NAGALAND UNIVERSITY

(A Central University established by an Act of Parliament No. 35 of 1989)

SCHOOL OF AGRICULTURAL SCIENCES

Medziphema Campus, Medziphema - 797106 : Nagaland

PROSPECTUS

2025-2026

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Medziphema Campus, Medziphema - 797106 : Nagaland

Visitor	: Smti. Droupadi Murmu Hon'ble President of India
Chief Rector	: Shri. La Ganesan Hon'ble Governor of Nagaland
Chancellor	: Dr. Samudra Gupta Kashyap
Vice-Chancellor	: Prof. Jagadish K Patnaik
Pro-Vice Chancellor	: Prof. Dipak Sinha
Dean	: Prof. L. Daiho

From the Pro Vice- Chancellor's Desk

It is a pleasure to present the Prospectus of the School of Agricultural Sciences (SAS), Medziphema. The document outlines the academic programs, admission procedures, and institutional framework of the School.

The School has been contributing to the development of human resources in the field of agriculture at the state, regional, and national levels. It continues to play a significant role in promoting research, supporting extension activities, and collaborating on various state and central government schemes and projects.

From the current academic session, the School is implementing the National Education Policy (NEP) in its undergraduate program. This includes provisions for multiple entry and exit options, multidisciplinary courses, skill enhancement components, and value-added programs. Students will also have access to MOOC platforms for pursuing courses of individual interest. These academic reforms are aimed at aligning the curriculum with contemporary requirements and industry standards in the agriculture and allied sectors.

Also happy to inform that the Department of Rural Development and Planning (RDP), located within the SAS campus, will also offer relevant courses as part of this academic framework.

Prospective students, parents, and stakeholders are encouraged to review the Prospectus to gain an understanding of the academic and professional opportunities available at the School.

Acknowledgment is due to the team involved in the compilation and editing of the Prospectus for their efforts in preparing this document for the benefit of interested candidates.

With warm regards

Prof. Dipak Sinha
Pro Vice Chancellor
SAS, NU

From the Dean's Desk

It is with great pleasure and pride that the School of Agricultural Sciences (SAS), Nagaland University, Medziphema Campus, is bringing out the updated Prospectus for the new Academic Session 2025-2026. It is through this Prospectus that we share the various Degree Programmes the School offer in details to the desiring students.

The School of Agricultural Sciences is considered a Mini India, that students from various parts of India come and pursue their further study here. The environment is peaceful and conducive for studies. Every year, we admit new batch of students to various degree programmes like B.Sc.(Hons.) Ag. of 4-years degree course, M.Sc.(Ag) 2 years degree course and Ph.D. of minimum 3 years degree courses. The latest new department added to the School during 2023 being the Department of Vocational Studies and Skill Development (VSSD) which is three years degree course.

Every year, the School produces well refined under Graduates, Post-Graduates and Ph.D. degree holders from various disciplines. One of the prides of the School is the Alumni members who are well placed in society as political leaders, bureaucrats, top technical officials of Agri and Allied departments at states and national levels, professionals, secretariats entrepreneurs and leaders in private companies in different states of the country and at global level.

I gratefully acknowledge the hard work put in by the Committee in making the updated version beautiful and attractive and informative.

I wish the School of Agricultural Sciences all the very best!

Prof. L. Daiho
Dean

About Us

NAGALAND UNIVERSITY

Nagaland University (a Central University) was established in 1994 through an act passed by the parliament vide No. 35 in 1989 with its Headquarters at Lumami, Zunheboto district. Besides, it has two other campuses, i.e., Kohima Campus at Meriema and Medziphema Campus with School of Agricultural Sciences (SAS). Currently there are Six Schools and Forty Three Departments.

SCHOOL OF AGRICULTURAL SCIENCES, MEDZIPHEMA CAMPUS

The School of Agricultural Sciences(SAS) is a premier institute in the field of Agriculture in North Eastern Hill Region of India. It is one of the Six Schools of Nagaland University and located at Medziphema in the foothills of the Pauna range under Chümoukedima District. The Campus is 45 kms from Kohima (Capital of Nagaland) and 32 kms away from Dimapur, a commercial hub of Nagaland which is well connected with road, rail and air to other parts of India.

The School was established as College of Agriculture under the erstwhile North Eastern Hill University (NEHU) on 20th October, 1978, offering only Bachelors degree in Agriculture, which was later upgraded to School of Agricultural Sciences and Rural Development(SASRD) in 1985 with the initiation of post graduate degree programmes in various disciplines of Agriculture. The School became an integral part of Nagaland University in 1994. The name of the school has now been changed to School of Agricultural Sciences (SAS) since January, 2023 as per NU ordinance.

CLIMATE

The climate of Medziphema is pleasant all year round. The winter lasts for about four months viz., November to February while summer starts by March/April. Heavy rainfall occurs between June- August.

OBJECTIVES

The School works in line to fulfil the mission of the University by focusing on the following objectives:-

- To disseminate advanced knowledge through teaching, research and extension in the field of agricultural sciences and allied disciplines.
- To develop skill oriented vocational courses for self employment in agriculture and allied sectors.
- To take appropriate measures for promoting innovations in teaching-learning process and research in order to educate and equip human resources in the field of agriculture & allied sectors.
- To provide technical knowledge through hands-on training and field demonstrations to the farming community.
- To promote sustainable agriculture for the hill region.

Medium of Instruction and communication is strictly in English.

ACADEMIC DEPARTMENTS

- Agricultural Economics
- Agricultural Engineering
- Agricultural Extension Education
- Agronomy
- Entomology
- Genetics and Plant Breeding
- Horticulture
- Livestock Production and Management
- Plant Pathology
- Soil Science
- Soil and Water Conservation
- Vocational Studies and Skill Development

INTERNATIONAL STUDENTS (NRI & Non-NRI)

Guidelines for Admission, Eligibility Criteria, Role of the University,Declaration and Application forms are available on the Nagaland University website (*http://www.nagalanduniversity.ac.in*) and with the respective Education Ministry/Embassy of the sponsoring country.

