-line registration for admission for the following programs for academic session 2025-26 –
   a) B Tech in Computer Science Engineering (Specialization: Artificial Intelligence and Machine Learning, Artificial Intelligence, Data Science, Cyber Security and Internet of Things)
   b) M Tech in Computer Science Engineering
   c) M Tech in Energy Engineering

2) As the courses are in self-financing mode, the University reserves the right not to start the courses if student enrollment in the specific course is less than 50% of the intake capacity.

3) No financial support/scholarship will be provided to the students by the University.

4) Candidate and his/her parent /guardian should submit a declaration in the prescribed form before commencement of class.

5) Special fees, including development fees, etc. once paid by the student, will not be refunded under any circumstances.

6) The admitted students should obey the rules and regulations in force, and the University reserves the right to dismiss a student in case of disobedience.

7) The University is not responsible for any accident to the students due to careless handling of equipment/chemical.

8) No hostel facility will be provided. The students need to bear the cost for his/ her personal accommodation, and transport.

9) Application for extension of time for payment of fees will neither be acknowledged nor entertained.

10) Admission secured on false statements / by suppression of facts, etc. is liable to be cancelled at any time, without giving any explanation/argument.

11) It is responsibility of the applicants to satisfy themselves that they are eligible for admission to the course they seek.

12) The Self-Financing International Students Scheme provides facilities to those students who would like to fully finance their students, stay and meet all expenses by themselves.

13) Foreign students are required to apply directly to the university concerned, which would then issue a provisional admission letter, depending upon the eligibility. Based on the admission letter, a student visa is issued by the Consulate. No international student can be admitted to the university without a student's visa. A valid residential permit in India, granted for studies by Ministry of external Affairs, Govt. of India, is treated at par with a student's visa.

Notes:
   a) In exceptional situations, the University reserves the right not to offer the course(s) without assigning any reason. In such case, no student would be admitted for the concerned course(s).
   b) The admitted students are encouraged to seek the financial support from non-university funds.

ADMISSION CALENDAR 2025

FOR IN-CAMPUS B TECH PROGRAM
Event Date

1	Commencement of online application	12th May, 2025
2	Last date for submission of online application	5th June, 2025
3	Admission Counselling Session	10th - 14th June, 2025
4	Announcement of Open Merit List	19th June, 2025
5	Online Document Upload & Fee Payment	23rd - 26th June, 2025
6	Announcement of 1st Wait List	30th June, 2025
7	Online Document Upload & Fee Payment	3rd – 5th July, 2025
8	Announcement of 2nd Wait List	8th July, 2025
9	Online Document & Fee Payment	10th - 12th July, 2025
10	Document Verification	14th – 15th July, 2025
11	Commencement of Semester	21st July, 2025

Note: The university reserves the right to update/change the above.

BROCHURE 2025-26

FOR IN-CAMPUS M TECH PROGRAMS

Event Date

1	Commencement of on-line application	20th May, 2025
2	Last date for submission of on-line application	12th June, 2025
3	Announcement of Open Merit List (For GATE qualified candidates)	19th June, 2025
4	Documents verification, Admission and Fee Payment (For GATE qualified candidates)	26th June, 2025
5	Announcement of Admission TEST (ASTUEE 2025)	7th July, 2025
6	Announcement of ASTUEE 2025 1st Merit List	11th July, 2025
7	Documents verification, Admission and Fee Payment (For ASTUEE 2025 1st Merit List)	14th – 16th July, 2025
8	Announcement of 2nd Wait List	17th July, 2025
9	Documents verification, Admission and Fee Payment (For ASTUEE 2025 2nd Wait List)	21st – 23rd July, 2025
10	Commencement of Semester	28th July, 2025

Note: The university reserves the right to update/change the above.

