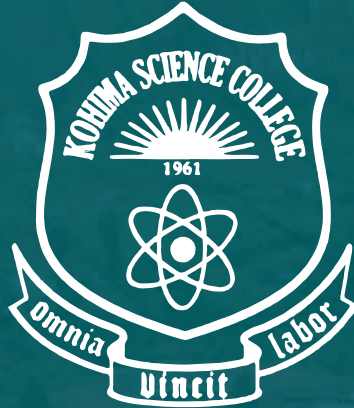


PROSPECTUS 2024

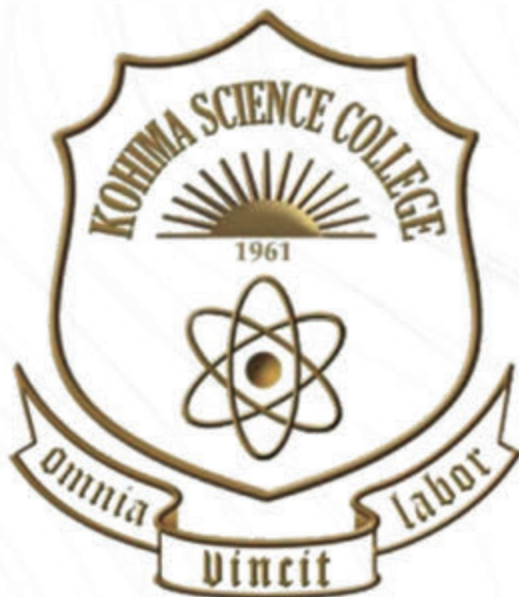


KOHIMA SCIENCE COLLEGE

AN AUTONOMOUS GOVERNMENT P.G. COLLEGE
JOTSOMA, KOHIMA - 797002, NAGALAND

PROSPECTUS 2024





LABOUR OVERCOMES EVERYTHING

THE EMBLEM

designed by

LT. KEDUONYÜ SEKHOSÉ | LT. J. B. JASOKIE | LT. AKUM IMLONG
IN 1962

bears the rising sun over an atomic structure signifying the aspirations, achievement of mankind in the field of Science.



FOUNDING MEMBERS

- **DR. NEILHOZHÜ K. ANGAMI**
- **KEDUONYÜ SEKHOSE**
- **U. M. DEB**
- **J. B. JASOKIE**
- **VIZOL ANGAMI**
- **AKUM IMLONG**
- **REV. HAIZOTUO MUNSHI**

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Principal, KSCJ

Smti. Salhoutuonuo Kruse

Hon'ble Minister Women Resource &
Development, & Horticulture

President & Secretary, Jotsoma Nature
Conservation & Eco Tourism Society

Dr. Vizovol Mekro

Mr. Richard Belho

Smti. Levi Keor

OSD Directorate of Higher Education

Prof. Tiatoshi Jamir

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- **Member**

- **Member**

- **Member**

- **Member**

- **Member**

- **Member**

- **Member**

- **Member**



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Pro Vice Chancellor, Nagaland University

- **Chairperson**

Principal, KSCJ

- **Member Secretary**

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Deptt. of Statistics, Dibrugarh University, Assam

- **Member** (UGC Nominee)

Prof. Santosh Kumar
Deptt. of Geology, Nagaland University

- **Member** (NU Nominee)

Dr. Watijungshi Jamir,
Retired Addl. Director, Directorate of Higher Education

- **Member**

Dr. V. Tina Khamo, Senior Pathologist and Head
Health Care and Research Laboratory

- **Member**

Dr. Norbert Noraho, Retired Director, HE
Vice Principal, KSCJ

- **Member**

Dr. Limatemjen, Dean of Sciences

- **Member**

- **Member**



ACADEMIC COUNCIL

Dr. Temjenwabang, Principal

Mrs. R. Moasangla Jamir, Vice Principal

- **Chairman**

- **Member Secretary**

MEMBERS

ALL HODS IN THE COLLEGE	EXTERNAL EXPERT MEMBERS
Ms. Kevilhuninuo Nagi (Anthropology)	Mr. Neichüte Doulo, CEO, Entrepreneur Associates
Dr. Wenyitso Kapfo (Botany)	Mr. Kezhokphoto Savi, Advocate & Faculty, Kohima Law College
Dr. K. K. Tiwari (Chemistry)	
Dr. Prajadhip Sinha (Computer Science)	Dr. Sedengulie Nagi, Senior Specialist, NHAK
Mrs. M. Amenla (English)	
Mrs. Aleno Doulo (Geology)	Dr. Renthungo Jungio, Court Officer, GHC, (Kohima Bench)
Ms. Rongdensüngla Lkr. (Geography)	
Dr. Hemanta Konwar (Mathematics)	UNIVERSITY NOMINEES
Dr Chetan Kachhara (Physics)	Dean, School of Science, NU. Lumani
Dr. Pallab Changkakoti (Statistics)	Dean, School of Humanities and Education, NU, Kohima Campus, Meriema
Ms. Vizomenuo Merlyn Yhome (Tenyidie)	
Dr. (Mrs.) Anungla Pongener (Zoology)	Prof. Rosemary Dzüvichü, Deptt. of English, NU, Kohima Campus, Meriema
Mr Teisovi Gerard Meyase (Controller of Examinations)	

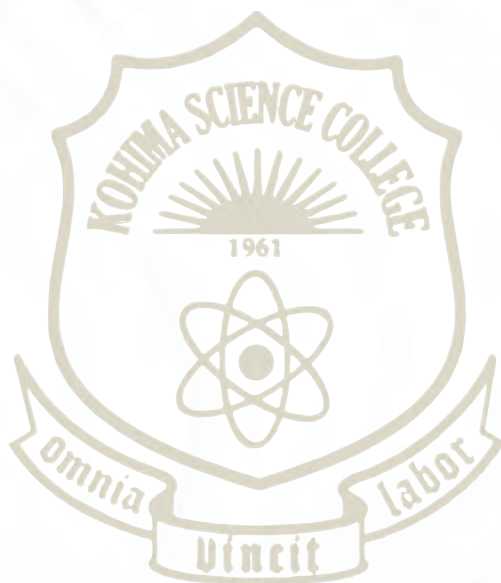
REPRESENTATIVE OF DIFFERENT CATEGORIES OF TEACHING STAFF

Dr. Seyiekhrielie Whiso, Associate Professor
Dr. Vethselo Doulo, Assistant Professor
Dr. Sedevikho Chase, Assistant Professor



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Message

FROM THE PRINCIPAL



DR. TEMJENWABANG

Principal
Kohima Science College, Jotsoma

The National Education Policy 2020 (NEP 2020) envision an education system rooted in Indian ethos that contributes directly to transforming India sustainably into an equitable and vibrant society by providing high-quality education to all and thereby making India a global knowledge superpower. It envisages a broad-based multidisciplinary holistic education at the undergraduate level which will help develop well-rounded individuals with 21st century critical skill.

In accordance with the NEP 2020 the University Grants Commission (UGC) has formulated a new student-centric curriculum and credit framework for undergraduate program incorporating a flexible choice-based credit system, multidisciplinary approach and multiple entry and exit options which will facilitate students to pursue a career path by choosing the subject or field of their interest.

Accordingly, the Kohima Science College (Autonomous) proposes to implement this new curriculum and credit framework from the 2024-25 session onwards which will allow learners the opportunity to experience the full range of holistic and multidisciplinary education in addition to their chosen major and minor subjects as per their choice. This new undergraduate degree programs are either 3 or 4-years duration with multiple entry and exit points and re-entry option with appropriate certification. Under this framework, a student will have multiple options to exit the course at different point of time. The student will have the option to exit a course with an Undergraduate Certificate (UG Certificate) after completion of 1-year (2 semesters) of study in a chosen field or with a UG diploma after 2-years (4 semesters) or with a bachelor's degree after 3-years (6 semesters) or with a 4-years (8 semesters) bachelor's degree with honours or with a 4-years bachelor's degree with honours and research after completion of a rigorous research project in their major area of study.

It is important to keep pace with the change of time and the remarkable changes occurring in the higher education landscape. Accordingly, the transition of our education system towards interdisciplinary and multidisciplinary studies has prompted us to enter into collaborations with many other institutions and industries for academic collaborations and internship programs so that our students are updated with the contemporary knowledge and skills of the time.

As we witness the implementation of NEP2020, let us remain hopeful about the positive impact it will have in the lives of many young Indians and shape a better education system in India.

College

P R O F I L E

BACKGROUND

Kohima Science College, Jotsoma, established in 1961, is recognized under Section 2(f) and 12(B) of the UGC Act, 1956. In 2021 the teaching level of the college was upgraded from Bachelor's to Master's degree in the list of colleges included under section 2(f) & 12(B) of the UGC Act, 1956. The college has Grade A accreditation in its UGC-NAAC assessment in 2011 & 2017 with CGPA of 3.05 and 3.42 respectively. The college was granted Autonomy by UGC in 2014. Consequently, this has enabled the college to introduce the Choice-Based Credit System curriculum in 2016. In 2021 the college was granted autonomy for another 5 years till 2025.

The state of Nagaland has gone through many phases throwing up new challenges. There has been a steady rise towards literacy, increase in science and allied services, a deeper realization of the need for equal opportunity, the importance of cost-cutting to make education more inclusive, top end research, and intellectual property rights. These are expectations and obligations not easy to fulfill, but with continuous support and diligence from all the stakeholders KSCJ will continue to write its story of success.

As one of the State's finest colleges, Kohima Science College has been trying its best in giving inclusive and affordable education to the people. The stake holders are aware that the college has the potential to deliver more and serve the people of the State and the region in a much bigger way. The college continues to work hard towards this goal.





LOCATION

Kohima Science College is located about 8 km west of Kohima, Nagaland's capital, at Jotsoma village (Kohima is 74 km from Dimapur, Nagaland's only railway station and airport). Situated at an altitude of 1671 meters, the campus is nestled among the serene and evergreen Japanese cedars and the lovely cherries. It commands a panoramic view of Kohima town on the east, while Mt. Pulie Badze and the other undulating hills of the Barail range present a lush green tropical ambience on the south-west providing a natural serenity conducive for study.

VISION

TO IMPACT THE SOCIETY AS A PREEMINENT INSTITUTION OF TEACHING, LEARNING, RESEARCH, INNOVATION AND LEADERSHIP.

MISSION STATEMENT

Kohima Science College, Jotsoma was founded in 1961 with a mission to encourage and impart science education, and has since remained a preeminent college in the state of Nagaland and the N.E. India. With the changing times, the college has remodeled its mission to respond to the emerging needs of the contemporary society by expanding its focal area yet retaining its focus on the original mission. Our vision is built on the following pillars of mission-specific actions:

- Develop and maintain high academic standards in terms of curricula content and teachers' academic proficiency in accordance with the changing academic and social benchmarks while being firmly anchored in immutable moral values.
- Adopt student-centric policies to foster academic excellence, innovation and entrepreneurship. Promote student leadership, talents and social engagement with international outlook yet weaned in an environment of respect for regional ethos and cultural identities.
- Carry out creative and socially relevant research among faculty and students to create a database of knowledge for the state and the society at large with focus on efficient technology transfer.
- Institutionalize innovative and best practices in the workplace by creating transparent and decentralized working environment that promotes shared vision and spirit of teamwork amongst the students and the faculty members.



UNDERGRADUATE CERTIFICATE, DIPLOMA & DEGREE PROGRAMME FOR SCIENCE AND ARTS

The National Education Policy (NEP) 2020 states, "Assessments of educational approaches in undergraduate education that integrate the humanities and arts with Science, Technology, Engineering and Mathematics (STEM) have consistently shown positive learning outcomes, including increased creativity and innovation, critical thinking and higher-order thinking capacities, problem-solving abilities, teamwork, communication skills, more in-depth learning and mastery of curricula across fields, increases in social and moral awareness, etc., besides general engagement and enjoyment of learning"

In accordance with the NEP 2020 and guidelines given by UGC, the college will be following the new curriculum framework from this academic session onwards. UGC has formulated a new student-centric "Curriculum and Credit Framework for Undergraduate Programmes (CCFUP)" incorporating a flexible choice-based credit system, multidisciplinary approach, and multiple entry and exit options. This will facilitate students to pursue their career path by choosing the subject/field of their interest.

The college will offer undergraduate degree programmes of either 3 or 4-year duration, with multiple entry and exit points and re-entry options, with appropriate certifications such as:

- **UG Certificate:** Students who opt to exit after completion of the first year and have secured 40 credits will be awarded a UG certificate if, in addition, they complete one vocational course of 4 credits during the summer vacation of the first year. These students are allowed to re-enter the degree programme within three years and complete the degree programme within the stipulated maximum period of seven years.
- **UG Diploma:** Students who opt to exit after completion of the second year and have secured 80 credits will be awarded the UG diploma if, in addition, they complete one vocational course of 4 credits during the summer vacation of the second year. These students are allowed to re-enter within a period of three years and complete the degree programme within the maximum period of seven years.



- **3-year UG Degree:** Students who wish to undergo a 3-year UG programme will be awarded UG Degree in the Major discipline after successful completion of three years, securing 120 credits and satisfying the minimum credit requirement.
- **4-year UG Degree (Honours):** A four-year UG Honours degree in the major discipline will be awarded to those who complete a four-year degree programme with 160 credits and have satisfied the credit requirements.
- **4-year UG Degree (Honours with Research):** Students who secure 75% marks and above in the first six semesters and wish to undertake research at the undergraduate level can choose a research stream in the fourth year. They should do a research project or dissertation under the guidance of a faculty member of the University/College. The research project/dissertation will be in the major discipline. The students who secure 160 credits, including 12 credits from a research project/dissertation, are awarded UG Degree (Honours with Research).

As per the college norms, a student having less than 80% attendance shall not be allowed to appear end semester examinations.

SUBJECT, COURSE STRUCTURE & COURSE OFFERED

Any one of the following stream may be opted as Core Subject.

- | | |
|-----------------------|--------------------------------|
| 1. Anthropology | – 65 seats (BSc - 52, BA - 13) |
| 2. Botany | – 75 seats |
| 3. Chemistry | – 75 seats |
| 4. (a) Geography B.Sc | – 35 seats |
| (b) Geography B.A | – 30 seats |
| 5. Geology | – 65 seats |
| 6. Mathematics | – 75 seats |
| 7. Physics | – 75 seats |
| 8. Statistics | – 65 seats |
| 9. Zoology | – 75 seats |
| 10. Computer Science | – 65 seats |
| 11. English | – 50 seats |
| 12. Tenyidie | – 30 seats |



**Structure of the UG Programme showing Semester-wise and
Broad Course Category-wise Distribution of credits.**

Semester	Discipline Specific Courses - Core	Minor	Multi-disciplinary courses	Ability Enhancement courses (language)	Skill Enhancement courses /Internship /Dissertation	Common Value-Added Courses	Total Credits
I	MJ-1 (4 Credits)	MN-1 (4 Credits)	MDC-1 (3 Credits)	AEC-1 (3 Credits)	SEC-1 (3 Credits)	VAC-1 (3 Credits)	20
II	MJ-2 (4 Credits)	MN-2 (4 Credits)	MDC-2 (3 Credits)	AEC-2 (3 Credits)	SEC-2 (3 Credits)	VAC-2 (3 Credits)	20
Students exiting the programme after securing 40 credits will be awarded UG Certificate in the relevant Discipline /Subject provided they secure 4 credits in work based vocational courses offered during summer term or internship / Apprenticeship in addition to 6 credits from skill-based courses earned during first and second semester.							40
III	MJ-3 MJ-4 (8 Credits)	MN-3 (4 Credits)	MDC-3 (3 Credits)	AEC-3 (2 Credits)	SEC-3 (3 Credits)	-	20
IV	MJ-5 MJ-6 MJ-7 MJ-8 (16 Credits)	MN-4 (4 Credits)	-	-	-	-	20
Students exiting the programme after securing 80 credits will be awarded UG Diploma in the relevant Discipline /Subject provided they secure additional 4 credits in skill based vocational courses offered during first year or second year summer term.							80
V	MJ-9 MJ-10 MJ-11 (12 Credits)	MN-5 (4 Credits)	-	-	Internship (4 credits)	-	20
VI	MJ-12 MJ-13 MJ-14	MN-6 (4 Credits)	-	-	-	-	20
	MJ-15 (16 Credits)						
Students who want to undertake 3-year UG programme will be awarded UG Degree in the relevant Discipline /Subject upon securing 120 credits							120
VII	MJ-16 MJ-17 MJ-18 MJ-19 (16 Credits)	MN-7 (4 Credits)	-	-	-	-	20
VIII	MJ-20 (4 Credits)	MN-8 (4 Credits)	-	-	MJ-21 MJ-22 MJ-23 or [Research Project/ Dissertation](12 credits)		20
Students will be awarded UG Degree (Honours) with Research in the relevant Discipline /Subject provided they secure 160 credits							160



MULTIDISCIPLINARY COURSES (MDC)

1st Semester	
SL NO	NAME OF COURSE
1	Traditional Knowledge System I (Anthropology)
2	Indian Knowledge System -I (Botany)
3	Chemistry in Daily Life (Chemistry)
4	Office Automation Tools (Comp Sc)
5	Introductory Mathematics (Mathematics)
6	General Physics-1 (2T+1Tu) OR Introduction to Atmospheric Physics (Physics)
7	Statistical Method (Statistics)
8	Traditional knowledge-I (Theory & Practical) (Zoology)
9	National Cadet Corps 1

2nd Semester	
SL NO	NAME OF COURSE
1	Traditional Knowledge System 2 (Anthropology)
2	Indian Knowledge System -II (Botany)
3	Inorganic Materials of Industrial Importance (Chemistry)
4	Cyber Security Fundamentals (Comp Sc)
5	Quantitative Aptitude (Mathematics)
6	General Physics-2 (2T+1Tu) OR Introduction to Astronomy (2T+1P) (Physics)
7	Testing of Hypothesis (Statistics)
8	Traditional knowledge-II (Theory & Practical) (Zoology)
9	National Cadet Corps 2

3rd Semester	
SL NO	NAME OF COURSE
1	Human Ecology: Biological and Cultural Dimensions (Anthropology)
2	Natural Resource Management (Botany)
3	Green Chemistry (Chemistry)
4	Fundamentals of Graphic Designing (Comp Sc)
5	Vector Algebra/ SWAYAM (Mathematics)
6	Introduction to Nano Physics (2T+1Tu) OR Water Science (2T+1Tu) (Physics)
7	Applied Statistics (Statistics)
8	Fundamentals of Life Sciences (Theory) (Zoology)
9	National Cadet Corps 3



ABILITY ENHANCEMENT COURSES (AEC)

1st Semester	
SL NO	NAME OF COURSE
1	AEC-1 English Communication
2	AEC-1 Noudodze

2nd Semester	
SL NO	NAME OF COURSE
1	AEC-2 Language, Literature, & Creativity
2	AEC-2 Tenyidie Communication

3rd Semester	
SL NO	NAME OF COURSE
1	AEC-3 Fluency in English
2	AEC-3 Geizo mu Kelhouzho

VALUE ADDED COURSES (VAC)

1st Semester	
SL NO	NAME OF COURSE (Common)
1	Environmental Studies

2nd Semester	
SL NO	NAME OF COURSE (Discipline)
1	Tourism Anthropology (Anthropology)
2	Floriculture (Botany)
3	Indian Textiles (Chemistry)
4	E-Commerce Technologies OR Indian Knowledge System (Comp Sc)
5	Creative Writing (English)
6	Indian Traditional Knowledge (Geography)
7	Mathematics for Competitive Examinations / Vedic Mathematics (Mathematics)
8	Foundation Course in Indian Knowledge System (Physics)
9	Indian Culture and Civilization OR Healthcare Systems and Policies (Statistics)
10	Keshürho Mhasi (Theory) (Tenyidie)



RESERVATION

1. College Reservation

a. ST : 80%

b. General: 10%

c. SC, ST, & OBCs (other States): 4%

d. Non-local Indigenous inhabitant of Nagaland, domiciled inhabitants of the State, State/Central govt employees, military/paramilitary forces on the basis of merit: 3%

e. PWD (Divyangjan): 3%

2. Special Reservation

a. Alumni Quota : 2 seats

b. Land Owners' Quota : 5 seats

c. Founding Members' Quota : 7 seats

d. Sports Quota : 5 seats

e. Backward Tribes of Nagaland (Inclusive of the 80% reservation for ST of Nagaland : 2 seats (each department)

ELIGIBILITY

XII passed or equivalent from a recognized Board with a minimum of 45% in aggregate and with the following conditions if an applicant wishes to take up Honours subject:

- 45% in the subject in which one desires to take up Honours.
- 45% in Biology to take up Honours in Botany or Zoology.
- For Honours in Chemistry, Physics and Statistics, one should pass in class XII Mathematics.