RESERVATION POLICY

Reservation in courses offered by Nagaland University shall be as per the laid down norms/rules of GOI and Nagaland University.

ACADEMIC PROGRAMMES AND STUDENTS INTAKE:

The School offers academic programmes based on ICAR course credit system for various degree programmes in line with NEP 2020

B.Sc.(Hons.)Agriculture Programme

B.Sc. (Hons.) Ag. Degree Programme

The School offers B.Sc. (Hons.) Agriculture 4 Years (8 semesters) course degree programme as per ICAR **6th DEAN's committee recommendations** covering a total of 177 credit hours including Deeksharambh (Induction cum Foundation course, 2 weeks (NG) Non-gradial; STUDENT READY Programme comprising of Rural Awareness Work Experience Programme (RAWEP), Agricultural Industrial attachment (AIA), Experiential Learning Programme (ELP). Students should complete compulsory online courses (10 Credits).

SELECTION AND ADMISSION

The total intake capacity in each Academic session is 74 students with distribution of seats in respective quota as follows:

ICAR	**:**	**20%***	**Mizoram**	**:**	**04**
Meghalaya	**:**	**04**	**Arunachal Pradesh**	**:**	**04**
Tripura	**:**	**04**	**University Quota**	**:**	**07**
Assam	**:**	**01**	**High Fee Category**	**:**	**05**
Nagaland	**:**	**32**			

***20% seats shall be filled through ICAR quota under CUET**

Each State/Organisation will select their own candidates as per National reservation policy.

ELIGIBILITY:10+2 Science with Physics, Chemistry, Biology (PCB)/Physics, Chemistry, Mathematics (PCM) or Intermediate of Science [I.SC.(Agri.)] With Physics, Chemistry, Biology (PCB) with 50% marks for general candidate and 45% for SC/ST/OBC (NCL)/PwD category in aggregate.

ICAR QUOTA: The candidates shall be admitted as per nomination received from ICAR following the eligibility criteria of SAS, NU.

STATE QUOTA

Nomination of candidates for admission under State Quota is made as per the selection of candidates through their respective state Government's Entrance Examinations procedure. On receipt of the list of nominated candidates from respective State Government, admission formalities are completed by the school as per eligibility criteria.

UNIVERSITY QUOTA

University quota is meant for children (sons/daughters) and spouse of Nagaland University employees. Candidates desirous to seek admission under the quota should submit their application to the DEAN, SAS, Medziphema campus with all required documents. Selection is done purely on merit basis.

HIGH FEE CATEGORY

Under the High Fee Category, selection will be based strictly on entrance examination. The entrance examination is to be conducted by the school.

PHYSICAL FITNESS

Admission shall be subject to the candidates producing medical fitness certificate obtained from the University. A Medical Board will be constituted for this purpose by the School authority. Person with disabilities(PwD) having low vision or hearing impairment with at least 40% disability are required to produce medical certificate from Govt. Medical Officer certifying the nature and extent of the disability which will be further verified by the university officials.

PAYMENT OF FEES

The candidates selected for admission has to apply and pay online for the seat along with all necessary documents including respective quota nomination letter or family declaration in case of University Quota in the application form available on the Nagaland University website.

REGISTRATION IN VARIOUS COURSES

Physical presence of the candidate is mandatory for course registration. Every student has to fill up prescribed course registration forms (5 copies) and the duly filled in course registration forms, completed in all aspects must be submitted to respective sections/authorized persons within seven (7) days failing which, the candidate will not be allowed to sit for any exams.

ORIENTATION

Every student has to attend the orientation class compulsorily on specified date(s) as announced by the school authority.

COURSE DURATION AND STRUCTURE

Duration of course : 4 years (8 semesters)
Total Credits Hours : 177
Course Credits Hours : 147
Student READY Programme Credit Hours : 20
(RAWE/Industrial Attachment/Experiential Learning/Internship)
Online Courses : 10 Credits

EVALUATION:

The performance of the student in a particular course is evaluated and expressed in 10 point grading scale as stated below-

Marks (%)	Point/Grade
100	10
99	9.9
98	9.8
75	7.5
50	5.0 (Minimum pass mark in a course)

The performance of a student in the examination is finally calculated on the basis of Overall Grade Point Average (OGPA) on 10 point grading scale as

OGPA	Division
>=8	1st Division and Distinction
7 to <8	1st Division
6 to <7	2nd Division
5 to <6	Pass

Following are new introductions as per ICAR 6th DEANs Committee Recommendation in line with NEP 2020.

1. Deeksharambh(Induction cum foundation course)

A Non-Gradial course (0+2) will be offered at the start of the 1st semester for a duration of 10 days. There will sessions by alumni, business leaders, outstanding achievers in related fields, people with inspiring life experiences as well as the university academic and research managers.

2. Skill Enhancement courses

Choice based skill enhancement courses (2 credits for each course) will be offered to impart skills in Agriculture and allied technologies to the students.

Following are the skill enhancement courses to be offered.

1. Biofertilizer and biopesticide production: Plant Pathology
2. Production technology of bioagents: Plant Pathology
3. Mushroom production technology: Plant Pathology
4. Soil, plant and water testing: Soil Science
5. Post harvest processing technology: Agricultural Engineering
6. Beneficial insect farming: Entomology
7. Poultry production technology: Livestock Production and Management
8. Piggery production technology: Livestock Production and Management
9. Commercial horticulture: Horticulture
10. Floriculture and landscaping: Horticulture
11. Food processing: Agricultural Engineering
12. Agricultural waste management: Agricultural Engineering
13. Video production: Agricultural Extension Education

3. Online courses

The students will have to take a minimum of 10 credits of online courses from any field such as Basic Sciences, Humanities, Psychology, Anthropology, Economics, Engineering, Business Management, Languages including Foreign language, Communication skills, Music etc. and can be taken from NPTEL, mooKIT,edX,Coursera, SWAYAM or any other portal.