PROGRAM WISE INTAKE CAPACITY

A) B.Tech. Programs-

B.Tech Computer Science and Engineering (Artificial Intelligence and Machine Learning)	30 seats
B.Tech Computer Science and Engineering (Artificial Intelligence)	30 seats
B.Tech Computer Science and Engineering (Cyber Security)	30 seats
B.Tech Computer Science and Engineering (Data Science)	30 seats
B.Tech Computer Science and Engineering (Internet of Things)	30 seats (subject to response and availability)

B) M. Tech. Programs

M.Tech. in Computer Science and Engineering	18 seats
M.Tech. in Energy Engineering	18 seats

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COMMON COURSE STRUCTURE

a) For 4 Years B. Tech. Programs

1ST SEMESTER					
Sl No.	Course Title	L	T	P	Credit
1	Basic Science-I	3	1	0	4
2	Basic Science-II	3	1	0	4
3	Engineering Science-I	3	0	0	3
4	Engineering Science-II	1	0	4	3
5	Communication skill-I	1	0	2	2
6	Basic Science-I Lab	0	0	2	1
7	Engineering Science-I Lab	0	0	2	1
8	Humanities and Social Sciences-I	2	0	0	2
9	Mandatory Course-I	0	0	4	0
10	Engineering Science-II Lab	0	0	2	1
TOTAL CREDITS					21

2ND SEMESTER					
Sl No.	Course Title	L	T	P	Credit
1	Basic Science-III	3	1	0	4
2	Basic Science-IV	3	1	0	4
3	Basic Science-V	3	0	0	3
4	Engineering Science-III	2	0	2	3
5	Engineering Science-IV	2	0	2	3
6	Humanities and Social Sciences-II	3	0	0	3
7	Basic Science-III Lab	0	0	2	1
8	Mandatory Course-II	0	0	2	0
TOTAL CREDITS					21

3RD SEMESTER

Sl. No.	Course Title	L	T	P	Credit
1.	Professional Core –I	3	0	0	3
2.	Professional Core - II	3	0	0	3
3.	Basic Science-VI	3	1	0	4
4.	Professional Core-III	3	0	2	4
5.	Professional Core-IV	3	0	2	4
6.	Laboratory- Professional Core-I	0	0	4	2
7.	Laboratory- Professional Core-II	0	0	4	2
TOTAL CREDITS					22

4TH SEMESTER

Sl. No.	Course Title	L	T	P	Credit
1.	Professional Core-V	3	1	0	4
2.	Professional Core-VI	3	1	0	4
3.	Professional Core-VII	3	0	2	4
4.	Professional Core-VIII	3	0	2	4
5.	Basic Science-VII	3	1	0	4
6.	Laboratory- Professional Core-III	0	0	4	2
7.	Mandatory Course-III	2	0	0	0
TOTAL CREDITS					22

5TH SEMESTER

Sl. No.	Course Title	L	T	P	Credit
1.	Professional Core-IX	3	1	0	4
2.	Professional Core-X	3	0	2	4
3.	Open Elective-I	3	0	0	3
4.	Professional Elective-I	3	0	0	3
5.	Laboratory- Professional Core-IV	0	0	4	2
6.	Internship/Vocational Training with Seminar-I	0	0	8	4
7.	Mandatory Course-IV	2	0	0	0
TOTAL CREDITS					20

6TH SEMESTER

Sl. No.	Course Title	L	T	P	Credit
1.	Professional Core-XI	3	0	0	3
2.	Professional Core-XII	3	0	2	4
3.	Professional Core-XIII	3	0	0	3
4.	Open Elective-I	3	0	0	3
5.	Professional Elective-I	3	0	0	3
6.	Laboratory- Professional Core-V	0	0	4	2
7.	Humanities and Social Sciences-III	3	0	0	3
8.	Minor Project-I with Seminar	0	0	4	2
TOTAL CREDITS					**23**

7TH SEMESTER

Sl. No.	Course Title	L	T	P	Credit
1.	Professional Elective-XIV	3	0	0	3
2.	Open Elective-II	3	0	0	3
3.	Professional Elective-XV	3	0	0	3
4.	Internship/Vocational Training with Seminar-II	0	0	6	3
5.	Major Project-I with Seminar	0	0	16	8
TOTAL CREDITS					**20**

8TH SEMESTER

Sl. No.	Course Title	L	T	P	Credit
1.	Professional Elective-XVI	3	0	0	3
2.	Open Elective-III	3	0	0	3
3.	Major Project-II with Seminar	0	0	24	12
TOTAL CREDITS					**18**