ADMISSION PROCEDURE: B.SC. /B.A.

APPLICATION

All information regarding admission to B.Sc./B.A. can be accessed from the website: admission.kscj.ac.in.

The website will share details like Prospectus for 2024, links for filling up application form, taking admission and making payment, etc.

While filling up application form, you might have to upload some of or all the following documents:

- HSLC Examination Admit Card
- HSSLC Examination Mark Sheet
- ST Certificate
- Backward Tribe Certificate
- Colour Photo with white background
- Gap Certificate (for those applying after a gap of one year or more after passing the last qualifying examination)

SELECTION

The selection of students will be made based on the candidate's performance(in person) in the Entrance Test or any such screening conducted by the college. The decision of the admission committee is final and binding.



ADMISSION

At the time of admission a candidate must produce the following documents in original of the last qualifying examination:

- Mark Sheet
- Admit Card
- Pass Certificate
- Migration Certificate (for a candidate from another Board) for registration into Nagaland University.
- SC/ST/OBC/PWD Certificate(s)
- Transfer Certificate

N.B. : If a candidate fails to get admitted on the specified dates and time his/her selection is forfeited.

FEE STRUCTURE

FOR B.A./B.SC. STUDENTS

Sl No	Particular	Revenue for	Annual / Semester	Amount
1	Registration Fee	College	One Time	₹ 150.00
2	Library Security Deposit (refundable)	College	One Time	₹ 1,000.00
3	Admission Fee	Government	Semester	₹ 700.00
4	Tuition Fee	Government	Semester	₹ 500.00
5	Library	Government	Semester	₹ 500.00
6	Enrolment Fee	College	Semester	₹ 50.00
7	Library Development	College	Semester	₹ 800.00
8	Development Fee	College	Semester	₹ 1,000.00
9	Internal Examination	College	Semester	₹ 250.00
10	Session fee	College	Semester	₹ 100.00
11	IT	College	Semester	₹ 200.00
12	IQAC	College	Semester	₹ 200.00
13	Laboratory Fee	College	Semester	₹ 1500.00 (for English, Mathematics & Teyyidie) ₹ 2000.00 (for other departments)
14	Bus	College	Annual	₹ 1000.00
15	Identity Card	College	Annual	₹ 100.00
16	Electricity	College	Annual	₹ 500.00
17	Water	College	Annual	₹ 200.00
18	Monthly Bulletin	College	Annual	₹ 50.00
19	Students' Handbook	College	Annual	₹ 20.00
20	Games and Sports	College	Annual	₹ 150.00
21	Magazine	College	Annual	₹ 150.00
22	Common Room	College	Annual	₹ 50.00
23	Freshers'/Parting Social	College	Annual	₹ 500.00
24	Students' Union	College	Annual	₹ 100.00
25	Different Clubs	College	Annual	₹ 50 (₹ 10.00 per club)

UNIFORM			
1	College Blazer, Tie & Crest and T Shirt	One Time	₹ 2,500.00

HOSTEL				
1	Admission	Government	Annual	₹ 100.00
2	Seat Rent	Government	Annual	₹ 240.00
3	Security Deposit (refundable)	College	One Time	₹ 2,000.00
4	Hostel Maintenance	College	Annual	₹ 1,000.00
5	Electricity	College	Annual	₹ 600.00
6	Water	College	Annual	₹ 200.00
7	Games & Sports	College	Annual	₹ 100.00
8	Medical Fee	College	Annual	₹ 100.00

Note: Fees once deposited are not refundable.



MASTER OF SCIENCE

This is either a one-year/ two-year programme spread over two/four semesters which leads to the degree of Master of Science (M.Sc.). M.Sc. programme is offered in Anthropology, Botany, Chemistry, Geology, Mathematics, Physics, and Zoology. This innovative project of the college is in respond to an acutely felt need of the society to have a wider avenue for such students who would like to pursue higher studies in science here in Nagaland. This course is tailored along the patterns followed by top universities of the country. This programme will not only expose the students to the latest trends but will also introduce to them the functional areas in their respective discipline with a considered blend of theory and practice. The programme will prepare the students for further research and any other relevant activity in their respective field of study.

SEATS

- | | |
|-----------------|------|
| 1. Anthropology | - 18 |
| 2. Botany | - 15 |
| 3. Chemistry | - 18 |
| 4. Geology | - 15 |
| 5. Mathematics | - 20 |
| 6. Physics | - 15 |
| 7. Zoology | - 15 |

RESERVATION

- | | |
|---|-----------------|
| 1. College Reservation | |
| a. ST : 80% | b. General: 10% |
| c. SC, ST, & OBCs (other States): 4% | d. Non-local |
| Indigenous inhabitant of Nagaland, domiciled inhabitants of the State, State/Central govt employees, military/paramilitary forces on the basis of merit: 3% | |
| e. PWD (Divyangjan): 3% | |

ELIGIBILITY

Any student having 45% marks in B.Sc. honours or 60% aggregate in B.Sc. general from a recognized university/institution is eligible to apply for the M.Sc. programme.

ACADEMICS-II



SCHEME FOR CHOICE BASED CREDIT SYSTEM

M.SC. (ALL DEPARTMENT)

SEMESTER	CORE COURSE	CREDITS	DISCIPLINE SPECIFIC ELECTIVE (DSE)	CREDITS
I	Core 1	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	---	---
	Core 2	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	---	---
	Core 3	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	---	---
	Core 4	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	---	---
II	Core 5	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	---	---
	Core 6	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	---	---
	Core 7	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	---	---
	Core 8	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	---	---
III	Core 9	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	DSE 1	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)
	Core 10	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	DSE 2 / Field Work	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial) OR 6 (Field Work)
IV	Core 11	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	DSE 3	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)
	Core 12	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	DSE 4 / Dissertation	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial) OR 6 (Dissertation)



ADMISSION PROCEDURE: M.SC

APPLICATION

All information regarding admission to M.Sc. can be accessed from the website: admission.kscj.ac.in.

The website will share details like Prospectus for 2024, links for filling up application form, taking admission and making payment, etc.

While filling up application form, you might have to upload some of or all the following documents:

- a) HSLC Examination Admit Card
- b) B.Sc. Mark Sheets (All mark sheets including the final transcript)
- c) ST Certificate
- d) Colour Photo with white background
- e) Gap Certificate (for those applying after a gap of one year or more after passing the last qualifying examination)

SELECTION

Admission to the MSc programme shall be made on the basis of the candidate's performance in the entrance test/interview conducted by the concerned department, and his/her marks in the concerned subject at the undergraduate level. The weightage for these two criteria is 50% each.

ADMISSION

At the time of admission a candidate must produce the following documents in original of the last qualifying examination:

- a) Mark Sheet
- b) Admit Card
- c) Pass Certificate
- d) Migration Certificate (for a candidate from other Universities)
- e) SC/ST/OBC/PWD Certificate(s)
- f) Transfer Certificate



FEE STRUCTURE

FOR M.SC. STUDENTS

Sl No	Particular	Revenue for	Annual / Semester	Amount
1	Registration Fee	College	One Time	₹ 150.00
2	Library Security Deposit (refundable)	College	One Time	₹ 1,000.00
3	Admission Fee	Government	Semester	₹ 700.00
4	Tuition Fee	Government	Semester	₹ 500.00
5	Library	Government	Semester	₹ 500.00
6	Enrolment Fee	College	Semester	₹ 50.00
7	Library Development	College	Semester	₹ 1,000.00
8	Development Fee	College	Semester	₹ 1,000.00
9	Internal Examination	College	Semester	₹ 250.00
10	Session fee	College	Semester	₹ 100.00
11	IT	College	Semester	₹ 200.00
12	IQAC	College	Semester	₹ 200.00
13	Laboratory Fee	College	Semester	₹ 7500.00 (for Botany, Chemistry, Physics & Zoology) ₹ 6000.00 (for Anthropology & Geology) ₹ 5000.00 (Mathematics)
14	Bus	College	Annual	₹ 1000.00
15	Identity Card	College	Annual	₹ 100.00
16	Electricity	College	Annual	₹ 500.00
17	Water	College	Annual	₹ 200.00
18	Monthly Bulletin	College	Annual	₹ 50.00
19	Students' Handbook	College	Annual	₹ 20.00
20	Games and Sports	College	Annual	₹ 150.00
21	Magazine	College	Annual	₹ 150.00
22	Common Room	College	Annual	₹ 50.00
23	Freshers'/Parting Social	College	Annual	₹ 500.00
24	Students' Union	College	Annual	₹ 100.00
25	Different Clubs	College	Annual	₹ 50 (₹ 10.00 per club)

UNIFORM

1	College Blazer, Tie & Crest and T Shirt	One Time	₹ 2,500.00
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HOSTEL

1	Admission	Government	Annual	₹ 100.00
2	Seat Rent	Government	Annual	₹ 240.00
3	Security Deposit (refundable)	College	One Time	₹ 2,000.00
4	Hostel Maintenance	College	Annual	₹ 1,000.00
5	Electricity	College	Annual	₹ 600.00
6	Water	College	Annual	₹ 200.00
7	Games & Sports	College	Annual	₹ 100.00
8	Medical Fee	College	Annual	₹ 100.00

Note: Fees once deposited are not refundable.



ELIGIBILITY

Any student having 55% marks in M.Sc. for general candidates or 50% for SC/ST/PWD candidates from a recognized university/institution is eligible to apply for the Ph.D. programme.

ADMISSION PROCEDURE: PH.D

APPLICATION

Prescribed application form along with the Prospectus can be obtained from the college. The duly filled application must contain the following:

a) One attested photocopy of Admit Card, Pass Certificate and Mark Sheet of M.Sc. or equivalent examination.

SELECTION

Admission to the Ph.D. programme shall be made on the basis of the candidate's performance in the entrance test/interview conducted by the concerned department, and his/her marks in the concerned subject at the postgraduate level. The weightage for these two criteria is 50% each.

ADMISSION

At the time of admission a candidate must produce the following documents in original of the last qualifying examination:

- a) Mark Sheet
- b) Admit Card
- c) Pass Certificate
- d) Migration Certificate (for a candidate from other Universities)
- e) SC/ST/OBC/PWD Certificate(s)

N.B.: If a candidate fails to get admitted on the specified dates and time his/her selection is forfeited.

Ph.D. programme is offered by the departments of Botany, Chemistry, Mathematics, Physics and Zoology. A candidate requires a minimum of 3 years, including the Course Work, along with the other required norms as prescribed by the UGC for the successful completion of the said programme.

ACADEMICS-III



FEE STRUCTURE

FOR PH.D STUDENTS

Sl No	Particular	Revenue for	Annual / Semester	Amount
1	Registration Fee	College	One Time	₹ 150.00
2	Library Security Deposit (refundable)	College	One Time	₹ 1,000.00
3	Course Work Fee	College	One Time	₹ 5,000.00
4	Admission Fee	Government	Semester	₹ 700.00
5	Tuition Fee	Government	Semester	₹ 500.00
6	Library	Government	Semester	₹ 500.00
7	Enrolment Fee	College	Semester	₹ 50.00
8	Library Development	College	Semester	₹ 1,000.00
9	Development Fee	College	Semester	₹ 1,000.00
10	Session fee	College	Semester	₹ 100.00
11	IT	College	Semester	₹ 200.00
12	IQAC	College	Semester	₹ 200.00
13	Laboratory Fee	College	Semester	₹ 5,000.00
14	Bus	College	Annual	₹ 1,000.00
15	Identity Card	College	Annual	₹ 100.00
16	Electricity	College	Annual	₹ 500.00
17	Water	College	Annual	₹ 200.00
18	Monthly Bulletin	College	Annual	₹ 50.00
19	Games and Sports	College	Annual	₹ 150.00
20	Magazine	College	Annual	₹ 150.00
21	Common Room	College	Annual	₹ 50.00
TOTAL				₹ 17,100.00

HOSTEL

Sl. No	Particular	Revenue for	1st Semester	Subsequent Even Semesters	Subsequent Odd Semesters
1	Admission	Government	₹100.00	---	₹100.00
2	Seat Rent		₹240.00	---	₹240.00
3	Security Deposit (Refundable)	College	₹2000.00	---	---
4	Hostel Maintenance	College	₹1000.00	---	₹1000.00
5	Electricity		₹600.00	---	₹600.00
6	Water		₹200.00	---	₹200.00
7	Games & Sports		₹100.00	---	₹100.00
8	Medical Fee		₹100.00	---	₹100.00
Total			₹4340.00	---	₹2340.00

Please Note:

- Fees – for any programme – once deposited are not refundable.
- Fees are subject to change without prior notice
- Thesis evaluation fee (PhD program) shall be collected at a later date.



QUALITY CONTROL

The Principal chairs the Internal Quality Assurance Cell (**IQAC**) which comprises the Vice Principal, Heads of Departments and other members. The Cell plans and monitors measures to improve the quality of education. Some broad strategies of the cell are:

a) INTERNAL ASSESSMENT

Continuous assessment of the students is done by the college through the weekly tests, assignments, and projects. Three weekly tests are conducted in each subject for all the classes during a semester. Failure to pass in at least two of these will debar a student from taking the selection/end semester examination.

b) MENTORING CELLS

Each teacher is assigned a number of students to form a Mentoring Cell. The teacher is charged with the responsibility to monitor the progress of his/her ward.

c) ATTENDANCE

A student is required to have at least 80% attendance to be able to take the end semester examinations. Attendance is strictly monitored by the college administration and a student is debarred from appearing the said examinations if the required norm is not attained. Also proxy attendance is a serious and punishable offence.

GENERAL NORMS

- 1) The uniform is compulsory for every student. The blazer & tie is worn on Fridays and on any important occasion of the college. The T-shirt is worn on Tuesdays. Students are expected to respect the college uniform and the crest, and also wear the uniform with matching/appropriate trousers/skirt and shoes. The college discourages wearing blazer and/or tie with slippers or floaters, and low-cut trousers/jeans.
- 2) Each student is issued college Identity Card which also doubles as Library Card.
- 3) Transfer Certificate is issued after the student applies and surrenders the student Identity Card. However, students wishing to take a TC during the year shall have to apply along with the following:
 - a) Identity Card
 - b) Laboratory Clearance and Attendance Certificate from the HOD.
 - c) Clearance Certificate from:
 - i) Library
 - ii) Hostel Superintendent (For Boarders)
 - iii) NCC Officer (For Cadets)
- 4) Immoral activities, public display of affection, and destructive acts including academic misconduct are strictly banned in the campus. A student guilty of any of these acts is liable to be expelled from the hostel and/or the college without any warning.
- 5) Smoking and use of intoxicants are strictly forbidden in the college campus, and in the college buses.
- 6) Communal and tribal harmony is to be preserved and promoted in the college.
- 7) On joining the college each student is given the Handbook for Students. Students are responsible for reading this handbook and become familiar with its contents. Not knowing the contents does not preclude the student from being governed by the information provided.



KNOWLEDGE AND LEARNING RESOURCES

LIBRARY

The central library has adequate infrastructure to cater to the needs of the users and being centrally located it is easily accessible by all the members of the college. The central library both an intellectual and physical focal point for the campus, it has a large repository of books, scientific journals (both national and international), magazines, newspapers, question papers, project reports and dissertations. Apart from the central library, the college also has departmental libraries to meet the information needs of the students and faculty.