4. Internship

The students have to undergo 10 weeks(10 credits) of internship who wish to exit with UG certificate after one year. Similarly the student who is to exit with UG diploma after 2nd year has to undergo 10 weeks of internship program(10 credits) after 2nd year.

5. Study Tour

There will be study tour (0+2, non-gradial) of 10-14 days duration during the 5th semester of UG program.

Courses offered as per ICAR 6th Dean's Committee Recommendations (In line with NEP 2020)

1st Semester			
Sl.No.	Course Title	Credit Hours	Total Credit Hours
1	Deeksharambh (Induction cum Foundation course)	2 weeks (NG) Non-gradial	21
2	Skill Enhancement course-I	2(0+2)	
3	Skill Enhancement course – II	2(0+2)	
4	Communication Skills	2(1+1)	
5	Farming based livelihood systems	3(2+1)	
6	Rural Sociology and Educational Psychology	2(2+0)	
7	Fundamentals of Agronomy	3(2+1)	
8	Fundamentals of Soil Science	3(2+1)	
9	Fundamentals of Horticulture	3(2+1)	
10	National Service Scheme (NSS –I) National Cadet Corps (NCC-I)	1(0+1)	
11	Introductory mathematics (need based)	1(1+0) Non gradial	

2nd Semester			
Sl.No.	Course Title	Credit Hours	Total Credit Hours
1	Skill Enhancement course -III	2(0+2)	21
2	Skill Enhancement course – IV	2(0+2)	
3	Personality Development	2(1+1)	
4	Environmental Studies and Disaster Management	3(2+1)	
5	Soil Fertility Management	3(2+1)	
6	Fundamentals of Entomology	3(2+1)	
7	Livestock and Poultry Management	2(1+1)	
8	Fundamentals of Plant Pathology	3(2+1)	
9	NCC – II / NSS – II	1(0+1)	

3rd Semester			
Sl.No.	Course Title	Credit Hours	Total Credit Hours
1	Skill Enhancement course - V	2(0+2)	21
2	Entrepreneurship Development and Business Communication	3(2+1)	
3	Physical Education, First Aid, Yoga Practices and Meditation	2(0+2)	
4	Principles of Genetics	3(2+1)	
5	Crop Production Technology – I (*Kharif* crops)	3(1+2)	
6	Production Technology of Fruit and Plantation Crops	2(1+1)	
7	Fundamentals of Extension Education	2(1+1)	
8	Fundamentals of Nematology	2(1+1)	
9	Principles and Practices of Natural Farming	2(1+1)	

4th Semester			
Sl.No.	Course Title	Credit Hours	Total Credit Hours
1	Skill Enhancement course- VI	2(0+2)	21
2	Agricultural Informatics and Artificial Intelligence	3(2+1)	
3	Production Technology of Vegetables and Spices	2(1+1)	
4	Principles of Agricultural Economics and Farm Management	2(2+0)	
5	Crop Production Technology – II (*Rabi* Crops)	3(1+2)	
6	Farm Machinery and Power	2(1+1)	
7	Water Management	2(1+1)	
8	Problematic Soils and their Management	2(1+1)	
9	Basics of Plant Breeding	3(2+1)	

5th Semester			
Sl.No.	Course Title	Credit Hours	Total Credit Hours
1	Agricultural Marketing and Trade	3(2+1)	22
2	Introduction to Agro-meteorology	2(1+1)	
3	Fundamentals of Crop Physiology	3(2+1)	
4	Pest management in Crops and stored Grains	3(2+1)	
5	Diseases of Field & Horticultural Crops & their Management	3(2+1)	
6	Crop Improvement (*Kharif* crops) – I	2(1+1)	
7	Weed Management	2(1+1)	
8	Ornamental Crops, MAPs and Landscaping	2(1+1)	
9	Introductory Agro forestry	2(1+1)	

6th Semester			
Sl.No.	Course Title	Credit Hours	Total Credit Hours
1	Fundamentals of Agri Biotechnology	3(2+1)	21
2	Basic and Applied Agril. Statistics	3(2+1)	
3	Crop Improvement (*Rabi* crops) – II	2(1+1)	
4	Renewable energy in Agriculture and Allied sector	2(1+1)	
5	Dry land agriculture / Rainfed agriculture and watershed management	2(1+1)	
6	Agricultural Microbiology and Phyto-remediation	2(1+1)	
7	Agricultural Finance & Co-operation	2(1+1)	
8	Essentials of Plant Biochemistry	3(2+1)	
9	Fundamentals of Seed Science & Technology	2(1+1)	

7th Semester			
Sl.No.	Course Title	Credit Hours	Total Credit Hours
1	5 Elective courses (major or minor) each of 4 (3+1) credits for B.Sc. (Hons.) Agriculture degree		20 (15+5)

8th Semester			
Sl.No.	Course Title	Credit Hours	Total Credit Hours
1	Student READY: RAWE/Industrial Attachment/Experiential Learning/Internship		20
		Total	**167**
	*Online courses	10	**10**

B.Voc/M.Voc Programme

ADMISSION IN THE DEPARTMENT OF VOCATIONAL STUDIES AND SKILL DEVELOPMENT (VSSD)

- **B.Voc**
- **M.Voc**
- **Diploma etc**

The School also offers B.Voc of 3 years (6 Semester) course degree programme covering a total of 180 credit hours(60% Skill Component and 40% General Education) including Internship at different level of programme i.e Diploma, Advance Diploma & Degree Programme.