Total Credit points (with breakup semester wise)			
1st Semester	21	2nd Semester	21
3rd Semester	22	4th Semester	22
5th Semester	20	6th Semester	23
7th Semester	20	8th Semester	18
		TOTAL CREDITS:	167

b) For M.Tech (Energy Engineering) program:

Course code	Name	Scheme of Studies Per Week L– T - P	Credits C
SEMESTER-I			
EECC18101	Foundation for Energy Engineering	2-2-0	**3**
EECC18102	Solar and Bio Energy Technologies	2-2-0	**3**
EECC18103	Energy System Modeling& Optimization	2-2-0	**3**
EEPE181xx	Elective I	3-0-0	**3**
EELC18101	Energy Lab-I	0-0-4	**2**
EELC18102	Energy Lab-II	0-0-4	**2**
EERM18101	Research Methodology and IPR	2-0-0	**2**
EEAC18-0x	Audit Course 1	2-0-0	**0**
Total			**18**

Course code	Name	Scheme	Credits
SEMESTER-II			
EECC18201	Alternative Energy Technologies	3-0-0	3
EEPE182xx	Elective-II	3-0-0	3
EEPE182xx	Elective-III	3-0-0	3
EEPE182xx	Elective -IV	3-0-0	3
EELC18201	Energy Lab-III	0-0-4	2
EELC18202	Energy Lab-IV	0-0-4	2
EEMP18201	Studies with Community MINI PROJECT	0-0-4	1
EEMP18202	Factory/Industry/Site Visit [MINI PROJECT]	0-0-4	1
EEAC18-0x	Audit Course 2	2-0-0	0
Total credits			**18**

Course code	Name	Scheme	Credits
SEMESTER-III			
EEPE1830x	Elective -V	3-0-0	3
EEOE18-0x	Open Elective	3-0-0	3
EED18P-I	Dissertation Phase – I	0-0-20	10
Total Credits			16

	Name	Scheme	Credits
SEMESTER-IV			
	Dissertation Phase – II	0-0-32	16
Total credits			**16**

c) For M.Tech (Computer Science Engineering) program:

Sl No	Subjects	Contacts (Periods Per Week)				Credit Points
1st Semester						
		L	T	P	Total	
1.	Professional Core-I	3	0	0	3	3
2.	Professional Core - II	3	0	0	3	3
3.	Basic Science-I	3	0	0	3	3
4.	Program Elective-I	3	0	0	3	3
5.	Open Elective-I	3	0	0	3	3
6.	Laboratory- Professional Core-I	0	0	4	2	2
7.	Research Methodology and IPR	2	0	0	2	2
8.	Audit Course-I	2	0	0	0	0
Total Credits						**19**

2nd Semester						
1	Professional Core-III	3	0	0	3	3
2	Professional Core - IV	3	0	0	3	3
3	Professional Core-V	3	0	0	3	3
4	Professional Core -IV Lab	0	0	4	2	2
5	Program Elective-II	3	0	0	3	3
6	Program Elective-III	3	0	0	3	3
7	Audit Course-II	2	0	0	0	0
Total Credits						**17**

3rd Semester						
1	Mini Project	0	0	8	4	4
2	Dissertation Phase-I	0	0	24	12	12
Total Credits						**16**

4th Semester						
1	Dissertation Phase-II	0	0	32	16	**16**
Total Credits						**16**

Fee Structure (self-financing programs) for the students to be admitted for the academic session 2025-26:

a) For B.Tech Course

Sl No.	Semester	Admission Fee (non-refundable) (Rs.)	Campus Development Fee (non-refundable) (Rs.)	Course Fee (Rs.)	Total (Rs.)
1	1st	10000	10000	50000	70000
2	2nd	10000	10000	40000	60000
3	3rd	10000	10000	55000	75000
4	4th	10000	10000	45000	65000
5	5th	10000	10000	60000	80000
6	6th	10000	10000	50000	70000
7	7th	10000	10000	65000	85000
8	8th	10000	10000	55000	75000

b) For M. Tech Courses

Sl No.	Semester	Admission Fee (non-refundable) (Rs.)	Campus Development Fee (non-refundable) (Rs.)	Course Fee (Rs.)	Total (Rs.)
1	1st	10,000	10,000	60,000	80,000
2	2nd	10,000	10,000	50,000	70,000
3	3rd	10,000	10,000	65,000	85,000
4	4th	10,000	10,000	55,000	75,000

Note:
Fees once deposited, will not be refunded. However, in case the student wishes to withdraw the admission fee for taking admission to other Institute/University, he would be eligible for the refund of the "Course fee" component as per UGG regulation 2018, after producing valid evidence of his/her admission to the other AICTE Recognized Institute/University.