Services in the central library:

1. **Book Bank:** Apart from the regular borrowing of books, the library also provides the additional book loan facility for its users from the book-bank depository for a period of one semester.
2. **Online Resources:** The central library subscribes to the online resources namely UGC-NLIST (National Library and Information Services Infrastructure for Scholarly Content) and KNimbus Digital Library. Through these portals, the registered user can get access to the information requirements free of cost anywhere and at any time. Through these platforms, users can get excess to various e-resources which will supplement to the information requirement that may not be available in the college library.
3. **Internet:** The library is equipped with the broadband internet facilities where the user can get free access to the internet for the academic purposes which also can be access through library network wifi.
4. **Reprography:** The library also provides reprography services at a minimal cost to its users.
5. **Plagiarism:** To ensure that the work of the scholars, researchers, students and faculty are free from plagiarism, the college have the access to plagiarism software called "Turnitin Similarity".
<https://kscj.turnitin.com>
6. **Library Portal:** The central library has also come up with its own portal supported by KNimbus Digital Library where the users can get access to the WebOPAC from their own devices. Through this platform, the users can get access to all the facilities that are being provided by the college library such as NLIST, Turnitin, Old Question Papers, Dissertations and other open source like NDLi, Shodhganga, e.t.c in a single window access mode.
<https://kscj.knimbus.com>



INFLIBNET

The college is a registered user of UGC-NLIST (National Library and Information Services Infrastructure for Scholarly Content) Programme, a project funded by the Ministry of Human Resources Development under its National Mission on Education through ICT. The N-LIST project provides access to more than 3800 journals, 80000 electronic books and bibliographic databases to students, researchers and faculty, and also allows authorised users to download articles directly from the publisher's website.

IT INFRASTRUCTURE

All academic departments, library and college office are networked by Local Area Network. The entire academic campus is WiFi enabled through access points. Students can surf the internet through 10 PCs in Library, 18 PCs in Computer Center, 10 PCs in Language Laboratory and 30 PCs from the Computer Laboratory. The college presently has a 20 Mbps internet leased line (ILL) and is in a process of upgrading its IT infrastructure. This will promote online learning, sharing resources online and migration of database to cloud platform.

The official website of the college: kscj.ac.in.

FSOC

The college access internet from 1 Gbps Free Space Optics Link created over a radial distance of around 5.7 km. The backhaul internet connectivity is provided from SWAN network which is connected to National Knowledge Network (NKN) from Kohima Secretariat. The FSOC connectivity to the college from Kohima Secretariat was funded by MeitY R&D pilot project with the aim to perform rich R&D on Free Space Optics Technology across two sites where the connectivity has not been implemented or unsuccessful due to various terrain/location challenges.

INSTITUTIONAL BIOTECH HUB

Funded by the Department of Biotechnology, India, the college has set up a Plant Tissue Culture Laboratory in order to provide training primarily to students of the college.

HIGH-END TEACHING AIDS

The honours classrooms are fitted with interactive smart boards to enhance teaching-learning experience. Other classrooms will also be digitized soon.



STANDARDS CLUB

The Standards Club at Kohima Science College, a branch of the Bureau of Indian Standards (BIS) headquartered in Noida, Delhi, offers students unique opportunities for growth and awareness. Through activities like standard writing competitions, exposure trips, and awareness programs, members are immersed in understanding the intricacies of industry standards. These initiatives enlighten students about the essential procedures that manufacturers must adhere to, fostering a culture of conscientious consumerism. The ultimate aim of the club is to cultivate a generation of informed citizens, equipped with knowledge about their consumer rights and responsibilities.

“Earn While You Learn” SCHEMES: ENTREPRENEURSHIP

A mini-Printing Press unit has been established to undertake minor printing works such as printing of bulletins, programme sheets, booklets, brochures, etc. Also, interested students may opt for Mushroom spawn production & cultivation, Floriculture, Vermiculture and Production of Hand Sanitiser as a part of this scheme. Students participating in various levels of the said activities will be paid from the proceeds of sales, charges, etc.

AMENITIES

amenities

ACCOMMODATION

Kohima Science College has three hostels for boys (200 seats) and two for girls (140 seats). The hostels are centrally located with easy access to all day-today requirements including the Primary Health Centre, Bank (SBI with ATM facility) and the Post Office. Each hostel has a hall, a refectory, TV and single or shared accommodation. Apart from the academics, students are also exposed to sports and other cultural and religious activities. Seat allotment is strictly on merit basis and is monitored by a committee.

Each hostel has a Superintendent and a Prefect. The Prefect assists the Superintendent for the smooth administration of the hostel. Each hostel also has a Mess Committee which is headed by a Mess Assistant. It ensures that the food is clean, hygienic, of good quality, and on time. The kitchen is manned by experienced cooks.

All the boarders are expected to be actively involved in the smooth running of the hostel and help to maintain discipline and a healthy atmosphere.



Names of the Hostels and Superintendents:

- | | |
|-----------------------------|---------------------------------|
| 1. Leone Hostel (Girls) | - Ms. T K Medoweü |
| 2. Lake View Hostel (Boys) | - Mr. Kekhriele Nakhro |
| 3. New Boys' Hostel (Boys) | - Mr. Veta Nyienü |
| 4. Peak Hostel (Boys) | - Mr. Rokovikho Hesielië |
| 5. Alumni P.G. Women Hostel | - Ms. Kevilhuninuö Nagi |

TRANSPORTATION

The college has buses pressed into vehicular service to commute students and staff to and from town. A nominal fee is charged for this service.

This transport service is also available for other activities as and when required.

HEALTH CENTRE, BANK, POST OFFICE

The above mentioned facilities are all centrally located in the college campus and are therefore easily accessible to all.

STUDENTS DAY HOME

The spacious auditorium is the Students Day Home. Besides indoor games the auditorium is also used for literary and cultural functions.

GAMES AND SPORTS

The games and sports facilities in the campus not only help the students train physically but also help them develop a sporting spirit. The college has a football field, a basketball court, and an auditorium which also doubles as the indoor stadium.

VALUE ADDITION

- FREE TUTORIAL
- FOUNDING FATHERS MERITORIOUS AWARD
- DR. S.K. DEY LITERARY AWARD
- ROCK STAR AWARD
- STELLAR AWARD
- WORKSHOPS/SEMINARS
- FIELD TRIPS



EXTRA-CURRICULAR *and* EXTENSION ACTIVITIES

KOHIMA SCIENCE COLLEGE STUDENTS UNION

Every student of the college is automatically a member of the KSCSU. The Principal is the President of the union. The General Secretary and the other members of the executive are elected through the students' general election. The union looks after the interests and welfare of the students and assists the college administration in matters relating to discipline and decorum. It also organizes various co-curricular and extra-curricular activities and helps in the publication of the college magazine Illume. Our students have been regularly winning prizes in many district- and State-level competitions conducted by various Govt. departments, NCC, and NGOs.

NATIONAL CADET CORPS (NCC)

The NCC with the motto "Unity and Discipline", is a fair-tier administration and is world's largest Uniformed Youth Organization and most disciplined youth organization in the country. It is important wing of the Department of Youth Resources and Sports. The college has a very strong NCC unit and it has been regularly winning awards and recognition at the state, regional and national level.

This is a good preparation for those who love to empower oneself in discipline, leadership skills, overall personality development, good communication skills, social service, disaster management, health and hygiene, life skills, adventure trainings, environmental awareness, human right education and are also military inclined. Enrolled cadets get access to various facilities in NCC such as Cadets Welfare Society(CWS) Scholarship, Best Cadet Awards, National Camps and get privilege of Exposure Tour to vibrant YEP countries viz. Bhutan, Maldives, Nepal, Russia, Singapore, Vietnam, Kazakhstan, Kyrgyzstan, Sri Lanka, Bangladesh and Turkmenistan. They can acquire NCC 'B' and 'C' Certificate which helps one in getting certain percentage of reservation in entry to higher studies and job placement both in Government and private firms.

The NCC in the college functions under NCC Group Head Quarter, Kohima. The Army Wing of the college falls under the jurisdiction of 1 Nagaland Girls Battalion NCC, Kohima (Senior Wing) for girls; 24th Nagaland (I) Company NCC, Kohima (Senior Division) for boys and Air Wing under 1st Nagaland Air Squadron (Flying) NCC, Dimapur look after by Lieut. T K Medoweu Associate NCC Officers & Assistant Prof. Dept. of Geography, Lieut. Savilie Yhor ANO & Assistant Prof. Dept of Chemistry and Care Taker Officer Dr. Visuzoto Valeo Assistant Prof. Dept of Physics respectively.

NATIONAL SERVICE SCHEME (NSS)

The NSS with the motto "Not Me but You" helps to develop the personality of a student through community service. This programme was formally launched by the Ministry of Education in 1969 to inculcate a sense of duty among the students in nation building, particularly in rural areas. The NSS is now under the direct management of the Ministry of Youth Affairs, Govt. of India. Nagaland links with the centre through its State Liaison Officer (SLO), Deptt. of Sports & Youth Resources, Govt. of Nagaland. Volunteers can earn an A or B Certificate in college which becomes handy later on in getting into a university or a job. The College has more than 500 volunteers, and its "adopted village" is Thekrünoma Khel, Jotsoma. The Advisor is Kenneth Punyü and the Programme Officers (POs) are Ms. Moarenla Longkumer, Mr. Keneizoulhou Kesiezie and Mr. Subenthung Tsopoe.



SCIENCE CLUB, PHOTOGRAPHY CLUB, NATURE CLUB, RED RIBBON CLUB, YOUTH RED CROSS/CRESCENT, LITERARY CLUB, CULTURAL CLUB

Students are encouraged to join any of these clubs and shoulder leadership responsibilities. These bodies including KSCSU, NCC, NSS, EU form the breadth of student organizations and they represent the full diversity of student needs and interests. However, the college does not recognize tribal and other such bodies.

WINFEST

WinFest is an extracurricular programme held to promote self-development and encourage maximum student participation without inter-group, -tribal rivalry. WinFest is an extravaganza of sports, rollicking music, literary competition, flower show, food and games, painting and photography competition.

EVANGELICAL UNION (EU)

The EU, Kohima Science College, is one of the strongest EUs in the north-east. Once the new academic session begins a Hostel Penetration programme is conducted for the new students to apprise them of the various EU programmes. However, membership is strictly voluntary. EU is interdenominational and not a church. The EU is affiliated to the Union of Evangelical Students of India (UESI) which is affiliated to International Fellowship of Evangelical Students (IFES).

KOHIMA SCIENCE COLLEGE NON-TEACHING STAFF ASSOCIATION

The association looks after the welfare of the non-teaching staff of the college. College authority has instituted a Welfare Fund for the association.

KOHIMA SCIENCE COLLEGE TEACHERS' ASSOCIATION (KSCTA)

This Association looks after the welfare of the teachers. The Association is affiliated to All India Federation of University and College Teachers Organization (AIFUCTO).

STUDENTS GRIEVANCE REDRESSAL CELL

This Cell helps to support a student in difficulty through advice, counselling and any other help if necessary so that his/her academic activities are not hampered in any manner.

- | | |
|---|------------|
| 1. Mrs. M. Amenla, Assoc. Prof. & HOD, English | - Convenor |
| 2. Ms. Rongdensenla Longkumer, Assoc. Prof. & HOD, Geography | - Member |
| 3. Mr. Rokovikho Hesielie, Asstt. Prof., Deptt. of Chemistry | - Member |
| 4. Mr. Kekhriele Nakhro, Asstt. Prof., Deptt. of Geography | - Member |
| 5. Dr. Neivotsonuo B. Kuotsu, Assoc. Prof., Deptt. of Chemistry | - Member |
| 6. Ms. Vizomenuo Merlyn Yhome, Asstt. Prof., Deptt. of Tenyidie | - Member |
| 7. Ms. Moarenla Longkumer, Asst. Prof., Deptt. of Anthropology | - Member |
| 8. Mr. Nouno Terüno, Asstt. Prof., Deptt. of Anthropology | - Member |

DISCIPLINARY AND ANTI-RAGGING COMMITTEE

This committee has been formed under the directive of the Hon'ble Supreme Court of India through the Nagaland University. Ragging has always been looked upon as a serious offence by the Kohima Science College and it shall continue to campaign against ragging. This committee shall also look into any other disciplinary problems, including eve-teasing, should they arise.



- | | |
|---|----------------|
| 1. Principal | - Convenor |
| 2. Vice Principal | - Member Secy. |
| 3. All Hostel Superintendents | - Members |
| 4. Mrs. Katasinlu Remmei, Assoc. Prof., Deptt. of Zoology | - Member |
| 5. General Secretary, KSCSU | - Member |

ANTI-SEXUAL HARASSMENT CELL

This cell headed by Mrs. Katasinlu Remmei looks into complaints relating to sexual harassment in the campus. Complaints may include, but not limited to sexual molestation, eve teasing, unwelcome touching, using sexual language etc.

RESEARCH AND DEVELOPMENT COMMITTEE

Headed by Dr. Mhathung Yanthan as the convenor, the committee endeavours to encourage research activities among the teaching faculty of the college. It compiles the works done by teachers and looks into the research policies to maintain research ethics and quality.

ALUMNI ASSOCIATION

The Alumni Association works in close association with college fraternity to uplift the College. The latest contribution has been building of a 50-bedded PG Women Hostel.

- | | |
|--------------------------------------|--------------------------|
| 1. President | - Mr. Nokchasashi |
| 2. Vice President | - Mr. Rhosietho Ngouri |
| 3. General Secretary | - Dr. Hinotoli Sema |
| 4. Joint Secretary | - Er. Nirie Nisa |
| 5. Finance Secretary | - Mr. Nchumbemo Humtsoe |
| 6. Treasurer | - Mrs. Khriekemhieü Mary |
| 7. Publicity & Information Secretary | - Mr. K. Puthenhenmei |

- EXECUTIVE MEMBERS:**
- | | | |
|------------------|-----------------------|-------------------------|
| 1. Dr. Lily Sema | 5. Dr. Wenytso Kapfo | 9. Dr. Renthungo Jungio |
| 2. Sungtinaro | 6. Kevi Nagi | 10. Nitho Kuotsu |
| 3. Thungbeni | 7. Avelu Ruho | |
| 4. Akunu Meyase | 8. S.Y. Sanglee Chang | |

PARENTS TEACHERS ASSOCIATION (PTA)

PTA is formed to facilitate and encourage parental participation in the college.

- | | |
|-------------------|----------------------------|
| President | : Mr. Kegwalo Thyug |
| Vice President | : Mr. Vekhozo Ringa |
| General Secretary | : Mr. L. Kenneth Punyü |
| Joint Secretary | : Mr. Lhousarovi Paul Rino |
| Treasurer | : |

CAREER GUIDANCE AND PLACEMENT CELL

This cell advises and gives access to career resources to the students. It also organizes consultation and arranges interaction with alumni to help the students seek and attain their professional goals. This cell helps student by providing relevant academic and career information so that the students are up-to-date with employment trends and options.

This six-member cell is headed by Dr. Seyiekhrielie Whiso, Assoc. Prof., Dept. of English.

FACULTY AND ADMINISTRATIVE STAFF GRIEVANCE CELL

The cell has been set up to facilitate redressal of grievances of the staff of the college and is headed by Dr. Mrs. Kelhouletuonuo Pienyü, Assoc. Prof., Deptt. of English as the convenor.



SCHOLARSHIP & AWARDS

FOUNDING FATHERS MERITORIOUS AWARD

Apart from the Post-Matric Scholarships given by the government to economically weak and/or merit students, some other awards (certificate and cash) instituted by the college and sponsored by the faculty are available annually to gold medallists and subject toppers in the final examinations.

They are:

AWARD	SUBJECT
Dr. Neilhouzhü K. Angami Meritorious Award	Life Sciences
Mr. Keduonyü Sekhose Meritorious Award	Humanities
Rev. Haizotuo Munshi Meritorious Award	Mathematics
Mr. Akum Imlong Meritorious Award	Chemistry
Mr. J. B. Jasokie Meritorious Award	Earth Science
Mr. U. M. Deb Meritorious Award	Statistics
Mr. Vizol Angami Meritorious Award	Physics

DR. S. K. DEY LITERARY AWARD

The award is privately sponsored by a group of his admirers and friends and approved by the college authority. It comprises a cash prize and a Commendation Certificate. This annual Award is given to the best original poem/essay/short story or any other genre in the Literary Competition held during WinFest.

FUTURE ROCK STAR AWARD

Rock Star Award is a coveted award among the students of Geology. It is presented annually and is sponsored by the alumni of Geology Department. This award is awarded to a student securing the highest mark in the B.Sc. Programme. This award was constituted in 2011 by the alumni to encourage the students to develop interest in the subject and to bring out the best in them through positive competitive spirit. This award carries a citation along with a cash prize.

STELLAR STUDENT AWARD

The Department of Anthropology has instituted an annual award known as the Stellar Student Award since 2022. The award is given to the best student of the Department of Anthropology basing on their academic performance from BSc 1st Semester to BSc 4th semester. The idea of this award is to foster the spirit of learning; to encourage sincerity and hard work among the students. The award includes a citation and cash prize which is sponsored by the Alumni of the Department of Anthropology.



NCC SCHOLARSHIPS

1. Cadets Welfare Society Scholarship
2. Sahara NCC Scholarship
3. NCC Directorate Delhi Scholarship

LATE CAPTAIN NEIKEZHAKUO KENGURUSE AWARD

This award, instituted and sponsored by the former Governor of Nagaland, Shri P.B. Acharya in honour of Late Captain Neikezhakuo Kenguruse, Mahavir Chakra, is given to the best boy and girl undergraduate student.

GOOD SAMARITAN FUND

This fund, generated from the yearly contribution of all the faculty members, is utilized as a kind of stipend to look after the welfare of the economically challenged but meritorious students of the college.

JUBILEE TRUST FUND

This Fund is an initiative of the Kohima Science College Students' Union in commemoration of its 50th Anniversary. The fund is utilised to encourage meritorious students in various activities.

GRADUATE AND POST GRADUATE SYLLABI OUTLINES, CAREER PROSPECT AND FACULTY

Kohima Science College, Jotsoma was granted academic autonomy in 2014. The college holds its own examination and award certificate after it is endorsed by Nagaland University. The college offers graduate degree course, the duration of which is six semesters (three years) and post graduate degree course, the duration of which is four semesters (two years).

A general guideline regarding the graduate and post graduate syllabi and career prospects is laid out in the following tables.