ELIGIBILITY

B.Voc. in Horticulture Technology : 10+2 (Any Stream) with min 50%Marks for GEN and 45%Marks for (SC/ST/OBC(NCL)). However, preference will be given to 10+2 Science.

B.Voc. in Food Processing : 10+2 (Any Stream) with min 50%Marks for GEN and 45%Marks for (SC/ST/OBC(NCL)). However, preference will be given to 10+2 Science.

M.Voc : Any degree/graduate with 50% marks from any UGC/ICAR/AICTE recognized instiution/University. 5% relaxation will be applicable to SC/ST/OBC(NCL) candidates. However, Preference will be given to B.Voc graduate (any skill).

CREDIT REQUIREMENTS

For B.Voc (Horticulture Technology) and B.Voc. (Food Processing)

Duration of course : 3 years (6 semesters)
Total Credits Hours : 180 a) General Education - 40%
b) Skill Component - 60%

For M.Voc (Entrepreneurship)

Duration of course : 2 years (4 semesters)
Total Credits Hours : 120 a) General Education - 40%
b) Skill Component - 60%

INTAKE CAPACITY

B.Voc in Horticultural Technology : 30
B.Voc in Food Processing : 30
M.Voc in Entrepreneurship : 30

DETAILS COURSE STRUCTURE:B. VOC. IN FOOD PROCESSING
DEPARTMENT OF VOCATIONAL STUDIES AND SKILL DEVELOPMENT, SAS, NU

1ST YEAR(SEMESTER-I)					
Paper code	**Titleofthepaper**	**Skill/General Education**	**Credits**		**TOTAL**
			Theory	**Practical**	
FPT101	Introduction of Unit Operations in Food Processing	GenEd.	4	0	4
FPT102	Food Science and Nutrition	GenEd.	4	0	4
VSSD103	Environmental Studies	GenEd.	2	0	2
VSSD104	Entrepreneurial Skill	GenEd.	2	1	3
VSSD105	Fundamentals of Information Technology	GenEd.	0	2	2
FPT106	Introduction to Food Microbiology	GenEd.	4	0	4
VSSD107	Communications kills and personality development	GenEd.	1	1	2
FPT108	Introduction to Food Quality Management	GenEd.	3	0	3
FPT110	Skill developmenton Food Product Processing, Preparation and Development	SkillEd.	0	6	6
	Total		20	10	**30**
SEMESTER-II					
FPT120	Skill development through Internship in Food Processing-I	SkillEd.	0	30	30
	Total		0	30	**30**
2ND YEAR(SEMESTER-III)					
FPT201	Food Processing Equipment	GenEd.	4	0	4
FPT202	Processing of Fruits and Vegetables	GenEd.	4	0	4
FPT203	Processing of Cereal Pulses and Oil Seed	GenEd.	4	0	4
FPT204	Dairy Technology	GenEd.	4	0	4
VSSD206	Business communication and management	GenEd.	3	1	4
FPT207	Basic Food Chemistry	GenEd.	2	0	2
FPT208	Values and Professional Ethics	GenEd.	2	0	2
FPT210	Skill development on Food Processing	SkillEd.	0	6	6
	Total		23	7	**30**
SEMESTER-IV					
FPT220	Skill development through internship in Food Processing-II	SkillEd.	0	30	30

3RD YEAR(SEMESTER-V)					
FPT301	Post-Harvest Management of Fruits and Vegetables	GenEd.	4	0	4
FPT302	Food Laws and Regulations	GenEd.	4	0	4
FPT303	Processing of Meat, Fish and Poultry	GenEd.	4	0	4
FPT304	Food Beverage Technology	GenEd.	4	0	4
FPT305	Introduction to Food Packaging, Storage and logistic	GenEd.	2	0	2
FPT306	Quality Assurance and Certification	GenEd.	2	0	2
FPT307	Bakery and Confectionery Products	GenEd.	2	0	2
VSSD308	Disaster management	GenEd.	2	0	2
FPT310	Skill development on Beverages and Processed Foods	SkillEd.	0	6	6
		Total	24	6	**30**
SEMESTER-VI					
FPT320	Skill development through Internship in Food Processing-III	SkillEd.	0	30	30
		Total	0	30	**30**
	TotalCredit Hours		67	113	**180**
		Total	0	30	**30**

DETAILS OF COURSE STRUCTURE: HORTICULTURE TECHNOLOGY

HORTICULTURE TECHNOLOGY						
SEMESTER	**PAPER CODE**	**TITLE**	**SKILL/ GENERAL EDUCATION**	**CREDITS**		**TOTAL**
				Theory	**Practical**	
I	HRT 101	Fundamental of Horticulture	Gen.edu.	3	1	**4**
	HRT 102	Propagation and Nursery Management Techniques of Horticultural Crops	Gen.edu.	3	1	**4**
	VSSD 103	Environmental Studies	Gen.edu.	2	0	**2**
	VSSD 104	Entrepreneurial Skill	Gen.edu.	2	1	**3**
	VSSD 105	Fundamentals of Information Technology	Gen.edu.	0	2	**2**
	HRT 106	Production Technology of Horticulture Crops	Gen.edu.	4	1	**5**
	VSSD 107	Communication Skills & Personality Development	Gen.edu.	1	1	**2**
	HRT 108	Micro- Propagation Techniques	Gen.edu.	2	1	**3**
	HRT 110	Practical's on Plant Propagation & Nursery Management Techniques	Skill edu.	0	5	**5**
		Total		**17**	**13**	**30**
II	HRT 120	Internship in Plant Propagation & Nursery Management Techniques	Skill edu.	0	30	**30**
III	HRT 201	Basic Principles & Practices of Green House Production of Horticulture Crops	Gen.edu.	2	1	**3**
	HRT 202	Prospects & Principles of Protected Horticulture	Gen.edu.	2	1	**3**
	HRT 203	Types & Designs of Green House	Gen.edu.	2	1	**3**
	HRT 204	Substrate, Nutrients & Micro-irrigation in Protected Cultivation	Gen.edu.	3	1	**4**
	HRT 205	IPM in Protected Production System	Gen.edu.	2	0	**2**
	VSSD 206	Business Communication and Management	Gen.edu.	3	1	**4**
	HRT 207	Micro-irrigation & Fertigation Technology	Gen.edu.	2	1	**3**
	HRT 208	Fundamentals of Organic Agriculture	Gen.edu.	2	0	**2**
	HRT 210	Practical's on Protected CultivationSkill	edu.	0	6	**6**
		Total		**18**	**12**	**30**
IV	HRT 220	Internship in Protected Cultivation	Skill edu.	0	30	**30**