ADDITIONAL INFORMATIONS ABOUT ASTU

LIST OF AFFILIATED COLLEGES UNDER ASTU

1. Assam Engineering College, Jalukbari, Guwahati.
2. Jorhat engineering College, Jorhat.
3. Jorhat Institute of Science and Technology, Jorhat.
4. Bineswar Brahma Engineering College, Kokrajhar.
5. Barak Valley Engineering College, Karimganj
6. Golaghat Engineering College, Golaghat
7. Dhemaji Engineering College, Dhemaji
8. Scholars Institute of Technology and Management, Guwahati
9. Girijananda Chowdhury Institute of Management & Technology (GIMT), Guwahati
10. Girijananda Chowdhury Institute of Management & Technology (GIMT), Tezpur
11. NETES Institute of Technology & Science Mirza (NITS), Mirza, Assam
12. Royal School of Engineering & Technology (RSET) (till academic session 2016-17)
13. Pratiksha Institute of Pharmaceutical Sciences, Guwahati
14. NETES Institute of Pharmaceutical Science, Mirza, Assam
15. Assam Institute of Management, Guwahati
16. NERIM, Guwahati
17. Girijananda Chowdhury Institute of Pharmaceutical Science (GIPS), Azara, Guwahati
18. Guwahati College of Architecture (GCA), Guwahati
19. Brahmaputra College, Guwahati
20. Rahman Institute of Pharmaceutical Sciences and Research (RIPSR), Guwahati
21. NIRD Mangaldai
22. North Eastern Regional Institute of Water and Land Management, Tezpur
23. PUB-Kamrup College, Baihata Chariali
24. Silapathar Science College, Silapathar
25. CT College, Tinsukia
26. North East Institute of Management and Science (NEIMS), Jorhat
27. Daffodil College of Horticulture, Vidyanagar, Khetri, Assam
28. Girijananda Chowdhury Institute of Pharmaceutical Science - Tezpur
29. National Institute of Electronics and Information Technology (NIELIT), Guwahati
30. Dibrugarh Hanumanbax Surajmall Kanoi College (DHSK)
31. Dona International Institute of Assam, Guwahati
32. Seva Bharati Purbanchal (Seva Bharati Institute of Fire, Safety and Disaster Management)
33. Asian Mission Institute of Pharmaceutical Sciences, Barpeta

BROCHURE 2025-26

ACADEMIC PROGRAMS

The University provides education and research in the field of Science, Technology and other professional courses through its affiliated colleges in the disciplines of science, technology and professional programs. At present, all the government engineering colleges of Assam are affiliated with ASTU. Apart from the affiliated colleges, the university has its own in-campus UG, PG and Ph D programs.

To fostering academic excellence and providing students with a comprehensive educational experience that prepares them for the challenges of the modern world, ASTU have implemented a Common Uniform Academic Program across all departments and disciplines.

The syllabus of the courses under the university are revised based on the recommendations of regulatory bodies such as AICTE, UGC, PCI, CAI, ICAR etc. The university has adopted the NEP 2020 in the curriculum of the University. The different courses offered by the university in 2024-25 are as follows -

Sl. No.	Programme
1	Advance Diploma
2	Bachelor of Architecture
3	Bachelor of Pharmacy
4	Bachelor of Science (Hons.)
5	Bachelor of Technology
6	Bachelor of Business Administration
7	Bachelor of Computer Applications
8	Bachelor of Tourism Management
9	Diploma courses
10	Integrated M. Sc.
11	Master of Pharmacy
12	Master of Planning
13	Master of Science
14	Master of Technology
15	Master of Vocational Courses
16	Masters in Hospital Administration
17	Master of Computer Applications
18	Master of Tourism Management
19	Bachelor of Pharmacy(Practice)
20	Master of Business Administration (Trimester Mode)
21	Doctorate program (Ph. D.)