ANTHROPOLOGY

B.SC. PROGRAMME IN ANTHROPOLOGY

NEP 2020: Outline of the syllabus for B.Sc/B.A in Anthropology

FIRST SEMESTER			
COURSE TYPE	COURSE CODE	COURSE TITLE	CREDITS
Major (MJ 1)	ANTH 1.11	Introduction To Basics Of Anthropology	4
Minor (MN 1)	ANTH 1.12	Introduction To Basics Of Anthropology	4
Multi-disciplinary (MD 1)	ANTH 1.13	Traditional Knowledge System I	2+1
SEC 1	ANTH 1.14	Fieldwork Tradition In Anthropology	1+2
VAC 1	ANTH 1.15	Environmental Science	3
AECC	-	-	3
SECOND SEMESTER			
Major (MJ 2)	ANTH 2.11	Anthropology and Its Dimensions	3+1
Minor (MN 2)	ANTH 2.12	Anthropology and Its Dimensions	3+1
Multi-disciplinary (MD 2)	ANTH 2.13	Traditional Knowledge System II	2+1
SEC 2	ANTH 2.14	Fitness and Wellness	1+2
VAC 2	ANTH 2.15	Tourism Anthropology	3
AECC	-	-	3
THIRD SEMESTER			
Major (MJ 3)	ANTH 3.11	Introduction to Biological Anthropology	3+1
Major (MJ 4)	ANTH 3.12	Introduction to Prehistoric Archaeology	3+1
Minor (MN 3)	ANTH 3.13	Introduction to Biological Anthropology	3+1
Multi-disciplinary (MD 3)	ANTH 3.14	Human Ecology: Biological and Cultural Dimensions	2+1
SEC 2	ANTH 3.15	Disaster Management	1+2
AECC	-	-	2
FOURTH SEMESTER			
Major (MJ 5)	ANTH 4.11	Anthropology In India-I	3+1
Major (MJ 6)	ANTH 4.12	Human Morphology	3+1
Major (MJ 7)	ANTH 4.13	Fundamentals of Human origin and Evolution	3+1



Major (MJ 8)	ANTH 4.14	Anthropological Theories	4
Minor (MN 4)	ANTH 4.15	Anthropology In India-I	3+1
FIFTH SEMESTER			
Major (MJ 9)	ANTH 5.11	Human Genetics	3+1
Major (MJ 10)	ANTH 5.12	Anthropology In India - II	3+1
Major (MJ 11)	ANTH 5.13	Pre-history of South Asia	4
Minor (MN 5)	ANTH 5.14	Pre-history of South Asia	4
Internship			4
SIXTH SEMESTER			
Major (MJ 12)	ANTH 6.11 (a) Or ANTH 6.11 (b)	Anthropology of Health Anthropology of Gender	3+1 4
Major (MJ 13)	ANTH 6.12	Research Methodology	3+1
Major (MJ 14)	ANTH 6.13	Introduction To World Prehistory	3+1
Major (MJ 15)	ANTH 6.14 (a) Or ANTH 6.14 (b)	Human growth and Development Physiological Anthropology	3+1 3+1
Minor (MN 6)	ANTH 6.15 (a) Or ANTH 6.15 (b)	Human growth and Development Physiological Anthropology	3+1 3+1
SEVENTH SEMESTER			
Major (MJ 16)	ANTH 7.11 (a) Or ANTH 7.11 (b)	Museology and Cultural Resource Management Ecological Anthropology	3+1 4
Major (MJ 17)	ANTH 7.12 (a) Or ANTH 7.12 (b)	Forensic Anthropology Human Population Genetics	3+1 4
Major (MJ 18)	ANTH 7.13	Sciences And Archaeology	4
Major (MJ 19)	ANTH 7.14	Anthropology of North- East India	4
Minor (MN 7)	ANTH 7.15	Museology and Cultural Resource Management	3+1
EIGHT SEMESTER			
Major (MJ 20)	ANTH 8.11	Applied Anthropology	3+1
Minor (MN 8)	ANTH 8.12	Applied Anthropology	3+1
OPTIONAL			
Major (MJ 21)	ANTH 8.13	Urban Anthropology	3+1
Major (MJ 22)	ANTH 8.14	Biological Diversity in Human Population	4
Major (MJ 23)	ANTH 8.15	Cultural Heritage Management, Tourism And Law	3+1
OR			
Major (MJ 24)	ANTH 8.16	Research Project/ Dissertation	12
Total Credit			160



M.SC. PROGRAMME IN ANTHROPOLOGY

M.Sc SYLLABUS FOR ANTHROPOLOGY 2023 KOHIMA SCIENCE COLLEGE, JOTSOMA (AUTONOMOUS)

Semester	Course No	Course Title	Credits
I	MANC 1.11	Fundamentals of Physical Anthropology	4
	MANC 1.21	Fundamentals of Social and cultural Anthropology	6
	MANC 1.31	Fundamentals of Archaeology	4
	MANC 1.41	Museology and Cultural Resource Management	4
	Practical		
	MANC 1.12	Physical Anthropology I	2
	MANC 1.32	Fundamentals of Archaeology Practical	2
	MANC 1.42	Ethnographic museum Fieldwork	2
II	MANC 2.11	Human genetics and variation	4
	MANC 2.21	Anthropological Theories	4
	MANC 2.31	Prehistory and Early human Cultures	6
	MANC 2.41	Research and Ethnographic Methods	4
	Practical		
	MANC 2.12	Physical Anthropology II	2
	MANC 2.22	Methodology and Analysis Practical	2
	MANC 2.42	Bio-Statistical Practical	2



SPECIALIZATION			
III	PHYSICAL/BIOLOGICAL		
	MANC 3.11	Anthropology of North-East India	6
	MANC 3.21	Anthropological Demography	6
	MAND 3.11(A)	a) Human growth and Development	4
	MAND 3.11(B)	b) Kinantropometry & Ergonomics.	6
	MAND 3.11(C)	c) Physiological Anthropology	6
	MAND 3.21(A)	a) Nutritional Anthropology	6
	MAND 3.21(B)	b) Epidemiology and Public Health	6
	MAND 3.21(C)	c) Forensic Anthropology	6
	Practical		
	MAND 3.12(A)	Physical Anthropology III Practical	2
	SOCIAL/CULTURAL		
	MANC 3.11	Anthropology of North-East India	6
	MANC 3.21	Anthropological Demography	6
	MAND 3.11(A)	a) Developmental Anthropology	6
	MAND 3.11(B)	b) Study of Monograph	6
	MAND 3.11(C)	c) Tribal Studies	6
	MAND 3.21(A)	a) Visual Anthropology	4
	MAND 3.21(B)	b) Applied Social- Cultural Anthropology	6
	MAND 3.21(C)	c) Medical Anthropology	6
	Practical		
	MAND 3.22(A)	Visual Anthropology Fieldwork	2
IV	PHYSICAL/BIOLOGICAL		
	MANC 4.11	Human Population Genetics	6
	MANC 4.21	Medical Genetics	6
	MAND 4.11(A)	a) Palaeo-anthropology	6
	MAND 4.11(B)	b) Formal Genetics	6
	MAND 4.11(C)	c) Primate biology and behavior	6
	MAND 4.21	Dissertation	6
	SOCIAL/CULTURAL		
	MANC 4.11	Anthropology of gender	6
	MANC 4.21	Indian Anthropology	6
	MAND 4.11(A)	a) Urban Anthropology	6
	MAND 4.11(B)	b) Ecological Anthropology	6
	MAND 4.11(C)	c) Psychological Anthropology	6
	MAND 4.21	Dissertation	6
TOTAL		Physical/Biological	96
		Social/Cultural	96

**Theoretical & methodological preparation for this paper begins in the 3rd semester. Supervisors for this paper are allotted in the beginning of the 3rd semester, & the students leave for fieldwork training soon after the 3rd semester examination.*



ANTHROPOLOGY

Anthropology is the study of human beings, their cultures, societies, and behaviors, both past and present, through a holistic and comparative approach, offering a unique lens to explore the diversity of human experience and the interconnectedness of societies around the world. It has four branches :

- Cultural anthropology which examines contemporary cultures and societies,
- Archaeology which delves into the material remains of past civilizations
- Biological anthropology which explores human evolution and biological diversity
- Linguistic anthropology which studies the role of language in shaping human identity and communication.

Anthropologists employ diverse research methods, including ethnography, excavation, genetic analysis, and linguistic analysis, to understand the complexities of human existence.

LEARNING OUTCOMES: Overall, the discipline seeks to promote cross-cultural understanding of communities, challenge ethnocentrism using major theoretical orientations in Anthropology, address societal issues such as inequality, globalization, and environmental sustainability, learn about Human Evolution , Physiology, aspects of Human Genetics & Variation, Human growth & Development , Human history from Prehistoric times to present and application of archaeological methods in studying related sites and cultures.

CAREER PROSPECTS IN ANTHROPOLOGY:

Anthropology offers diverse opportunities from Competitive Exams to Academia and Research. Applying Anthropological knowledge and problem-solving skills in fields like Administration, Public Health , Cultural resource Management, Documentation on knowledge systems, Museum studies, Planning and Development, Criminal investigations, Industries / Business, Sports, Policy making and Consultancy and Equipment designing.

FACULTY PROFILE ;

- | | |
|--|----------------------------|
| 1. Ms. Kevilhunino Nagi, M.A | Associate Professor & Head |
| 2. Ms. Moarenla Longkumer, M.A., NET | Assistant Professor |
| 3. Mrs. Khriekhemhieü K Mary, MSc., NET | Assistant Professor |
| 4. Mrs. J Sharon, MSc., NET (on study leave) | Assistant Professor |
| 5. Dr. David Tetso, MSc., Ph.D | Assistant Professor |
| 6. Ms. Shetsotalu Nakro, MSc., NET | Assistant Professor |
| 7. Mr. Imkumlong, MSc., NET | Assistant Professor |
| 8. Mr. Noun Teruno, MSc., NET | Assistant Professor |
| 9. Ms. Imsuzungla Aier, M.A., NET | Assistant Professor |

BOTANY

B.SC. PROGRAMME IN BOTANY

SEMESTER	COURSE CODE	COURSE TITLE	CREDITS
I	MJ-1/MN-1	Phycology & Mycology	2(3+1)
	MDC-I	Traditional Knowledge System -I	2+1
	SEC-I	Mushroom Culture	1+2
	VAC-I	Environmental Science	3
	AEC-I	(Language-I)	3
II	MJ-2 / MN-2	Bryophytes & Pteridophytes	2(3+1)
	MDC-II	Traditional Knowledge System -II	2+1
	SEC-II	Floriculture	1+2
	VAC-II	Bonsai Designing	3
	AEC-II	(Language-II)	3
III	MJ-3/ MN-3	Economic Botany	2(3+1)
	MJ-4	Gymnosperms and Palaeobotany	4
	MDC-III	Natural resources and contemporary issues	3
	SEC-III	Agroecosystems of Nagaland	3
	AEC-III	(Language-III)	2
IV	MJ-5 / MN-4	Cell Biology	2(3+1)
	MJ-6	Microbiology & Plant Pathology	4
	MJ-7	Plant Systematics-I	4
	MJ-8	Molecular Biology	4
V	MJ-9	Plant Systematics-II	4
	MJ-10	Biochemistry	4
	MJ-11 / MN-5	Reproductive Biology of Angiosperms	2(3+1)
	Internship		4
VI	MJ - 12	Plant Anatomy	4
	MJ – 13	Plant Physiology	4
	MJ – 14	Genetics & Evolution	4
	MJ-15/MN-6	Ecology and Ecosystem Analysis	2(3+1)
VII	MJ-16/ MN-7	Ethnobotany	2(3+1)
	MJ-17	Research Methodology	4
	MJ-18	Phytogeography	4
	MJ-19	Plant Breeding	4
VIII	MJ-20/ MN-8	Biofertilizers and Biopesticides	2(3+1)
	MJ-21	Biostatistics	4
	MJ-22	Plant biodiversity and conservation	4
	MJ-23	Plant Biotechnology	4
		Total	160



M.SC. PROGRAMME IN BOTANY

SEMESTER	COURSE CODE	COURSE TITLE	CREDITS
I	MBOC 1.11	Microbiology & Algae	4
	MBOC 1.21	Bryophytes & Pteridophytes	4
	MBOC 1.31	Gymnosperms & Paleobotany	4
	MBOC 1.41	Plant Morphology & Anatomy	4
	MBOC 1.12	Microbiology & Algae (Practical)	2
	MBOC 1.22	Bryophytes & Pteridophytes (Practical)	2
	MBOC 1.32	Gymnosperms & Paleobotany (Practical)	2
	MBOC 1.42	Plant Morphology & Anatomy (Practical)	2
II	MBOC 2.11	Angiosperm Taxonomy	4
	MBOC 2.21	Mycology & Plant Pathology	4
	MBOC 2.31	Biochemistry & Biotechnology	4
	MBOC 2.41	Cell & Molecular Biology	4
	MBOC 2.12	Angiosperm Taxonomy (Practical)	2
	MBOC 2.22	Mycology & Plant Pathology (Practical)	2
	MBOC 2.32	Biochemistry & Biotechnology (Practical)	2
	MBOC 2.42	Cell & Molecular Biology (Practical)	2
III	MBOC 3.11	Genetics, Cytogenetics & Plant Breeding	4
	MBOC 3.21	Plant Physiology	4
	MBOC 3.12	Genetics, Cytogenetics & Plant Breeding (Practical)	2
	MBOC 3.22	Plant Physiology (Practical)	2
	MBOD 3.11(a)	Plant Systematics	4
	MBOD 3.11(b)	Medicinal Plants	4
	MBOD 3.11(c)	Biodiversity and Conservation	4
	MBOD 3.12(a)	Plant Systematics (Practical)	2
	MBOD 3.12(b)	Medicinal Plants (Practical)	2
	MBOD 3.12(c)	Biodiversity and Conservation (Practical)	2
	MBOD 3.21(a)	Research Methodology & Biostatistics	4
	MBOD 3.21(b)	Methods in Plant Sciences	4
	MBOD 3.21(c)	Agroecosystems – Principles and Applications	4
	MBOD 3.22(a)	Research Methodology & Biostatistics (Practical)	2
	MBOD 3.22(b)	Methods in Plant Sciences (Practical)	2
	MBOD 3.22(c)	Agroecosystems – Principles and Applications (Practical)	2
IV	MBOC 4.11	Plant Development & Reproductive Biology	4
	MBOC 4.21	Ecology and Ecosystem Analysis	4
	MBOC 4.12	Plant Development & Reproductive Biology (Practical)	2
	MBOC 4.22	Ecology and Ecosystem Analysis (Practical)	2
	MBOD 4.11(a)	Plant Resource Utilization	4
	MBOD 4.11(b)	Phytogeography and Evolution	4
	MBOD 4.11(c)	Biofertilizers and Biopesticides	4
	MBOD 4.12(a)	Plant Resource Utilization (Practical)	2
	MBOD 4.12(b)	Phytogeography and Evolution (Practical)	2
	MBOD 4.12(c)	Biofertilizers and Biopesticides (Practical)	2
	MBOD 4.21	Dissertation Work	6



CAREER PROSPECTS IN BOTANY

Biochemistry, Bioinformatics, Biotechnology, Food Technology, Forensic Science, Forestry, Horticulture, Microbiology, Soil, Nutrition, Health, Wildlife, Marine Biotechnology, Plant Physiology, Sericulture, Horticulture, Plant Ecology, Mushroom Culture, Teaching, Research.

FACULTY PROFILE

1. Dr. Wenyitso Kapfo, M.Sc., Ph.D., NET	Associate Prof. & Head
2. Mr. Wekhrolo Therie, M.Sc., NET	Assistant Professor
3. Dr. Mhathung Yanthan, M.Sc., Ph.D., NET	Assistant Professor
4. Mr. Tosovil Neikha, M.Sc.	Assistant Professor
5. Dr. Samadangla Ao M.Sc., Ph.D., NET	Assistant Professor
6. Mr. Keneizoulhou Kesiezie, M.Sc., B.Ed., NET	Assistant Professor
7. Dr. Moaakum, M.Sc., Ph.D.	Assistant professor
8. Dr. Khrienuo Angami, M.Sc., M.Phil., Ph.D.	Assistant professor
9. Ms. Kezhaleno Sale, M.Sc., NET	Assistant professor



CHEMISTRY

B.SC. PROGRAMME IN CHEMISTRY

Semester	Course Opted	Course Name	Name of Paper	Credits
I	MJ-1	Inorganic Chemistry-1	Atomic structure, Periodicity of Elements and Chemical bonding.	3
	MN-1	Inorganic Chemistry-1	Atomic structure, Periodicity of Elements and Chemical bonding.	3
	MDC-1	Multi Disciplinary Course-I	Chemistry in Daily Life	3
	AEC-1			3
	SEC-1	Skill Enhancement Course-I	Pharmaceutical Chemistry	1
	VAC-1	Indian Textiles	Environmental Studies	3
	MJ-1(Practical)	Chemistry Lab-1	Inorganic Chemistry Lab	1
	SEC-1 (Practical)	Skill Enhancement Course-Practical-1	Pharmaceutical Chemistry Practical	2
II	MN-1(Practical)	Chemistry Lab-1	Inorganic Chemistry Lab	1
	MJ-2	Physical Chemistry-1	States of matter & ionic equilibria.	3
	MN-2	Physical Chemistry-1	States of matter & ionic equilibria.	3
	MDC-2	Inter disciplinary Course-II	Inorganic Materials of Industrial Importance	3
	AEC-2			3
	SEC-2	Skill Enhancement Course-II	Fuel Chemistry	1
	VAC-2	Indian Textiles	Indian Textiles	3
	MJ-2(Practical)	Chemistry Lab-2	Physical Chemistry Lab	1
III	MN-2(Practical)	Chemistry Lab-2	Physical Chemistry Lab	1
	SEC-2 (Practical)	Skill Enhancement Course-Practical-2	Fuel Chemistry Practical	2
	MJ-3	Organic Chemistry-1	Basic & Hydrocarbon	3
	MJ-4	Physical Chemistry-2	Chemical thermodynamic and its application	3
	MN-3	Organic Chemistry-1	Basic & Hydrocarbon	3
	MDC-3	Multi Disciplinary Course-III	Green Chemistry	3
	AEC-3			2
	SEC-3	Skill Enhancement Course-III	Chemistry of Cosmetics and Perfumes	1
	MJ-3(Practical)	Chemistry Lab-3	Organic Chemistry Lab	1
	MJ-4(Practical)	Chemistry Lab-4	Physical Chemistry Lab	1
	MN-3(Practical)	Chemistry Lab-3	Organic Chemistry Lab	1
	SEC-3 (Practical)	Skill Enhancement Course-Practical-3	Chemistry of Cosmetics and Perfumes	2
	MJ-5	Inorganic Chemistry-2	Metallurgical processes, Acids and bases and s & p blocks elements	3
	MJ-6	Organic Chemistry-2	Active methylene compounds, Petroleum and petrochemicals and Organo sulphur compounds	3
	MJ-7	Organic Chemistry-3	Halogen & Oxygen containing functional groups	3
	MJ-8	Physical Chemistry-3	Phase Equilibria and Chemical Kinetics	3