V	HRT 301	Horticulture Crop Marketing	Gen.edu.	3	1	**4**
	HRT 302	Hydroponic systems	Gen.edu.	3	0	**3**
	HRT 303	Introduction of Hydroponics	Gen.edu.	3	1	**4**
	HRT 304	Nutrient & Water Management in Hydroponics	Gen.edu.	3	1	**4**
	HRT 305	Green House Operation & Management	Gen.edu.	3	0	**3**
	HRT 306	Hydroponics in Vegetable Production	Gen.edu.	2	0	**2**
	HRT 307	Hydroponics in Flower Production	Gen.edu.	2	0	**2**
	VSSD 308	Disaster Management	Gen.edu.	2	0	**2**
	HRT 310	Practical's on Hydroponics	Skill edu.	0	6	**6**
		Total		**21**	**9**	**30**
VI	HRT 320	Internship in Hydroponics	Skill edu.	0	30	**30**
		Total Credit Hrs (180)		**56**	**17+17+90**	**180**

M.VOC. IN ENTREPRENEURSHIP

SEMESTER - I

Sl. No	COURSE CODE	TITLE	SKILL/GENERAL EDUCATION	CREDITS			TOTAL CREDIT
				L	T	P	
1	EDP-501	Introduction to entrepreneurship	Gen Ed.	3	1	0	4
2	EDP-502	Entrepreneurial selling	Gen Ed.	3	1	0	4
3	EDP-503	Business communication	Gen Ed.	3	1	0	4
4	EDP-504	Startup ecosystem and regulation	Gen Ed.	3	1	0	4
5	EDP-505	Accounting and financial management	Gen Ed.	3	0	0	3
6	EDP-506	Marketing strategy and research	Gen Ed.	3	0	0	3
7	EDP-507	Human value and professional ethics	Gen Ed.	2	0	0	2
8	EDP-508	Presentation skills	Skill	0	0	6	6
			Total	**20**	**4**	**6**	**30**

SEMESTER - II

Sl. No	COURSE CODE	TITLE	SKILL/GENERAL EDUCATION	CREDITS			TOTAL CREDIT
				L	T	P	
1	EDP-510	Internship –i (attachment to agro industries/ business houses)	Skill	0	0	30	30
			Total	**20**	**4**	**36**	**60**

SEMESTER - III

Sl. No	COURSE CODE	TITLE	SKILL/GENERAL EDUCATION	CREDITS			TOTAL CREDIT
				L	T	P	
1	EDP-511	Entrepreneurial strategy	Gen Ed.	3	1	0	4
2	EDP-512	Entrepreneurial venture development	Gen Ed.	3	1	0	4
3	EDP-513	Digital marketing and it	Gen Ed.	3	1	0	4
4	EDP-514	Operations management	Gen Ed.	3	1	0	4
5	EDP-515	Building business model	Gen Ed.	3	0	0	2
6	EDP-516	Project management	Gen Ed.	3	0	0	3
7	EDP-517	Innovative leadership management	Gen Ed.	3	0	0	3
8	EDP-518	Research on product and process	Skill	0	0	6	6
			Total	**20**	**4**	**0**	**30**

SEMESTER - IV

Sl. No	COURSE CODE	TITLE	SKILL/GENERAL EDUCATION	CREDITS			TOTAL CREDIT
				L	T	P	
1	EDP-519	Incubation of business idea	Skill	0	0	30	30
			Total	**20**	**4**	**36**	**60**

	L	T	P	TOTAL
G. TOTAL	**40**	**8**	**72**	**120**

M.Sc. (Ag.) Programme

M.Sc. (Ag.) DEGREE PROGRAMMES:

The admission to the M.Sc. (Ag.) programme is offered in the following disciplines:

- Agricultural Economics
- Agricultural Extension Education
- Agronomy
- Entomology
- Genetics and Plant Breeding
- Livestock Production and Management
- Plant Pathology
- Soil Science
- Soil and Water Conservation
- Horticulture (Vegetable Science)
- Horticulture (Fruit Science)
- Horticulture (Floriculture and Landscaping)
- Horticulture (Plantation, Spices, Medicinal and Aromatic Crops)

DURATION

The programme is of minimum 2 years (4 semesters) and a maximum of 5 years (10 semesters) duration.

ELIGIBILITY

For M.Sc(Ag.)

Passed B.Sc.(Agri)/ B.Sc. (Horti.) or / B.Sc. (Hons.) In Agriculture/ Horticulture from any university recognized by NU with OGPA 6.50 or equivalent for General, 6.0 or equivalent for SC/ST/OBC (NCL) candidates.