Ph.D Research Centres

	Name of the Centres	PhD Disciplines
1	Assam Engineering College	Civil Engineering, Electrical Engineering, Mechanical Engineering, Chemical Engineering, Computer Science and Engineering, Electronics and Communications Engineering and Chemistry
2	Assam Institute of Management	Business Administration
3	NIPS, MIRZA	Pharmacy
4	Jorhat Engineering College, Jorhat	Mechanical Engineering, Computer Science and Engineering, Instrumentation Engineering, Civil Engineering, Electrical Engineering
5	Jorhat Institute of Science and Technology, Jorhat	Physics, Chemistry. Mathematics
6	School of Engineering	Energy Engineering, Mechanical Engineering, Chemical Engineering, Computer Science and Engineering
7	NERIWALM, Tezpur	Water Resource Management

NEW EDUCATION POLICY 2020

The National Education Policy (NEP) - 2020 is the first education policy of the 21st century which is the progressive and futuristic plan of Government of India for the paradigm shift in the entire education system of India starting from pre-primary education to higher education. The vision of the NEP-2020 is to make the higher education more inclusive, holistic, and multidisciplinary in nature.

Assam Science and Technology University (ASTU) has collectively worked out to understand and explore the possibilities for a systematic implementation of NEP-2020 for the benefit of our stakeholders, and to our society. The administrator and faculty members of ASTU prepared the road map for implementation of NEP-2020 on basis of the several webinars/seminar/conferences/expert lectures, conducted by the Ministry of Education, Government of India. The first phase comprehensive action plan of NEP-2020 for different UG/PG programs has been adopted in the university as well as all the affiliated colleges of ASTU from the 2023-24 session.

To fulfil the vision of NEP-2020, the state government of Assam has recently declared to Assam Science and Technology University as a Teaching and Research University to conduct multi-disciplinary research and academic activities by establishing essential infrastructure.

For aligning the university as per NEP-2020 goals, ASTU has planned to focus on research and innovation.

The main features of the recent curriculum & syllabi are

- Student centric flexible curriculum.
- Multi-disciplinary learning-based curriculum.
- Ability Enhancement Compulsory course, Skill Enhancement Compulsory Course, Value Added Course, Product Design and Development, and Do It Yourself (DIY) are some of the significant features in the curriculum.
- Compulsory Internship.

Cleanliness, Hygiene and Greenery of Campuses

Cleanliness and hygiene practices are being followed in the University and its affiliated institutions. Say No to Plastic Water Bottles, Environment Day, E-waste Managements, Swachh Bharat Abhiyan, Plantation drive are few of the initiatives being undertaken by the University. Installed a Plasma pyrolysis plant under the financial assistance of S&T department, Govt of Assam for safe disposal of MSW.

অসম বিজ্ঞান আৰু প্ৰযুক্তিবিদ্যা বিশ্ববিদ্যালয়
Assam Science and Technology University

PHOTO GALLERY

Prof. Narendra S Chaudhari, Vice Chancellor with
Shri Lakshman Prasad Acharya, Hon'ble Chancellor, ASTU and
His Excellency, Governor of Assam

Meeting with Hon'ble Minister of Education, Govt
of Assam at ASTU conference Hall

Vice Chancellor- Prof. Narendra S Chaudhari with Hon'ble Union
Cabinet Minister - Ministry of Ports, Shipping and Waterways Cabinet
Minister- Sjt. Sarbananda Sonowal

Meeting of Vice Chancellor with Hon'ble Minister of State for External Affairs and Textiles, Shri Pabitra Margherita

Discussion with Hon'ble Chairman, AICTE during his visit to ASTU with Hon'ble Vice Chancellor and faculty members of ASTU at Vice Chancellor's office

Induction Program of ASTU for the Foundation batch of B.Tech in Computer Science and Engineering: Students with Sjt. Hemanga Thakuria, Hon'ble Member of Legislative Assembly, Assam

Hon'ble Vice Chancellor, ASTU with Hon'ble Vice Chancellor, Prof. (Dr.) Rakesh Singhai, Devi Ahilya Vishwavidyalaya (DAVV) , Indore

ASTU Convocation

Students during Convocation