IV	MN-4	Inorganic Chemistry-2	Metallurgical processes, Acids and bases and & p blocks elements	3
	MJ-5(Practical)	Chemistry Lab-5	Inorganic Chemistry Lab	1
	MJ-6(Practical)	Chemistry Lab-6	Organic Chemistry Lab	1
	MJ-7(Practical)	Chemistry Lab-7	Organic Chemistry Lab	1
	MJ-8(Practical)	Chemistry Lab-8	Physical Chemistry Lab	1
	MN-4(Practical)	Chemistry Lab-4	Inorganic Chemistry Lab	1
	MJ-9	Inorganic Chemistry-3	Co-ordination chemistry ,d & f blocks elements And Bio-inorganic chemistry	3
V	MJ-10	Organic Chemistry-4	Heterocyclic compound & Nitrogen containing Functional groups	3
	MJ-11	Physical Chemistry-4	Electrochemistry, Electro-Chemistry & Spectroscopy	3
	MN-5	Physical Chemistry-4	Electrochemistry, Electro-Chemistry & Spectroscopy	3
	MJ-9(Practical)	Chemistry Lab-9	Inorganic Chemistry Lab	1
	MJ-10(Practical)	Chemistry Lab-10	Organic Chemistry Lab	1
	MJ-11(Practical)	Chemistry Lab-11	Physical Chemistry Lab	1
	MN-5(Practical)	Chemistry Lab-5	Physical Chemistry Lab	1
	Internship			4
VI	MJ-12	Inorganic Chemistry-4	Organometallic compounds, Kinetics and reaction mechanism	3
	MJ-13	Inorganic Chemistry-5	Analytical Methods in Chemistry	3
	MJ-14	Organic Chemistry-5	Biomolecules	3
	MJ-15	Physical Chemistry-5	Quantum-Chemistry, Physical properties and Chemical constitution & Reaction Dynamics	3
	MN-6	Organic Chemistry-5	Biomolecules	3
	MJ-12(Practical)	Chemistry Lab-12	Inorganic Chemistry Lab	1
	MJ-13(Practical)	Chemistry Lab-13	Inorganic Chemistry Lab	1
	MJ-14(Practical)	Chemistry Lab-14	Organic Chemistry Lab	1
	MJ-15(Practical)	Chemistry Lab-15	Physical Chemistry Lab	1
	MN-6(Practical)	Chemistry Lab-6	Organic Chemistry Lab	1
VII	MJ-16	Inorganic Chemistry-6	Symmetry and Structure, Magnetic Properties and Electronic Structure of Transition Metal Complexes	3
	MJ-17	Organic Chemistry-6	Organic Spectroscopy	3
	MJ-18	Physical Chemistry-6	Nuclear Chemistry	3
	MJ-19	Physical Chemistry-7	Polymer Chemistry	3
	MN-7	Organic Chemistry-6	Organic Spectroscopy	3
	MJ-16(Practical)	Chemistry Lab-16	Inorganic Chemistry Lab	1
	MJ-17(Practical)	Chemistry Lab-17	Organic Chemistry Lab	1
	MJ-18(Practical)	Chemistry Lab-18	Physical Chemistry Lab	1
	MJ-19(Practical)	Chemistry Lab-19	Physical Chemistry Lab	1
	MN-7(Practical)	Chemistry Lab-7	Organic Chemistry Lab	1
VIII	MJ-20	Inorganic Chemistry-7	Transition Metal π -acid Complexes, Supramolecular Chemistry, Non-aqueous Solvents and Inorganic Polymers	3
	MN-8	Inorganic Chemistry-7	Transition Metal π -acid Complexes, Supramolecular Chemistry, Non-aqueous Solvents and Inorganic Polymers	3
	MJ-20(Practical)	Chemistry Lab-20	Inorganic Chemistry Lab	1
	MN-8(Practical)	Chemistry Lab-8	Inorganic Chemistry Lab	1
	MJ-21	Inorganic Chemistry-8	Kinetics and Mechanism of Inorganic Reactions- II, Transition Metal–Carbon Bond, Syntheses of Cyclopentadienyl and Arene Metal Analogues	3
	MJ-22	Organic Chemistry-7	Organic reactions ,Reactive intermediates, Retro-synthesis in Organic chemistry	3
	MJ-23	Physical Chemistry-8	Nano Chemistry	3
	MJ-21(Practical)	Chemistry Lab-21	Inorganic Chemistry Lab	1
	MJ-22(Practical)	Chemistry Lab-22	Organic Chemistry Lab	1
	MJ-23(Practical)	Chemistry Lab-23	Physical Chemistry Lab	1
Total Credits				160



M.SC. PROGRAMME IN CHEMISTRY

COURSE STRUCTURE

SEMESTER	COURSE CODE	COURSE TITLE	CREDITS
I	MCHC 1.11	Inorganic Chemistry-I	4
	MCHC 1.21	Organic Chemistry-I	4
	MCHC 1.31	Physical Chemistry-I	4
	MCHC 1.41	Physical Chemistry-II	4
	MCHC 1.12	Organic Chemistry (Practical)	8
II	MCHC 2.11	Inorganic Chemistry-II	4
	MCHC 2.21	Organic Chemistry-II	4
	MCHC 2.31	Organic Chemistry-III	4
	MCHC 2.41	Physical Chemistry-III	4
	MCHC 2.12	Inorganic Chemistry (Practical)	8
III	MCHC 3.11	Inorganic Chemistry-III	4
	MCHC 3.21	Physical Chemistry-IV	4
	MCHC 3.12	Physical Chemistry (Practical)	8
	MCHD 3.11	OPTIONAL*	4
	MCHD 3.21	OPTIONAL*	4
IV	MCHC 4.11	Inorganic Chemistry-IV	4
	MCHC 4.21	Organic Chemistry-IV	4
	MCHC 4.31	Project work/Course Work	8
	MCHD 4.11	OPTIONAL**	4
	MCHD 4.21	OPTIONAL**	4

*** DISCIPLINE SPECIFIC ELECTIVE 1 & 2**

MCHD 3.11 & MCHD 3.21

COURSE TITLE	CREDITS
Analytical Chemistry & Catalysis	4
Natural Products & Bio Organic Chemistry	4
Nuclear Chemistry	4

**** DISCIPLINE SPECIFIC ELECTIVE 3 & 4**

MCHD 4.11 & MCHD 4.21

COURSE TITLE	CREDITS
Nano Chemistry & Polymer Science	4
Applied Inorganic Chemistry	4
Applied Organic Chemistry	4
Nanotechnology and Polymer Technology	4



CAREER PROSPECT IN CHEMISTRY

Analytical Chemistry: Teacher, Lab Chemist, Production Chemist, research & Development Manager, Quality Controller, R&D Director, Chemical Engineering Associate, Biomedical Chemist, Industrial Research Scientist, Materials Technologist, Production Officer, Safety Health and Environment Specialist.

Industries/ Companies to which one can apply: Pharmaceutical, Agrochemical, Petrochemical, Toiletry, Textile, Educational, Industrial/Independent Laboratories, Technical Firms, Environmental Law, Plastic, Petroleum, Engineering Units, Chemical, Heavy Chemical Firms, Medical Research, Food Processing, Paint, Patent Law Firms, Space Exploration Agencies, Forensic Science, Ceramics, Paper, Military Systems.

Industrial Chemistry: Manager – Sales Force Automation, Biology Researcher, Chemist, Sales & Marketing, Laboratory Assistant, Teaching, Research, Oceanography and Marine Geology, Accounting and Material Officer, Pharmacist, Plant Biochemist, Research Associate, Science Adviser, Taxonomist.

Employment Areas: Universities, Manufacturing and Processing Firms, Seed and Nursery Organisation, Research and Development, Oil Industry, Biotechnology, Food Institute, Chemical Industry, Agricultural Research.

Government Sector: UPSC, BPSC, Banking, Railways Exam, SSC, Air force, Navy, Army, ISRO, BARC, DRDO, Bharat Petroleum, Indian Oil Cooperation, ONGC,

Advanced Centre for Treatment, Teaching (schools, colleges, universities)

Faculty Profile:

1. Dr. Krishna Kumar Tiwari, M.Sc., Ph.D.	Associate Prof. & Head
2. Mr. N. Meren Ao, M.Sc.	Associate Professor
3. Mrs. Sangeeta Vizo, M.Sc.	Associate Professor
4. Mr. Kenneth Punyü, M.Sc.	Associate Professor
5. Mr. Rokovikho Hesielie, M.Sc.	Assistant Professor
6. Dr. (Mrs.) Neivotsonuo B. Kuotsu, M.Sc., B.Ed., Ph.D.	Associate Professor
7. Mrs. A. Chubarenla, M.Sc.	Assistant Professor
8. Mrs. Vineinu Rhetso, M.Sc.	Assistant Professor
9. Dr. Daniel Kibami, M.Sc., Ph.D.	Associate Professor
10. Mr. Savilie Yhor, M.Sc.	Assistant Professor



COMPUTER SCIENCE



B.SC. PROGRAMME IN COMPUTER SCIENCE

Semester	Course Opted	Paper Name	Paper Code	Credits
I	MJ-1	Computer Fundamentals		4
	MN-1	Computer Fundamentals		4
	AEC-1	AEC1		3
	MD-1	Office Automation Tools		2
	SEC-1	Graphic Designing		1
	VAC-1	EVS		3
	MD-1 (Practical)	Office Automation Tools LAB		1
	SEC-1 (Practical)	Graphic Designing LAB		2
			Total: 20	
II	MJ-2	Programming Fundamentals using C		3
	MN-2	Programming Fundamentals using C		3
	AEC-2	AEC1		3
	MD-2	Cyber Security Fundamentals		2
	SEC-2	Programming in MATLAB		1
	VAC-2	E-Commerce Technologies OR Indian Knowledge System		3
	MJ-2 (Practical)	Programming Fundamentals using C LAB		1
	MN-2 (Practical)	Programming Fundamentals using C LAB		1
	MD-2 (Practical)	Cyber Security Fundamentals LAB		1
	SEC-2 (Practical)	Programming in MATLAB LAB		2
			Total: 20	
III	MJ-3	Computer Organization & Architecture		3
	MJ-4	Data Structures		3
	MN-3	Computer Organization & Architecture		3
	AEC-3	AEC3		2
	MD-3	Fundamentals of Graphic Designing		2
	SEC-3	Programming in R		1
	MJ-3 (Practical)	Computer Organization & Architecture LAB		1
	MJ-4 (Practical)	Data Structures LAB		1
	MN-3 (Practical)	Computer Organization & Architecture LAB		1
	MD-3 (Practical)	Fundamentals of Graphic Designing LAB		1
SEC-3 (Practical)	Programming in R LAB		2	
			Total: 20	
IV	MJ-5	Object Oriented Programming in C++		3
	MJ-6	Programming in Java		3
	MJ-7	HTML & CSS		3
	MJ-8	Theory of Computation		4
	MN-4	HTML & CSS		3
	MJ-5 (Practical)	Object Oriented Programming in C++ LAB		1
	MJ-6 (Practical)	Programming in Java LAB		1
	MJ-7 (Practical)	HTML & CSS LAB		1
	MN-4 (Practical)	HTML & CSS LAB		1
			Total: 20	



V	MJ-9	Operating System	4
	MJ-10	Computer Networks	3
	MJ-11	Software Engineering	4
	MN-5	Computer Networks	3
		INTERSHIP	4
	MJ-10 (Practical)	Computer Networks LAB	1
	MN-5 (Practical)	Computer Networks LAB	1
			Total: 20
VI	MJ-12	Database Management Systems	3
	MJ-13	Design and Analysis of Algorithms	4
	MJ-14	PHP Programming	3
	MJ-15	Python Programming	3
	MN-6	Python Programming	3
	MJ-12 (Practical)	Database Management Systems LAB	1
	MJ-14 (Practical)	PHP Programming LAB	1
	MJ-15 (Practical)	Python Programming LAB	1
			Total: 20
VII	MJ-16	Research Methodology	4
	MJ-17	Artificial Intelligence	4
	MJ-18	Internet Technologies	3
	MJ-19	Cyber Security & Law	3
	MN-7	Artificial Intelligence	4
	MJ-18 (Practical)	Internet Technologies LAB	1
	MJ-19 (Practical)	Cyber Security & Law LAB	1
			Total: 20
VIII	MJ-20	Machine Learning	3
	MJ-21	Data Mining	3
	MJ-22	Computer Graphics	3
	MJ-23	Cloud Computing	4
	MN-8	Cloud Computing	4
	MJ-20 (Practical)	Machine Learning LAB	1
	MJ-21 (Practical)	Data Mining LAB	1
	MJ-22 (Practical)	Computer Graphics LAB	1
			Total: 20

Total Credits: 160

COMPUTER SCIENCE

Computer science (CS) spans the range from theory through programming to cutting-edge development of computing solutions. Computer science offers a foundation that permits graduates to adapt to new technologies and new ideas. The work of computer scientists falls into three categories: a) designing and building software; b) developing effective ways to solve computing problems, such as storing information in databases, sending data over networks or providing new approaches to security problems; and c) devising new and better ways of using computers and addressing particular challenges in areas such as robotics, computer vision, or digital forensics.

CAREER PROSPECT IN COMPUTER SCIENCE

Software Engineer or Software Developer, Computer Programmer, Hardware Designer, Systems Analyst, Network and System Administrator, Technical Support or Support Engineer, Technical Writer, Microprocessor System Designer.

Faculty Profile:

- | | |
|---|---------------------------------|
| 1. Dr. Prajadhish Sinha, M.Sc., Ph.D. | Assistant Professor & Head |
| 2. Ms. Nuzotalu M. Veyie, B.E., M.Sc. | Assistant Professor |
| 3. Mr. Modozho Mathew Dukru, B.E., M.Sc. | Assistant Professor & Asst. CoE |
| 4. Mrs. Mhasizovonuo Peseyie, M.C.A., M.Ed. | Assistant Professor |



ENGLISH

Structure of the UG Programme under NEP 2020

Sem ester	Discipline Specific Courses - Core	Minor	Multi-disciplinary courses	Ability Enhancement courses (language)	Skill Enhancement courses /Internship /Dissertation	Common Value-Added Courses	Total Credits
I	MJ-1 Indian Classical Litt	MN-1 European Classical Litt	MDC/3	AEC-1 English Communication	SEC-1 Basic Course on First-Aid	EVS	20
II	MJ-2 European Classical Litt	MN-2 Indian Classical Litt	MDC/3	AEC-2 Language, Literature & Creativity	SEC-2 Phonetics	Creative Writing	20
<i>Students exiting the programme after securing 40 credits will be awarded UG Certificate in the relevant Discipline /Subject provided they secure 4 credits in work based vocational courses offered during summer term or internship / Apprenticeship in addition to 6 credits from skill-based courses earned during first and second semester.</i>							40
III	MJ-3 Indian Writing in English MJ-4 British Poetry & Drama (14 th to 17 th cent.)	MN-3 British Poetry & Drama (14 th to 17 th cent.)	MDC/3	AEC-3 Fluency in English	SEC-3 Handicrafts /Music	-	20
IV	MJ-5 American Litt. MJ-6 Popular Litt. MJ-7 British poetry & Drama 17 TH & 18 TH CENT) MJ-8	MN-4 Popular Litt.	-	-	-	-	20
	British Litt(18 th cent)						
<i>Students exiting the programme after securing 80 credits will be awarded UG Diploma in the relevant Discipline /Subject provided they secure additional 4 credits in skill based vocational courses offered during first year or second year summer term.</i>							80

B.A. PROGRAMME IN ENGLISH



V	MJ-9 British Romantic Litt. MJ-10 British Litt(19 th cent) MJ-11 Womens Writing	MN-5 One Act Plays	-	-	Internship (4 credits)	-	20
VI	MJ-12 British Lit; The early 20 th cent) MJ-13 (Modern European Drama) MJ-14 (Post Colonial Lit) MJ-15 (Literary Criticism)	MN-6 (Prose)	-	-	-	-	20
Students who want to undertake 3-year UG programme will be awarded UG Degree in the relevant Discipline /Subject upon securing 120 credits							120
VII	MJ-16 (Science Fiction & Detective Lit) MJ-17 (British Lit, Post WWII) MJ-18 (Travel Writing) MJ-19 (Literary Theory)	MN-7 (Poetry)	-	-	-	-	20
VIII	MJ-20 (Shakespeare)	MN-8 Language, Literature & Culture)	-	-	[Research Project/ Dissertation](12 credits)		20
Students will be awarded UG Degree (Honours) with Research in the relevant Discipline /Subject provided they secure 160 credits							160

CAREER PROSPECT IN ENGLISH

Writing & Composing (Creative/block/critical), Translation (Written/oral), Teaching (Pre-school to university), Research, Civil Service, Tutors of Spoken English, Journalism, Media industry (Radio & TV), Tourism, Sales representative, Receptionist, (BPOs, offices, marts), PROs, Spokesperson, Programme presenting, Linguistics, Psycho-/Socio-Linguistics.