** Candidates with B.Sc. (Hort.) are eligible for admission in all M.Sc. (Ag.) Programme. (except **Agronomy & Livestock Production & Management**)*

However, they have to complete the deficiency courses as decided by concerned department.

Grading System	General Candidate	SC/ST/OBC(NCL) Candidate
10	6.5	6
5	3.25	3
4	2.6	2.4

INTAKE CAPACITY FOR ADMISSION IN M.Sc.(Ag.) PROGRAM

For admission in M.Sc.(Ag.) Program, 30% seats shall be filled through ICAR quota, 40 % through university entrance exam and 30% through valid CUET score. Seats remaining vacant under CUET shall also be filled through NU admission process. The maximum intake capacity in each discipline is given below**(Authority may increase or decrease the intake capacity based on resources and infrastructure availability)-**

Sl.No	Department	Total
1	Agricultural Economics	12
2	Agricultural Extension Education	12
3	Agronomy	12
4	Entomology	12
5	Genetics and Plant Breeding	12
6	Horticulture	20
7	Livestock Production and Management	12
8	Plant Pathology	12
9	Soil Sciences	12
10	Soil and Water Conservation	12
	Total	**128**

SELECTION AND ADMISSION

The candidates will be required to apply online along with all necessary documents in the application form available on the Nagaland University website(www.nagalanduniversity.ac.in). An Entrance Examination will be conducted after which the selected candidates will appear for counselling on the stipulated date announced by the school. In case where percentage of marks equivalent to OGPA is not given on the transcript, the candidate will have to submit a certificate from the concerned Principal/Dean/Registrar of the College/School/University last attended indicating clearly the percentage of marks obtained. **Candidates will need to bring their original certificate for verification during counselling/admission.**

Note: Counselling for Admission does not guarantee a seat in Master Degree programme in agriculture.

PHYSICAL FITNESS

Admission shall be subject to the candidates producing medical fitness certificate obtained from the University. A Medical Board will be constituted for this purpose by the School authority. Person with benchmark disabilities(PwBD) having low vision or hearing impairment with at least 40% disability are required to produce medical certificate from Govt. Medical Officer certifying the nature and extent of the disability which will be further verified by the university officials.

PAYMENT OF FEES: To be online as per Annexure - 1

REGISTRATION IN VARIOUS DISCIPLINES:

Physical presence of the candidate is mandatory for registration. Every candidate has to fill the registration form (5 copies) with prescribed courses and the duly filled in course registration forms, completed in all respect must be submitted to respective sections within fifteen (15) days from the date of admission, failing which the admission will be cancelled.

ORIENTATION

Every student has to attend orientation class compulsorily.

CREDIT REQUIREMENTS FOR MASTERS' PROGRAMMES

Duration of course	: 2 years (4 semesters)
Total credits	: 70 (40 + 30)
Major Course Credit Hours	: 20
Minor Course credit Hours	: 08
Supporting Courses credit Hours	: 06
Seminar credit hours	: 01
Research credit Hours	: 30
Common Courses	: 05

EXAMINATION AND EVALUATION

Semester system with internal/external evaluation is currently in practice. Examination comprises of Quizzes/Assignments, Mid-Term, Practical and End-Term examination.

The performance of the student in a particular course is evaluated and expressed in 10 point grading scale as stated below-

Marks (%)	Point/Grade
100	**10**
99	**9.9**
98	**9.8**
75	**7.5**
60	**6.0 (Minimum pass mark in a course)**

The performance of a student in the examination is finally calculated on the basis of overall Grade Point Average (OGPA) on 10 point grading scale.

OGPA	**Division**
7.50 OGPA and above	: 1st Division.
6.50 OGPA and below 7.50 OGPA	: 2nd Division.
Below 6.50 OGPA	: Fail

M.Sc. (Ag.)

Common Course (05 Credits)			
Sl. No.	**Course Code**	**Course Title**	**Credit Hours**
1	PGS-501	Library and information services	1(0+1)
2	PGS-502	Technical writing and communication	1(0+1)
3	PGS-503	Intellectual property and its management in agriculture	1(1+0)
4	PGS-504	Basic concepts in laboratory techniques	1(0+1)
5	PGS-505	Agricultural research, research ethics	1(1+0)

M.Sc. (Ag.) in Agricultural Economics			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	AEC-501*	Micro economic theory and applications	3 (3+0)
2	AEC-502*	Agricultural production economics	2 (1+1)
3	AEC-503*	Agricultural marketing and price analysis	3 (2+1)
4	AEC-504*	Macro economics and policy	2 (2+0)
5	AEC-505*	Econometrics	3 (2+1)
6	AEC-506	Agricultural development and policy analysis	2 (2+0)
7	AEC-507*	Agricultural finance and project management	3 (2+1)
8	AEC-508*	Linear programming	2 (1+1)
9	AEC-509*	Research methodology for social sciences	2(1+1)
10	AEC-510	Indian economy: history and contemporary issues	2 (2+0)
11	AEC-511	International economics	2(1+1)
12	AEC-512	Institutional economics	1(1+0)
13	AEC-513	Natural resource and environmental economics	2(1+1)
14	AEC-514	Commodity future trading	2(2+0)
15	AEC-515	Development economics	2 (2+0)
16	AEC-516	Rural marketing	2(2+0)
17	AEC-517	Evolution of economic thought	1(1+0)
18	AEC-518	Computer applications for agri-business and economics	3(2+1)
19	AEC-519	Statistical methods for applied/socialsciences	3(2+1)
20	AEC-520	Mathematics for applied sciences/agricultural economics	3(2+1)
21	AEC-591	Master's seminar	1(0+1)
22	AEC-599	Master's research	30(0+30)