Faculty Profile

- | | |
|--|------------------------|
| 1. Mrs. M. Amenla, M.A. | Associate Prof. & Head |
| 2. Dr. (Mrs) Kelhouletuonuo, M.A., Ph.D. | Associate Professor |
| 3. Mrs. Narola Mekro, M.A. | Assistant Professor |
| 4. Dr. Seyiekhrielie Whiso, M.A., Ph.D., NET | Associate Professor |
| 5. Ms. Kevitsunuo Linyü, M.A. | Assistant Professor |
| 6. Dr. Richard Dzüvichü, M.A., Ph.D. | Assistant Professor |
| 7. Ms. Eyovono Tase, M.A., NET | Assistant Professor |



GEOGRAPHY



B.A./B.SC. PROGRAMMES IN GEOGRAPHY

Semester	Course	Course Name	Course Code	Credit
I	Major 1	Physical Geography		4
	Minor 1	Introduction to Physical Geography		4
	Skill Enhancement Course 1	Thematic Cartography		3
	Value Added Course 1	Environmental Science		3
II	Major 2	Human Geography		4
	Minor 2	Introduction to Human Geography		4
	Skill Enhancement Course 2	Cartographic Mapping		3
	Value Added Course 2	Indian Traditional Knowledge		
III	Major 3	Development of Geographical Thought		4
	Major 4	Geomorphology		4
	Minor 3	Earth System Dynamic		4
	Skill Enhancement Course 3	Geo-Surveying		3
IV	Major 5	Economic Geography		4
	Major 6	Geography Of India		4
	Major 7	Climatology		4
	Major 8	Field Work		4
	Minor 4	Fundamental Climatology		4
V	Major 9	Hydrology		4
	Major 10	Population Geography		4
	Major 11	Fundamentals of Remote Sensing.		4
	Minor MN 5	Geography of India		4
VI	Major 12	Geography Of Northeast India & Nagaland		4
	Major 13	Regional Planning & Development		4
	Major 14	Research Methodology in Geography		4
	Major 15	Fundamentals of GIS		4
	Minor 6	Evolution of Geographical Thought		4
VII	Major 16	Environmental Geography		4
	Major 17	Resource & Applied Geography		4
	Major 18	Advanced Geomorphology		4
	Major 19	Statistical Geography		4
	Minor 7	Environmental Geography		4
VIII	Major 20	Disaster Management		4
	Minor 8	Resource and Applied Geography		4
	Major 21	Social Geography	Or Research Project/Dissertation (12 credit)	4
	Major 22	Field Work		4
	Major 23	Geography of Transport		4



CAREER PROSPECT IN GEOGRAPHY

Civil services exams, teaching in schools/colleges/universities, Researcher, GIS and Remote Sensing specialist, geospatial analyst, Geoinformatics, Geopolitical Analyst, Urban Planner, Town Planner, Urban and Rural Development, Community development, Cartographer, Surveyor, Drafter, Enumerator, Environmental Scientist/Consultant, Climatologist, meteorologist, Conservation officer, Environment & Disaster Management, Emergency management Specialist, Geomorphologist, Hydrologist, Soil Conservationist, Water Conservation.

Faculty Profile:

1. Ms. Rongdensüngla Longkumer, M.Sc.	Associate Professor & Head
2. Dr. Sakhoveyi Lohe, M.Sc., Ph.D.	Associate Professor
3. Mr. Selie Puro, M.Sc.	Assistant Professor
4. Mr. Kezhadi Leno, M.Sc., NET	Assistant Professor
5. Mr. Kekhriele Nakhro, M.Sc., NET	Assistant Professor
6. Ms. T. K. Medowe-u, M.Sc., NET	Assistant Professor
7. Dr. Zakali Ayemi, M.A., M.Phil., Ph.D., NET	Assistant Professor
8. Mr. Shevito Theyo, M.Sc., NET	Assistant Professor



GEOLOGY

B.SC. PROGRAMME IN GEOLOGY

SEMESTER	COURSE	COURSE NAME	COURSE CODE	CREDIT
I	MJ-1	Essentials of Geology (Theory)		3
		Essentials of Geology (Practical)		1
II	MJ-2	Crystallography & Mineralogy (Theory)		3
		Crystallography & Mineralogy (Practical)		1
III	MJ-3	Geomorphology (Theory)		3
		Geomorphology (Practical)		1
	MJ-4	Structural Geology (Theory)		3
		Structural Geology (Practical)		1
IV	MJ-5	Igneous Petrology (Theory)		3
		Igneous Petrology (Practical)		1
	MJ-6	Sedimentary Petrology (Theory)		3
		Sedimentary Petrology (Practical)		1
	MJ-7	Paleontology (Theory)		3
		Paleontology (Practical)		1
V	MJ-8	Geology Of Nagaland (Theory)		3
		Field work I- Basic Field Training		1
	MJ-9	Metamorphic Petrology (Theory)		3
		Metamorphic Petrology (Practical)		1
	MJ-10	Indian Stratigraphy (Theory)		3
		Indian Stratigraphy (Practical)		1
VI	MJ-11	Hydrogeology & Engineering Geology (Theory)		3
		Hydrogeology & Engineering Geology (Practical)		1
	MJ-12	Economic Geology (Theory)		1
		Economic Geology (Practical)		3
	MJ-13	Fuel Geology(Theory)		1
		Fuel Geology (Practical)		3
VII	MJ-14	Remote Sensing And GIS (Theory)		3
		Remote Sensing And GIS (Practical)		1
	MJ-15	Geological Fieldwork		4
	MJ-16 DSE-1	Geochemistry (Theory) OR Introduction To Geophysics (Theory)		3
		Geochemistry (Practical) OR Introduction To Geophysics (Practical)		1
VIII	MJ-17 DSE-2	Exploration Geology (Theory) OR Urban Geology (Theory)		3
		Exploration Geology (Practical) OR Urban Geology (Practical)		1



	MJ-18 DSE-3	Environmental Geology (Theory) OR Evolution Of Life Through Time (Theory)	3	
		Environmental Geology (Practical)		1
		OR Evolution Of Life Through Time (Practical)		
	MJ-19 DSE-4	Introduction to Research Methodology Research and Publication Ethics (Theory) OR Marine Geology (Theory)		3
		Introduction to Research Methodology Research and Publication Ethics (Practical) OR Marine Geology (Practical)		1
VIII	MJ-20	Geology of North East India (Theory)		3
		Geology of North East India (Practical)		1
	MJ-21	Ore Geology & Mining (Theory)		3
		Ore Geology & Mining (Practical)		1
	MJ-22	Geodynamics & Tectonic Geomorphology (Theory)		3
		Geodynamics & Tectonic Geomorphology (Practical)		1
	MJ-23	Optical Mineralogy & Gemology (Theory)		3
		Optical Mineralogy & Gemology (Practical)		1
		OR		
		Research Project or Dissertation		12
				92

M.SC. PROGRAMME IN GEOLOGY

SEMESTER	COURSE CODE	COURSE TITLE	CREDITS
I	MGLC 1.11	Mineralogy, Crystallography and Analytical Techniques	4
	MGLC 1.21	Structural geology and Geodynamics	4
	MGLC 1.31	Igneous and Metamorphic Petrology	4
	MGLC 1.41	Sedimentology	4
	MGLC 1.12	Mineralogy, Crystallography and Analytical Techniques (Practical)	2
	MGLC 1.22	Structural geology and Geodynamics (Practical)	2
	MGLC 1.32	Igneous and Metamorphic Petrology (Practical)	2
	MGLC 1.42	Sedimentology (Practical)	2



II	MGLC 2.11	Palaeontology	4
	MGLC 2.21	Stratigraphy and Quaternary Geology	4
	MGLC 2.31	Mineral Exploration and Mining geology	4
	MGLC 2.41	Geomorphology and Oceanography	4
	MGLC 2.12	Palaeontology (Practical)	2
	MGLC 2.22	Stratigraphy and Quaternary Geology (Practical)	2
	MGLC 2.32	Mineral Exploration and Mining geology (Practical)	2
III	MGLC 2.42	Geomorphology and Oceanography (Practical)	2
	MGLC 3.11	Engineering Geology and Hydrogeology	4
	MGLC 3.21	Economic and Ore Geology	4
	MGLD 3.11(a)	Fuel Geology and Geochemistry	4
	MGLD 3.11(b)	Sedimentary Environment and Sedimentary Basins	4
	MGLD 3.11(c)	Advanced Hydrogeology	4
	MGLD 3.21(a)	Geology of North East India	4
III	MGLD 3.21(b)	Petroleum Exploration	4
	MGLD 3.21(c)	Marine Geology	4
	MGLC 3.12	Engineering Geology and Hydrogeology (Practical)	2
	MGLC 3.22	Economic and Ore Geology (Practical)	2
	MGLD3.12(a)	Fuel Geology and Geochemistry (Practical)	2
	MGLD3.12(b)	Sedimentary Environment and Sedimentary Basins (Practical)	2
	MGLD3.12(c)	Advanced Hydrogeology (Practical)	2
IV	MGLD 3.22(a)	Geology of North East India (Practical)	2
	MGLD 3.22(b)	Petroleum Exploration (Practical)	2
	MGLD 3.22(c)	Marine Geology (Practical)	2
	MGLC 4.11	Environmental Geology and Climatology	4
	MGLC 4.21	Remote Sensing and GIS	4
	MGLD 4.11	Fieldwork	4
	MGLD 4.21	Dissertation	4
IV	MGLC 4.12	Environmental Geology and Climatology (Practical)	2
	MGLC 4.22	Remote Sensing and GIS (Practical)	2
	MGLD 4.12	Seminar	2
	MGLD 4.22	Report and Presentation	2



CAREER PROSPECT IN GEOLOGY

Career options for geologists are available in the following Government and Private Sectors at lower, middle and senior/ top executive levels:

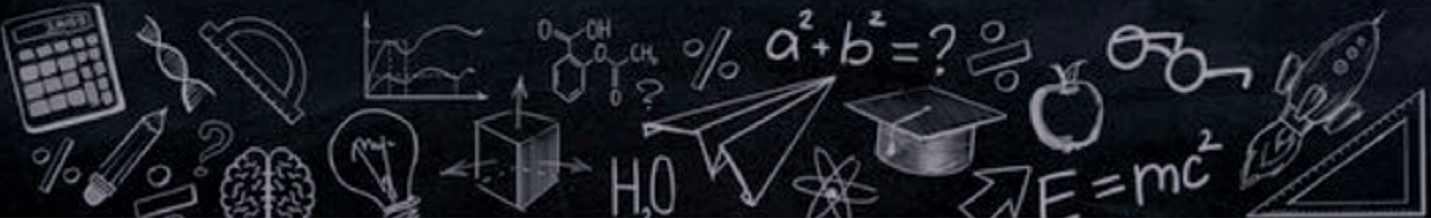
Indian Bureau of Mines, Atomic Energy Departments, Geological Survey of India, Oil and Natural Gas Corporation, National Mineral Development Corporation, Central Groundwater Board, Coal India Limited, Mineral Exploration Authority, Environmental Consultancy Firms, Mining Companies, Cement Companies, Geophysical Instrumentation, Geological Research Institutes and Organizations, State and Central Government Departments of Geology and Mining, Energy Companies - Reliance, Oil India, Hindustan Oil Corporation, Essar, Bharat Petroleum Corporation Limited, Leading Construction and Engineering Companies.

Faculty Profile:

1) Mrs. Aleno Doulo, M. Sc	Associate Professor & Head
2) Dr. (Mrs.) Meniele Nuh, M. Sc, Ph.D	Assistant Professor
3) Mr. Vitholeto Nagi, M. Sc, NET	Assistant Professor (on study leave)
4) Dr. (Mrs.) Rokokhono Nakhro, M. Sc, Ph.D, NET	Assistant Professor
5) Mr. Thejakielie Meyase, M. Sc, M. Tech, NET	Assistant Professor
6) Dr. (Mrs.) Anettsungla, M. Sc, Ph.D, NET	Assistant Professor
7) Ms. Tokatoli Achumi, M. Sc, NET	Assistant Professor
8) Mrs. Lorhienu Tase, M. Sc, NET	Assistant Professor
9) Mr. Francis Kikon, M. Sc, NET, GATE	Assistant Professor
10) Ms. Likumcha Yim, M. Sc, NET, GATE	Assistant Professor
11) Dr. Heizule Hegeu, M. Sc, Ph. D, NET	Assistant Professor



MATHEMATICS



B.SC. PROGRAMME IN MATHEMATICS

Semester	Major (Credit: 4)	Minor (Credit:4)	Multi- Disciplinary Courses (Credit:3)	AECC (Language)	Skill Enhancement Courses (Credit:3)	Common Value Added Courses (Credit:3)
I	1. Calculus (T+P)	Algebra (T+P)	Introductory Mathematics	AEC-1 (Credit:3)	Foundation Course in Mathematics (T+P)	Environmental Science
II	2. Algebra (T+P)	Calculus (T+P)	Quantitative Aptitude	AEC-1 (Credit:3)	Programming in C (T+P)	Mathematics for Competitive Examinations / Vedic Mathematics
III	3. Differential Equations (T+P) 4. Real Analysis-I	Group Theory	Vector Algebra/ SWAYAM	AEC-1 (Credit:2)	Introduction to LaTeX (T+P)	
IV	5. PDE and Systems of ODE (T+P) 6. Group Theory-I 7. Elementary Number Theory 8. Real Analysis-II	Differential Equations (T+P)				
V	9.Numerical Analysis (T+P) 10. Optional 11. Optional	Complex Variable				
VI	12.Linear Algebra-I (T+P) 13. Real analysis -III 14.Ring Theory 15. Complex Analysis -I	Numerical Analysis (T+P)				
VII	16.ODE (T+P) 17. Complex Analysis-II 18. Linear Algebra-II 19.Topology	Linear Algebra (T+P)				
VIII	20.PDE (T+P) and Dissertation or (The following three papers) 21. Optional 22. Optional 23. Optional	ODE (T+P)				

T: Theory; P: Practical

Options for Semester V (Any two):

1. Group Theory-II
2. Multivariate Calculus
3. Portfolio Optimization
4. Industrial Mathematics

5. Probability and Statistics
6. Theory of computation
7. Econometrics
8. Three Dimensional Geometry
9. Research Methodology

Options for Semester VIII (Any three):

1. Mechanics
2. Differential Geometry
3. Number Theory
4. Graph Theory

5. Operations Research-I
6. Finite Element Methods
7. Advanced LaTeX(T+P)
8. Bio-Mathematics
9. Discrete Mathematics



M.SC. PROGRAMME IN MATHEMATICS

SEMESTER	COURSE CODE	COURSE TITLE	CREDITS
I	MMAC 1.11	Ordinary Differential Equations (Theory)	4
	MMAC 1.12	Ordinary Differential Equations (Practical)	2
	MMAC 1.21	Linear Algebra	5+1
	MMAC 1.31	Real Analysis	5+1
	MMAC 1.41	Abstract Algebra	5+1
II	MMAC 2.11	Numerical Analysis	4
	MMAC 2.12	Programming in C (Practical)	2
	MMAC 2.21	General Topology	5+1
	MMAC 2.31	Classical Mechanics	5+1
	MMAC 2.41	Complex Analysis	5+1
III	MMAC 3.11	Partial Differential Equations (Theory)	4
	MMAC 3.12	Partial Differential Equations (Practical)	2
	MMAC 3.21	Functional Analysis	5+1
	MMAD 3.11	OPTIONAL*	5+1
	MMAD 3.21	OPTIONAL*	5+1
IV	MMAC 4.11	Mathematical Methods (Theory)	4
	MMAC 4.12	Mathematical Methods (Practical)	2
	MMAC 4.21	Rings & Modules	5+1
	MMAD 4.11	OPTIONAL**	5+1
	MMAD 4.21	OPTIONAL**	5+1 / 6

*** DISCIPLINE SPECIFIC ELECTIVE 1 & 2**
MMAD 3.11 & MMAD 3.21

COURSE TITLE	CREDITS
Number Theory	5+1
Operation Research	5+1
Tensor Analysis & Riemannian Geometry	5+1
Measure Theory	5+1
Graph Theory	5+1
Mathematical Statistics	5+1
Field Theory	5+1
Mathematical Modelling	5+1
Multivariable Calculus	5+1

**** DISCIPLINE SPECIFIC ELECTIVE 3 & 4**
MMAD 4.11 & MMAD 4.21

COURSE TITLE	CREDITS
Fluid Mechanics	5+1
Fourier Analysis	5+1
Algebraic Number Theory	5+1
Analytic Number Theory	5+1
Algebraic Topology	5+1
Commutative Algebra	5+1
Discrete Mathematics	5+1
Operation Research	5+1
Lie Algebra	5+1
Theory of Relativity	5+1
Game Theory	5+1
Dissertation/Project	6



CAREER PROSPECT IN MATHEMATICS

Teaching (Schools, Colleges, Universities & Institutes), Banking, Accounting, Engineering, Actuary, Statistics, Meteorology, Programming, System Analyst.

A trained mathematician can be very well employed outside academia. Government departments engaged in space research (the Indian Space Research Organization, or ISRO), defence research (Defence Research and Development Organization, or DRDO), aeronautical research (National Aeronautical Limited, or NAL), all employ mathematicians to solve their special problems. Today, Cryptology is in vogue (the systems ensuring the safety of our credit card transactions are based on some very sophisticated mathematics). Organizations such as the DRDO and the Society for Electronic Transactions and Security (SETS) are interested in mathematicians with training in this area. Financial Mathematics is another area that leads to well-paid jobs. Computer giants such as the IBM and Microsoft have research departments, which have highly paid scientists who are either mathematicians or theoretical computer scientists. With the rise of big data and artificial intelligence, mathematicians with expertise in statistics, optimization, and algorithms are in demand for roles in data science and machine learning. Another emerging area is Mathematical Biology, because of the complexity of the living systems. Mathematical Biology employs several fields of mathematics and has contributed to the development of new techniques. Even as a researcher, a career in mathematics research offers the opportunity to make meaningful contributions to knowledge, tackle challenging problems, and have a positive impact on society. Thus, there are plenty of scope for a mathematician.