**Compulsory among major courses*

M.Sc. (Ag.) in Agricultural Extension Education			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	EXT-501*	Extension landscape	2(2+0)
2	EXT-502*	Applied behaviour change	3(2+1)
3	EXT-503*	Organisational behaviour and development	3(2+1)
4	EXT-504*	Research methodology in extension	3(2+1)
5	EXT-505*	Capacity development	3(2+1)
6	EXT-506*	ICTs for agricultural extension and advisory services	3(2+1)
7	EXT-507*	Evaluation and impact assessment	3(2+1)
8	EXT-508	Managing extension organisations	3(2+1)
9	EXT-509	Enabling innovation	2(1+1)
10	EXT-510	Gender mainstreaming	3(2+1)
11	EXT-591	Master's seminar	1(0+1)
12	EXT-599	Master's research	30(0+30)

**Compulsory among major courses*

M.Sc. (Ag.) in Agronomy			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	AGRON-501*	Modern concepts in crop production	3(3+0)
2	AGRON-502*	Principles and practices of soil fertility and nutrient management	3(2+1)
3	AGRON-503*	Principles and practices of weed management	3(2+1)
4	AGRON-504*	Principles and practices of water management	3(2+1)
5	AGRON-505	Conservation agriculture	2(1+1)
6	AGRON-506	Agronomy of major cereals and pulses	2(2+0)
7	AGRON-507	Agronomy of oilseed, fibre and sugar crops	3(2+1)
8	AGRON-508	Agronomy of medicinal, aromatic & underutilized crops	3(2+1)
9	AGRON-509	Agronomy of fodder and forage crops	3(2+1)
10	AGRON-510	Agrostology and agro- forestry	3(2+1)
11	AGRON-511	Cropping system and sustainable agriculture	2(2+0)
12	AGRON-512	Dryland farming and watershed management	3(2+1)
13	AGRON-513	Principles and practices of organic farming	3(2+1)
14	AGRON-591	Master's seminar	1(0+1)
15	AGRON-599	Master's research	30(0+30)

**Compulsory among major courses*

M.Sc. (Ag.) in Entomology			
Sl. No.	**Course Code**	**Course Title**	**Credit Hours**
1	ENT-501*	Insect morphology	3 (2+1)
2	ENT-502*	Insect anatomy and physiology	3 (2+1)
3	ENT-503*	Insect taxonomy	3 (1+2)
4	ENT-504*	Insect ecology	3 (2+1)
5	ENT-505*	Biological control of insect pests and weeds	3 (2+1)
6	ENT-506*	Toxicology of insecticides	3 (2+1)
7	ENT-507	Host plant resistance	2 (1+1)
8	ENT-508*	Concepts of integrated pest management	2 (2+0)
9	ENT-509*	Pests of field crops	3 (2+1)
10	ENT-510*	Pests of horticultural and plantation crops	3 (2+1)
11	ENT-511	Post harvest entomology	2 (1+1)
12	ENT-512	Insect vectors of plant pathogens	2 (1+1)
13	ENT-513	Principles of acarology	2 (1+1)
14	ENT-514	Vertebrate pest management	2 (1+1)
15	ENT-515	Techniques in plant protection	1 (0+1)
16	ENT-516	Apiculture	3 (2+1)
17	ENT-517	Sericulture	3 (2+1)
18	ENT-518	Lac culture	3 (2+1)
19	ENT-519	Molecular approaches in entomology	3 (2+1)
20	ENT-520	Plant quarantine, biosafety and biosecurity	2 (2+0)
21	ENT-521	Edible and therapeutic insects	2 (1+1)
22	ENT-522	Medical and veterinary entomology	2 (1+1)
23	ENT-523	Forest entomology	2 (1+1)
24	ENT-591	Master's seminar	1 (0+1)
25	ENT-599	Master's research	30 (0+30)

**Compulsory among major courses*

Note : Students will take anyone (ENT-509 and ENT-510) depending on their research topic.*

M.Sc. (Ag.) in Genetics and Plant Breeding			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	GPB-501*	Principles of genetics	3 (2+1)
2	GPB-502*	Principles of plant breeding	3 (2+1)
3	GPB-503*	Fundamentals of quantitative genetics	3 (2+1)
4	GPB-504	Varietal development and maintenance breeding	2 (1+1)
5	GPB-505	Principles of cytogenetics	3 (2+1)
6	GPB-506*	Molecular breeding and bioinformatics	3 (2+1)
7	GPB-507	Breeding for quality and special traits	3 (2+1)
8	GPB-508	Mutagenesis and mutation breeding	3 (2+1)

9	GPB-509	Hybrid breeding	3 (2+1)
10	GPB-510	Seed production and certification	2 (1+1)
11	GPB-511	Crop breeding-i *(kharif* crops)	3 (2+1)
12	GPB-512	Crop breeding-ii *(rabi* crops)	3 (2+1)
13	GPB-513	Breeding vegetable crops	3 (2+1)
14	GPB-514	Breeding fruit crops	3 (2+1)
15	GPB-515	Breeding ornamental crops	3 (2+1)
16	GPB-516	Breeding for stress resistance and climate change	3 (2+1)
17	GPB-517	Germplasm characterization and evaluation	2 (1+1)
18	GPB-518	Genetic enhancement for PGR utilization	2 (1+1)
19	GPB-591	Master's seminar	1(0+1)
20	GPB-599	Master's research	30(0+30)