Faculty Profile:

1. Dr. Hemanta Konwar, M.Sc., Ph.D.	Associate Professor & Head
2. Dr. Jane Roseline Yimchunger, M.Sc., Ph.D.	Assistant Professor
3. Mrs. Vitsono Lungalang, M.Sc.	Assistant Professor
4. Mr. Bendangwapang, M.Sc., M.Tech.	Assistant Professor
5. Mr. Teisovi Gerard Meyase, M.Sc., NET	Assistant Professor & CoE
6. Dr. Sedevikho Chase, M.Sc., Ph.D., NET	Assistant Professor
7. Mr. Along Longchari, M.Sc., NET	Assistant Professor
8. Ms. Shosinle Nyenthang, M.Sc., NET	Assistant Professor

PHYSICS

B.SC. PROGRAMME IN PHYSICS

Semester	Paper code	Major Paper Name Credits : 04(Theory-03, Practical-01/Tutorial-01)
Sem-I	MJ-1	Mathematical Physics-I (3T+1P)
Sem-II	MJ-2	Mechanics (3T+1P)
Sem-III	MJ-3	Electricity and Magnetism (3T+1P)
	MJ-4	Wave & optics(3T+1P)
Sem-IV	MJ-5	Mathematical Physics-II (3T+1P)
	MJ-6	Thermal Physics (3T+1P)
	MJ-7	Elements of Modern Physics (3T+1P)
	MJ-8	Condensed Matter Physics- I (3T+1P)
Sem-V	MJ-9	Mathematical Physics -III (3T+1P)
	MJ10	Analog Electronics (3T+1P)
	MJ-11	Classical Mechanics (3T+1Tu)
Sem-VI	MJ-12	Quantum Physics-I (3T+1Tu)
	MJ-13	Statistical Mechanics (3T+1P)
	MJ-14	Electrodynamics (3T+1P)
	MJ-15	Digital Electronics (3T+1P)
Sem-VII	MJ-16	Advanced Mathematical Physics (3T+1Tu)
	MJ-17	Atomic and Molecular(3T+1P)
	MJ-18(A)	Condensed Matter Physics-II (3T+1P)
	MJ-18(B)	or Computational Physics (3T+1P)
	MJ-18(C)	or Bio -Physics (3T+1P)
	MJ-19(A)	Advance Statistical Mechanics (3T+1Tu)
	MJ-19(B)	or Experimental Techniques (3T+1P)
	MJ-19(C)	or Atmospheric Physics(3T+1P)
Sem-VIII	MJ-20	Quantum Mechanics-II (3T+1Tu)
	MJ-21	Nuclear and Particle Physics (3T+1P)
	MJ-22(A)	Embedded systems - Introduction to Microcontroller(3T+1P)
	MJ-22(B)	or Geo-Physics(3T+1Tu)
	MJ-23(A)	Nano Physics (3T+1P)
	MJ-23(B)	or Astronomy and Astrophysics (3T+1P)

**B. Minor Papers**

SEMESTER	PAPER CODE	Minor Paper Name Credits : 04(Theory-03, Practical-01/Tutorial-01)
Sem-I	MN-1	Mathematical Methods (3T+1P)
Sem-II	MN-2	Mechanics (3T+1P)
Sem-III	MN-3	Electricity and Magnetism (3T+1P)
Sem-IV	MN-4	Thermal and Statistical Physics (3T+1P)
Sem-V	MN-5	Electrodynamics (3T+1P)
Sem-VI	MN-6	Elements of Modern Physics (3T+1P)
Sem-VII	MN-7	Quantum Mechanics (3T+1P)
Sem-VIII	MN-8	Electronics (3T+1P)

* Minor paper can be opted by non-Physics major students who had Physics as one of the paper in HSSLC.

C. Multi-Disciplinary Courses

SEMESTER	PAPER CODE	Multi-Disciplinary** paper name Credits: 03
Sem-I	MDC-1(A)	General Physics-1 (3T)
	MDC-1(B)	Introduction to Atmospheric Physics
Sem-II	MDC-2(A)	General Physics-2 (3T)
	MDC-2(B)	Introduction to Astronomy (3T)
Sem-III	MDC-3(A)	Introduction to Nano Physics (3T)
	MDC-3(B)	Water Science (3T)

** MD courses are open to all those students who did not have Physics as one of the paper in HSSLC. Multi-disciplinary course and Minor should be different subjects.

D. Skill-Enhancement Courses

SEMESTER	PAPER CODE	Skill-Enhancement Course name Credits: 03 (Practical-02; Theory: 01)
Sem-I	SEC-1(A)	physics workshop skill
	SEC-1(B)	electrical circuits and network skills
Sem-II	SEC-2(A)	Basic Instrumentation Skill
	SEC-2(B)	Radiation Safety
Sem-III	SEC-3(A)	Renewable Energy and Energy Harvesting
	SEC-3(B)	Introduction to Python

Only Physics major students can opt for SEC.

E. Ability Enhancement courses:

English, Tenzidie and other Languages shall be offered.

F. Value Added Courses

Semester	Paper Code	Name of the Paper Credits: 03 (Theory:03)
Sem-I	VAC-1	Environmental Sciences
Sem-II	VAC-2	Foundation Course in Indian Knowledge System



M.SC. PROGRAMME IN PHYSICS

SEMESTER	COURSE CODE	COURSE TITLE	CREDITS
I	MPHC 1.11	Classical Mechanics	5+1
	MPHC 1.21	Quantum Mechanics-I	4
	MPHC 1.31	Mathematical Physics	4
	MPHC 1.41	Statistical Mechanics	5+1
	MPHC 1.22	Quantum Mechanics-I	2
	MPHC 1.32	Mathematical Physics	2
II	MPHC 2.11	Electrodynamics	4
	MPHC 2.21	Quantum Mechanics- II	5+1
	MPHC 2.31	Nuclear & Particle Physics	4
	MPHC 2.41	Condensed Matter Physics -I	4
	MPHC 2.22	Electrodynamics	2
	MPHC 2.32	Nuclear & Particle Physics	2
III	MPHC 2.42	Condensed Matter Physics -I	2
	MPHC 3.11	Embedded Systems: Introduction to microcontrollers	4
	MPHC 3.21	Atomic & Molecular Spectroscopy	4
	MPHC 3.12	Embedded Systems: Introduction to microcontrollers	2
	MPHC 3.22	Atomic & Molecular Spectroscopy	2
	MPHD 3.11(a)	Condensed Matter Physics-II	4
III	MPHD 3.11(b)	Remote Sensing of the atmosphere	4
	MPHD 3.11(c)	High Energy Physics	5+1
	MPHD 3.21(a)	Astronomy and Astrophysics	4
	MPHD 3.21(b)	Digital Signal Processing	4
	MPHD 3.21(c)	Plasma Physics	5+1
	MPHD 3.12(a)	Condensed Matter Physics-II	2
III	MPHD 3.12(b)	Remote Sensing of the atmosphere	2
	MPHD 3.22(a)	Astronomy and Astrophysics	2
	MPHD 3.22(b)	Digital Signal Processing	2
IV	MPHC 4.11	Computational Physics	4
	MPHC 4.21	Experimental Methods	4
	MPHC 4.12	Computational Physics	2
	MPHC 4.22	Experimental Methods	2
	MPHD 4.11(a)	Atmospheric Physics	4
	MPHD 4.11(b)	Applied Dynamics	5+1
IV	MPHD 4.11(c)	Communication Electronics	4
	MPHD 4.12(a)	Atmospheric Physics	2
	MPHD 4.12(c)	Communication Electronics	2
	MPHD 4.21	Dissertation	6



CAREER PROSPECT IN PHYSICS

There are several career options for Physics graduates. Some of the career paths are highlighted:

Teaching: Physics graduates can pursue a career in teaching, working as professors, lecturers or teachers at universities, colleges or schools.

Academic Research: Physics graduates can pursue a career in academic research, working as research assistants, research fellows or scientists at various research institutions such as the Indian Institutes of Technology (IITs), Indian Institute of Science (IISc), Indian Institutes of Science Education and Research (IISERs), Tata Institute of Fundamental Research (TIFR), Bhabha Atomic Research Centre (BARC), Space Physics Laboratory (SPL), Institute for Plasma Research (IPR), Indian Institute of Astrophysics (IIA), Raman Research Institute (RRI), Physical Research Laboratory (PRL), Saha Institute of Nuclear Physics (SINP), Inter University Accelerator Center (IUAC), Indian Institute of Space Science and Technology (IIST), Indira Gandhi Centre for Atomic Research (IGCAR), Indian Institute of Geomagnetism (IIG), Indian Institute of Tropical Meteorology (IITM) and a host of other top research institutes.

Science Communication: Physics graduates can also work as science communicators, science writers or journalists, popularizing scientific knowledge to the general public through various media channels.

Data Science: Physics graduates with strong mathematical and computational skills are highly sought after in the field of data science, which involves analyzing and interpreting large amounts of data.

In addition to these options, there are also opportunities for Physics graduates in government organizations such as the Department of Atomic Energy (DAE), India Meteorological Department (IMD), Defence Research and Development Organisation (DRDO) and the Indian Space Research Organization (ISRO), as well as in private companies such as software development firms, research and development labs, and consulting firms.

Overall, the career prospects for Physics graduates are diverse and promising, with many opportunities for growth and development in a range of fields.

Department of Physics

1. Dr. Chetan Kachhara, M.Sc., Ph.D.	Associate Professor & Head
2. Mr. Veta Nyienyu, M.Sc.	Assistant Professor
3. Dr. Talinungsang, M.Sc., Ph.D.	Assistant Professor
4. Mr. Imlisunup, M.Sc.	Associate Professor
5. Mrs. Meripeni Ezung, M.Sc., M.Phil.	Associate Professor
6. Mr. Samuel Ao, M.Sc.	Assistant Professor
7. Mr. Mangliyangba, M.Sc., NET	Assistant Professor
8. Mr. Subenthung Tsopoe, M.Sc., NET	Assistant Professor
9. Dr. Visuzoto Valeo, M.Sc., Ph.D., NET	Assistant Professor



STATISTICS

B.SC. PROGRAMME IN STATISTICS

Semester	Course Code	Course Title	Credit
I	MJ – 1	Descriptive Statistics & Probability Theory	Credit – 4 (100 Marks)
	MN-1	Descriptive Statistics & Probability Theory	Credit – 4 (100 Marks)
	MDC-1	Statistical Method	Credit – 3 (75 Marks)
	AEC-1	Ability Enhancement Course	Credit – 3 (75 Marks)
	SEC-1	MS-Excel and R	Credit – 3 (75 Marks)
	VAC-1	Environmental Studies	Credit – 3 (75 Marks)
II	MJ – 2	Probability Distributions and Correlation Analysis	Credit – 4 (100 Marks)
	MN-2	Probability Distributions and Correlation Analysis	Credit – 4 (100 Marks)
	MDC-2	Testing of Hypothesis	Credit – 3 (75 Marks)
	AEC-2	Ability Enhancement Course	Credit – 3 (75 Marks)
	SEC-2	Statistical Data Analysis Using Software Packages (SPSS)	Credit – 3 (75 Marks)
	VAC-2	Indian Knowledge System (IKS): Indian Culture and Civilization OR Healthcare Systems and Policies	Credit – 3 (75 Marks)
III	MJ – 3	Statistical Inference	Credit – 4 (100 Marks)
	MJ – 4	Calculus	Credit – 4 (100 Marks)
	MN-3	Statistical Inference	Credit – 4 (100 Marks)
	MDC-3	Applied Statistics	Credit – 3 (75 Marks)
	AEC-2	Ability Enhancement Course	Credit – 3 (75 Marks)
	SEC-3	Statistical Computing Using C/C++ Programming	Credit – 3 (75 Marks)
IV	MJ – 5	Sampling Distributions, Non-Parametric, Theory of Attributes and Order Statistics	Credit – 4 (100 Marks)
	MJ – 6	Survey Sampling	Credit – 4 (100 Marks)
	MJ – 7	Algebra	Credit – 4 (100 Marks)
	MJ – 8	Applied Statistics	Credit – 4 (100 Marks)
	MN-4	Sampling Distributions, Non-Parametric, Theory of Attributes and Order Statistics	Credit – 4 (100 Marks)
V	MJ – 9	Linear Models and ANOVA	Credit – 4 (100 Marks)
	MJ – 10	Time Series Analysis	Credit – 4 (100 Marks)
	MJ – 11	Demography	Credit – 4 (100 Marks)
	MN-5	Survey Sampling and Design of Experiment	Credit – 4 (100 Marks)
	Internship		Credit – 4 (100 Marks)
VI	MJ – 12	Stochastic Processes and Queuing Theory	Credit – 4 (100 Marks)
	MJ – 13	Design of Experiments	Credit – 4 (100 Marks)
	MJ – 14	Operations Research	Credit – 4 (100 Marks)
	MJ – 15	Numerical Analysis and Bivariate Normal Distribution	Credit – 4 (100 Marks)
	MN-6	Applied Statistics	Credit – 4 (100 Marks)



VII	MJ – 16	Mathematical Analysis	Credit – 4 (100 Marks)
	MJ – 17	Statistical Quality Control	Credit – 4 (100 Marks)
	MJ – 18	Applied Multivariate Analysis	Credit – 4 (100 Marks)
	MJ – 19	Econometrics	Credit – 4 (100 Marks)
	MN-7	Demography	Credit – 4 (100 Marks)
VIII	MJ-20	Research Methodology	Credit – 4 (100 Marks)
	MJ-21	Reliability Theory	Credit – 4 (100 Marks)
	MJ-22	Biostatistics and Epidemiology	Credit – 4 (100 Marks)
	MJ-23	Statistics for Sustainable Development	Credit – 4 (100 Marks)
	MN-8	Time Series Analysis	Credit – 4 (100 Marks)

CAREER PROSPECT IN STATISTICS

Statistical officer, Research Officer, Banking sector, Management, Computer administration, Through UPSC or staff selection Commission (SSC): Indian Statistical Service, Statistical Inspector / Investigator, Research Investigator, Research , Officer, Data analyst in Census department, NSSO, CSO, etc.

Through NPSC: Assistant Professor, Research Officer in Planning and Development Dept., Statistical Officer , Statistical Investigator / Investigator under Directorate of Economic and Statistics, and various department under State Government.

Students with M.Sc. in Data Analysis and M.Sc. in Bio-statistics, or an MSc in Population Studies have good chances of job opportunities in Industrial or allied sectors.

Faculty Profile

- | | |
|---|-------------------------------|
| 1. Dr. Pallab Changkakoti, M.Sc., Ph.D., PGDCA. | Assistant Prof. & Head |
| 2. Dr. Seikh Faruk Ahmed, M.Sc., Ph.D. | Associate Professor (on lien) |
| 3. Ms Rovila Jinger, MSc, NET | Assistant Professor |
| 4. Mrs. Vibunü Sothu, M.Sc. | Assistant Professor |
| 5. Ms. Tzudina Jamir, MSc, NET | Assistant Professor |



ZOOLOGY

B.SC. PROGRAMME IN ZOOLOGY

SEMESTER	COURSE	COURSE NAME	CREDIT
I	MAJOR 1	Non- chordates 1: Protozoans to Pseudocoelomates (Theory & Practical)	4
	MINOR 1	Non- chordates 1: Protozoans to Pseudocoelomates (Theory & Practical)	4
	MDC 1	Traditional Knowledge System-1 (Theory & Practical)	3
	SEC 1	(A) Apiculture (Theory & Practical) (or) (B) Aquarium Fish Keeping (Theory & Practical)	3
	VAC 1	Environmental Studies (Theory)	3
II	MAJOR 2	Non-chordates II: Coelomates (Theory & Practical)	4
	MINOR 2	Non-chordates II: Coelomates (Theory & Practical)	4
	MDC 2	Traditional Knowledge System-2 (Theory & Practical)	3
	SEC 2	(A) Medical Diagnostics (Theory & Practical) (or) (B) Sericulture (Theory & Practical)	3
	VAC 2	Food, Nutrition and Health (Theory)	3
III	MAJOR 3	Diversity of Chordates (Theory & Practical)	4
	MAJOR 4	Cell Biology (Theory & Practical)	4
	MINOR 3	Cell Biology (Theory & Practical)	4
	MDC 3	Fundamentals of Life Sciences (Theory)	3
	SEC 3	(A) Vermicomposting techniques (Theory & Practical) (or) (B) Poultry Management (Theory & Practical)	3



IV	MAJOR 5	Fundamentals of Biochemistry (Theory & Practical)	4
	MAJOR 6	Comparative Anatomy of Vertebrates (Theory & Practical)	4
	MAJOR 7	Principles of Ecology (Theory & Practical)	4
	MAJOR 8	Physiology: Controlling and Coordinating Systems (Theory & Practical)	4
	MINOR 4	Physiology: Controlling and Coordinating Systems (Theory & Practical)	4
V	MAJOR 9	Physiology: Life Sustaining Systems (Theory & Practical)	4
	MAJOR 10	Biochemistry of Metabolic Processes (Theory & Practical)	4
	MAJOR 11	Developmental Biology (Theory & Practical)	4
	MINOR 5	Developmental Biology (Theory & Practical)	4
	INTERNSHIP		4
VI	MAJOR 12	Principles of genetics (Theory & Practical)	4
	MAJOR 13	Biosystematics and Evolutionary Biology (Theory & Practical)	4
	MAJOR 14	Animal Behaviour and Chronobiology (Theory & Practical)	4
	MAJOR 15	Environmental and Public Health (Theory & Practical)	4
	MINOR 6	Environmental and Public Health (Theory & Practical)	4
VII	MAJOR 16	(A) Fish biology-I (Theory & Practical) (or) (B) Entomology-I (Theory & Practical)	4
	MAJOR 17	Biotechniques and Biostatistics (Theory & Practical)	4
	MAJOR 18	Research methodology (Theory & Practical)	4
	MAJOR 19	Endocrinology (Theory & Practical)	4
	MINOR 7	Endocrinology (Theory & Practical)	4
VIII	MAJOR 20	(A) Fish biology-II (Theory & Practical) (or) (B) Entomology-II (Theory & Practical)	4
	MAJOR 21	Immunology (Theory & Practical)	4
	MAJOR 22	Reproductive biology (Theory & Practical)	4
	MAJOR 23	Parasitology (Theory & Practical)	4
	MINOR 8	Parasitology (Theory & Practical)	4
	<i>(In lieu of MAJOR 21, 22 & 23) or Research Project/ Dissertation</i>		12



M.SC. PROGRAMME IN ZOOLOGY

SEMESTER	COURSE CODE	COURSE TITLE	CREDITS
I	MZOC 1.11	Genetics & Cytogenetics	4
	MZOC 1.21	Animal Physiology	4
	MZOC 1.31	Biosystematics & Evolutionary Biology	4
	MZOC 1.41	Biochemistry	4
	MZOC 1.12	Genetics & Cytogenetics (Practical)	2
	MZOC 1.22	Animal Physiology (Practical)	2
	MZOC 1.32	Biosystematics & Evolutionary Biology (Practical)	2
	MZOC 1.42	Biochemistry (Practical)	2
II	MZOC 2.11	Cell & Molecular Biology	4
	MZOC 2.21	Developmental Biology	4
	MZOC 2.31	Proteomic & Enzymology	4
	MZOC 2.41	Techniques in Biology	4
	MZOC 2.12	Cell & Molecular Biology (Practical)	2
	MZOC 2.22	Developmental Biology (Practical)	2
	MZOC 2.32	Proteomic & Enzymology (Practical)	2
	MZOC 2.42	Techniques in Biology (Practical)	2
III	MZOC 3.11	Parasitology	4
	MZOC 3.21	Immunology	4
	MZOC 3.12	Parasitology (Practical)	2
	MZOC 3.22	Immunology (Practical)	2
	MZOD 3.11(a)	Endocrinology – I	4
	MZOD 3.11(b)	Fish Biology – I	4
	MZOD 3.11(c)	Limnology – I	4
	MZOD 3.11(d)	Entomology – I	4
	MZOD 3.12(a)	Endocrinology – I (Practical)	2
	MZOD 3.12(b)	Fish Biology – I (Practical)	2
	MZOD 3.12(c)	Limnology – I (Practical)	2
	MZOD 3.12(d)	Entomology – I (Practical)	2
	MZOD 3.21(a)	Research Methodology	6
	MZOD 3.21(b)	Research Methodology	6
	MZOD 3.21(c)	Research Methodology	6
IV	MZOC 4.11	Ecology & Environmental Biology	4
	MZOC 4.21	Animal Behaviour & Chronobiology	4
	MZOC 4.12	Ecology & Environmental Biology (Practical)	2
	MZOC 4.22	Animal Behaviour & Chronobiology (Practical)	2
	MZOD 4.11(a)	Endocrinology – I	4
	MZOD 4.11(b)	Fish Biology – I	4
	MZOD 4.11(c)	Limnology – I	4
	MZOD 4.11(d)	Entomology – I	4
	MZOD 4.12(a)	Endocrinology – I (Practical)	2
	MZOD 4.12(b)	Fish Biology – I (Practical)	2
	MZOD 4.12(c)	Limnology – I (Practical)	2
	MZOD 4.12(d)	Entomology – I (Practical)	2
	MZOD 4.21	Dissertation	6



CAREER PROSPECT IN ZOOLOGY

Teaching, Research, IFS, Conservationist, Environmentalist, Biotechnology, Bioinformatics, Environmental Science, ICAR, Zoo/Animal Keeper, Laboratory Assistant, Technician, Hospitals and Clinics, Pharmacy, Ecologist, Entomologist, Nutritionist, Bee Keeping, Sericulture, Fisheries, Pathologist.

Faculty Profile:

1. Dr. Anungla Pongener, M.Sc., Ph.D.	Associate Professor & Head
2. Dr. Limatemjen, M.Sc., Ph.D.	Associate Professor & Dean of Sciences
3. Mrs. Katasinliu Remmei, M.Sc.	Associate Professor
4. Dr. Vethselo Doulo, M.Sc., Ph.D., NET	Assistant Professor
5. Mrs. Venolü Kezo, M.Sc.	Assistant Professor
6. Ms. Rüsokhrienuo Theünuo, M.Sc.	Assistant Professor
7. Dr. Lilongchem Thyüg, M.Sc., Ph.D.	Assistant Professor
8. Mr Chiratho M. Nyuwi, MSc, PGDDM	Assistant Professor
9. Dr. Ruokuovikho Dominic, M.Sc., Ph.D.	Assistant Professor
10. Mrs Luiluile Lungalang, MSc, NET, B.Ed.	Assistant Professor



TENYIDIE

B.A. PROGRAMME IN TENYIDIE

SEMESTER	COURSE	COURSE NAME	COURSE CODE	CREDIT
I	MAJOR 1	U Themia mu u Die Dzewe (Theory)		3
		Tenyidie Kepu Kerünyü (Practical)		1
	MINOR 1	U Themia mu u Die Dzewe (Theory)		3
		Tenyidie Kepu Kerünyü (Practical)		1
	AEC 1	Noudodze		3
	SEC 1	Pfhemenei mu Rütso (Theory)		1
		Cümenyie Zu Dojükecü (Practical)		2
II	MAJOR 2	Diemvü mu Kethu-Kephürü Zho(Theory)		3
		Pfhephra pengouko kekie do (Practical)		1
	MINOR 2	Diemvü mu Kethu-Kephürü Zho(Theory)		3
		Pfhephra pengouko kekie do (Practical)		1
	AEC 2	Tenyidie Communication		3
	SEC 2	Liecielierhi (Theory)		1
		Tezie Kechü (Practical)		2
	VAC2	Keshürho Mhasi (Theory)		3
III	MAJOR 3	Tenyidie kepu mu kezo (Theory)		3
		Nourhei Diepu. (Practical)		1
	MAJOR 4	Diemvü Rhitho Dze (Theory)		3
		Diemvü Rhiko Chü Pekiekecü (Practical)		1
	MINOR 3	Tenyidie kepu mu kezo (Theory)		3
		Nourhei Diepu. (Practical)		1
	AEC 3	Geizo Mu Kelhouzho		2
	SEC 3	Rhithorhirhie (Theory)		1
		Thedzie Rhitho (Practical)		2



SEMESTER	COURSE	COURSE NAME	COURSE CODE	CREDIT
IV	MAJOR 5	Tenyimia Kelhouzho (Theory)		3
		Kelhouzho Chü Pekiekcü (Practical)		1
	MAJOR 6	Keriekimia Geizo (Theory)		3
		Geizo Kewe: Kepfhü, Kephrü Mu puoca Vatshakecü (Practical)		1
	MAJOR 7	U Teiki Geizo (Theory)		3
		Geizo Zo: Kephrü Mu Puoca Vatsakecü (Practical)		1
	MAJOR 8	Dzewe Kedzü (Theory)		3
		Dzewe Kepfhü Mu Kepukecü (Practical)		1
	MINOR 4	Tenyimia Kelhouzho (Theory)		3
		Kelhouzho Chü Pekiekcü (Practical)		1
V	MAJOR 9	Diezho Mu Kezo (Theory)		3
		Keprülikecü (Practical)		1
	MAJOR 10	Study Of Literature		4
	MAJOR 11	Rüsie (Theory)		3
		Rüsie Kechü Do (Practical)		1
	MINOR 5	Diezho Mu Kezo (Theory)		3
		Keprülikecü (Practical)		1
VI		INTERNSHIP		4
	MAJOR 12	Noudodze (Theory)		3
		Tsie Teiu Pemvü Di Noudodze Thukecü(Practical)		1
	MAJOR 13	Study Of Major Prose Writing(Theory)		4
	MAJOR 14	Basic Linguistic		4
	MAJOR 15	Diemvü Thete (Theory)		3
		Diete Kechü Do: thedze kedzü diete, Geizo diete, Rüsie diete, Noudodze diete (Practical)		1
	MINOR 6	Noudodze (Theory)		3
		Tsie Teiu Pemvü Di Noudodze Thukecü(Practical)		1



SEMESTER	COURSE	COURSE NAME	COURSE CODE	CREDIT
VII	MAJOR 16	Die Dze Kephru (Theory)		3
		Die se pecukelie Dorhuko (Practical)		1
	MAJOR 17	Nacünanyü Mu Kepele (Theory)		3
		Thetsa Mharie Mu Rükhruo Mhathu (Field Trip And Report Writing)		1
	MAJOR 18	English Fiction (Theory)		4
	MAJOR 19	Introduction to Language and Branches of Linguistics (Theory)		4
	MINOR 7	Die Dze Kephru (Theory)		3
		Die se pecukelie Dorhuko (Practical)		1
VIII	MAJOR 20	U Themia Mhasi Kesou (Theory)		3
		Thedzie Mhatho chüpie Kecipukelie (Practical)		1
	MINOR 8	U Themia Mhasi Kesou (Theory)		3
		Thedzie Mhatho chüpie Kecipukelie (Practical)		1
	MAJOR 21	Tenyidie Invocational and Lyrical Poetry (Theory)		3
		Rüheja mu Geizo : Phrü Dojükecü (Practical)		1
	MAJOR 22	Lhenu Kinyiko (Theory)		3
		Chü Dojü mu Kerüguo Dorhü (Practical)		1
	MAJOR 23	Speech Sound and Phonetics Transcription (Theory)		4
		OR		
		<i>(In lieu of MAJOR 21, 22 & 23) or Research Project/ Dissertation</i>		12

CAREER PROSPECT IN TENYIDIE

Writing and Composing (Creative/block/critical), Translation (Written/Oral), Teaching (pre-school to University), Research, Civil Service, Tutors of spoken Tenyidie, Journalism, Media Industry (Radio), Preservation of Traditional Cultures (Folk-lore, Folk-music, Cultural Values, Social Values)

Faculty Profile:

- | | |
|-------------------------------------|--------------------------------------|
| 1. Ms. Vizomenuo Merlyn Yhome, M.A. | Assistant Professor & Head |
| 2. Mrs. Sepole Hesuh, M.A. | Assistant Professor |
| 3. Mr. Vimedo Keyho, M.A. | Assistant Professor (on study leave) |
| 4. Ms. Vilehunuo, M.A. | Assistant Professor |

VALUE ADDED COURSE (VAC)

Environmental Science

Environmental Science is a compulsory subject under AECC in the second semester of the BA/BSc programme. In the absence of a full-fledged Environmental Science department, a committee oversees the implementation of this paper.

1. Mr Kenneth Punyü, (Convener) Associate Prof, Chemistry
2. Mrs Vineino Rhetso, Associate Prof, Chemistry
3. Mr Kekhriele Nakhro, Assistant Prof, Geography
4. Mr Shevito Theyo, Assistant Prof, Geography



CAREER PROSPECT IN NCC

Possessing NCC 'C' Certificate (at least Grade B) with Graduate degree can get direct entry in Indian Military of various branches through SSB without UPSC examination. 64 vacancies reserved every year for NCC -C' Certificate holders in Indian Army irrespective of merit in SSB. 100 vacancies Direct Entry in CDSE for Short Service Commissioned Officers in the Indian Army through direct SSB Interview every year. 2 years age relaxation for NCC 'C' Certificate holders in SSB Interview. 10% of all available seats are reserved for NCC -C' Certificate (Air Wing) holders in Regular Officers in Indian Air Force including Pilot courses, no UPSC Examinations. Additional marks and preference for entry into the Paramilitary Forces and Central Police Forces as officers and various other ranks. The course curriculum is to create a human resource of highly organised, trained, disciplined and motivated youth, to provide leadership in all walks of life and always be available for the service of the society and nation at large.

FACULTY PROFILE:

- | | |
|------------------------|-----|
| 1. Lieut. T K Medoweu | ANO |
| 2. Lieut. Savilie Yhor | ANO |
| 3. Dr. Visüzoto Valeo | CTO |



LIBRARY

- | | |
|--------------------------------|-------------------|
| 1. Mr. Noketo Pusa, MLISc, NET | Librarian |
| 2. Mr. Mhasilevi Peseyie | Library Assistant |
| 3. Mr. Kevisesilie Peseyie | Library Bearer |

IT & COMMUNICATION

- | | |
|--------------------------|----------------------|
| Er. Neilhite Kapfo, B.E. | System Administrator |
|--------------------------|----------------------|

MINISTERIAL STAFF

- | | |
|--------------------------------|-------------------------------|
| 1. Vacant | H.A. |
| 2. Mrs. Ajungla Longkumer | U.D.A. |
| 3. Mr. Vemutha Chakhesang | Accountant |
| 4. Mrs. Teisovi-ü | Stenographer |
| 5. Mrs. Neimeseü Mero | U.D.A. |
| 6. Mrs. Sentijungla Imsong | L.D.A. |
| 7. Vacant | Typist |
| 8. Mrs. Vikedono Justine Zinyü | U.D.A. |
| 9. Mr. Amudo Nenuh | L.D.A. cum Computer Assistant |
| 10. Mr. I. Imliwapang | L.D.A. cum Computer Assistant |
| 11. Ms. Ruuvonuo Chielie | L.D.A. cum Computer Assistant |
| 12. Mr. Sukho Domeh | L.D.A. cum Computer Assistant |
| 13. Mr. Zapota Kezo | U.D.A. |

SENIOR TECHNICIANS

- | | |
|------------------------------|--------------|
| 1. Ms. Vikehienu Ltu, M.Sc. | Anthropology |
| 2. Ms. Phejin Konyak, M.Sc. | Botany |
| 3. Ms. Khrüvonuo Kiso, M.Sc. | Physics |
| 4. Ms. Yangthei Y, M.Sc. | Zoology |

LABORATORY ASSISTANTS

- | | |
|-----------------------------|---------------------|
| 1. Mr. Zhasakhoto Peseyie | Zoology |
| 2. Vacant | Geology |
| 3. Mrs. Vidilhuno Peseyie | Geology |
| 4. Ms. Mendila Aier | Chemistry |
| 5. Mr. Keneikiekho Nakhro | Physics |
| 6. Mr. Rhinyi | Herbarium Assistant |
| 7. Mrs. Rokozhano Nisa | Geography |
| 8. Mrs. Vizomenuo | Anthropology |
| 9. Mr. Bovito Chopi | Physics |
| 10. Mrs. Meyatula Longkumer | Botany |
| 11. Mr. Neilakuolie | Chemistry |
| 12. Mr. Neilako Nakhro | Statistics |



Government of Nagaland

OFFICE OF THE PRINCIPAL : KOHIMA SCIENCE COLLEGE

(an Autonomous Government P.G. College)

Jotsoma, Nagaland

ACADEMIC CALENDER 2024

Sl No	Event	Date	Day
1	Commencement of Even Semester	31 Jan	Wed
2	Readmissions to Even Semesters	01 Feb to 15 Feb	Thu to Thu
3	National Science Day	28 Feb	Wed
4	Cultural Day	08 Mar	Fri
5	Submission of Internal Assessment Marks	29 Apr	Mon
6	Parting Social	30 Apr	Tue
7	Boards of Studies Meetings	Apr	
8	Academic Council Meeting	May	
9	Publication of Qualified List	06 May	Mon
10	Form Filling for End Semesters Examinations	09 May to 13 May	Thu to Mon
11	Even End Semesters Examinations (Theory)	16 May to 04 Jun	Thu to Tue
12	World Environment Day	05 Jun	Wed
13	Result preparation & declaration Fieldworks / Dissertations / Skill Enhancement / Vocational Courses	05 Jun to 15 Jun	Wed to Sat
14	Commencement of Odd Semesters	16 Jul	Tue
15	Readmissions to Odd Semesters	16 Jul to 26 Jul	Tue to Fri
16	Students' Union Election	07 Aug to 09 Aug	Wed to Fri
17	Freshers' Social	22 Aug	Thu
18	College Foundation Day/Annual Alumni Lecture	15 Sep	Sun
19	Submission of Internal Assessment Marks	18 Oct	Fri
20	Publication of Qualified List	25 Oct	Fri
21	Form Filling for End Semesters Examinations	30 Oct to 04 Nov	Wed to Mon
22	Boards of Studies Meetings	Oct	
23	Academic Council Meeting	Nov	
24	Odd End Semesters Examinations (Theory)	06 Nov to 30 Nov	Wed to Sat
25	National Education Day	11 Nov	Mon
26	Result preparation Fieldworks / Dissertations / Skill Enhancement / Vocational Courses	02 Dec to 13 Dec	Mon to Fri
27	WinFest	02 Dec to 07 Dec	Mon to Sat
28	Staff Council Meeting	13 Dec	Fri

Copy to:

- 1 The Commissioner & Secretary, Higher Education, Nagaland
- 2 The Director, Directorate of Higher Education, Kohima, Nagaland
- 3 The Registrar, Nagaland University, Kohima
- 4 The Controller of Examinations, Nagaland University, Kohima
- 5 The Chairman, Nagaland Board of School Education, Kohima
- 6 The Controller of Examinations, Nagaland Board of School Education, Kohima
- 7 The Vice Principal, Kohima Science College, Jotsoma
- 8 All Heads of Departments, Kohima Science College, Jotsoma
- 9 The Librarian, Kohima Science College, Jotsoma
- 10 The Guard File

Sd/-
Dr Temjenwabang
Principal

Dr Temjenwabang
Principal



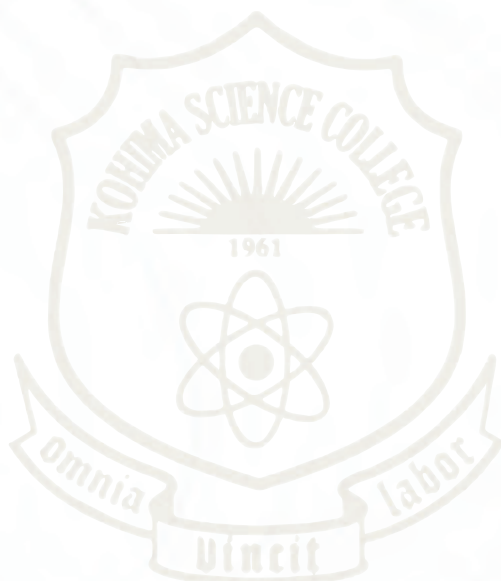
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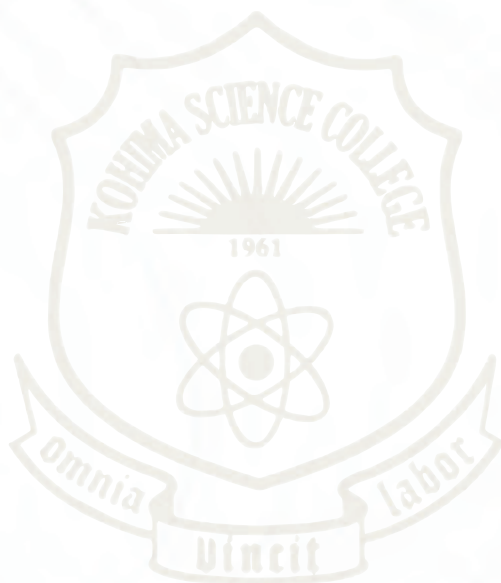
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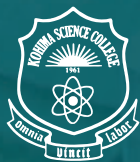
Science College, Kohima
Thy name we adore, we do;
To thee we come, all in unity
Let us find the truth we seek.
To the unknown as we go sailing,
With our God as our Captain,
Omnia Vincit Labor
Let thy motto be our guide.

MR. KIREMWATI AO

Former Principal
Kohima Science College







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