**Compulsory among major courses*

M.Sc. (Ag.) in Livestock Production and Management			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	LPM-501*	Cattle and buffalo production management	3(2+1)
2	LPM-502*	Sheep and goat production management	3(2+1)
3	LPM-503*	Swine production management	2(1+1)
4	LPM-504*	Laboratory animal production management	2(1+1)
5	LPM-505	Behaviour and welfare of farm animals	2(1+1)
6	LPM-506*	Farm hygiene and waste management	2(1+1)
7	LPM-507*	Poultry farm and hatchery management	2(1+1)
8	LPM-508*	Climatology and livestock production	2(1+1)
9	LPM-509	Integrated livestock farming systems	2(1+1)
10	LPM-510	Principles of animal nutrition	3(2+1)
11	LPM-511	Livestock farm machinery management	2(0+2)
12	LPM-512	Principles of animal genetics and breeding	3(2+1)
13	LPM-591	Master's seminar	1(0+1)
14	LPM-599	Master's research	30(0+30)

**Compulsory among major courses*

M.Sc. (Ag.) in Plant Pathology			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	PLPATH-501*	Mycology	3(2+1)
2	PLPATH-502*	Plant virology	3(2+1)
3	PLPATH-503*	Plant pathogenic prokaryotes	3(2+1)
4	PLPATH-504*	Plant nematology	3(2+1)
5	PLPATH-505*	Principles of plant pathology	3(2+1)
6	PLPATH-506*	Techniques in detection and diagnosis of plant diseases	2(0+2)
7	PLPATH-507	Principles of plant disease management	3(2+1)

8	PLPATH-508	Epidemiology and forecasting of plant diseases	1(1+0)
9	PLPATH-509	Disease resistance in plants	2(2+0)
10	PLPATH-510	Ecology of soil-borne plant pathogens	2(1+1)
11	PLPATH-511	Chemicals and botanicals in plant disease management	3(2+1)
12	PLPATH-512	Detection and management of seed borne pathogens	3(2+1)
13	PLPATH-513	Biological control of plant diseases	2(1+1)
14	PLPATH-514	Integrated disease management	3(2+1)
15	PLPATH-515	Diseases of field and medicinal crops	3(2+1)
16	PLPATH-516	Diseases of fruits, plantation and ornamental crops	3(2+1)
17	PLPATH-517	Diseases of vegetable and spices crops	3(2+1)
18	PLPATH-518	Post harvest diseases	3(2+1)
19	PLPATH-519	Plant quarantine and regulatory measures	1(1+0)
20	PLPATH-591	Master's seminar	1(0+1)
21	PLPATH-599	Master's research	30(0+30)

**Compulsory among major courses*

M.Sc. (Ag.) in Horticulture –Fruit Science			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	FSC-501*	Tropical fruit production	3(2+1)
2	FSC-502*	Sub-tropical and temperate fruit production	3(2+1)
3	FSC-503*	Propagation and nursery management of fruit crops	3(2+1)
4	FSC-504*	Breeding of fruit crops	2+1
5	FSC-505	Systematics of fruit crops	2+1
6	FSC-506	Canopy management in fruit crops	1+1
7	FSC-507	Growth and development of fruit crops	2+1
8	FSC-508	Nutrition of fruit crops	2+1
9	FSC-509	Biotechnology of fruit crops	2+1
10	FSC-510	Organic fruit culture	2+1
11	FSC-511	Export oriented fruit production	2+1
12	FSC-512	Climate change and fruit crops	1+0
13	FSC-513	Minor fruit production	2+1
14	FSC-514	Post harvest management of fruit crops	3(2+1)
15	FSC-591	Master's seminar	1(0+1)
16	FSC-599	Master's research	30(0+30)

**Compulsory among major courses*

M.Sc. (Ag.) in Horticulture –Vegetable Science			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	VSC-501*	Production of cool season vegetable crops	3(2+1)
2	VSC-502*	Production of warm season vegetable crops	3(2+1)
3	VSC-503*	Growth and development of vegetable crops	3(2+1)

4	VSC-504*	Principles of vegetable breeding	3(3+0)
5	VSC-505	Breeding of self pollinated vegetable crops	3(2+1)
6	VSC-506	Breeding of cross pollinated vegetable crops	3(2+1)
7	VSC-507	Protected cultivation of vegetable crops	2(1+1)
8	VSC-508	Seed production of vegetable crops	3(2+1)
9	VSC-509	Production of underutilized vegetable crops	3(2+1)
10	VSC-510	Systematics of vegetable crops	2(1+1)
11	VSC-511	Organic vegetable production	2(1+1)
12	VSC-512	Production of spice crops	3(2+1)
13	VSC-513	Processing of vegetable	2(1+1)
14	VSC-514	Postharvest management of vegetable crops	3(2+1)
15	VSC-591	Master's seminar	1(0+1)
16	VSC-599	Master's research	30(0+30)

**Compulsory among major courses*

M.Sc. (Ag.) in Horticulture –Floriculture and Landscaping			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	FLS-501*	Systematics of ornamental plants	3(2+1)
2	FLS-502*	Breeding of ornamental plants	3(2+1)
3	FLS-503*	Commercial production of cut flowers	3(2+1)
4	FLS-504*	Commercial production of loose flowers	3(2+1)
5	FLS-505*	Ornamental gardening and landscaping	3(2+1)
6	FLS-506	Indoor plants and interiorscaping	2(1+1)
7	FLS-507	Nursery management in ornamental plants	3(2+1)
8	FLS-508	Turf grass management	3(2+1)
9	FLS-509	Value addition in floriculture	3(2+1)
10	FLS-510	Protected cultivation of flower crops	3(2+1)
11	FLS-511	Cad for landscaping	3(1+2)
12	FLS-512	Seed production in flower crops	2(1+1)
13	FLS-591	Master's seminar	1(0+1)
14	FLS-599	Master's research	30(0+30)

**Compulsory among major courses*

M.Sc. (Ag.) in Horticulture –Plantation, Spices, Medicinal and Aromatic crops			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	PSMA-501*	Production of plantation crops	3(2+1)
2	PSMA-502*	Production of spice crops	3(2+1)
3	PSMA-503*	Production of medicinal and aromatic crops	3(2+1)
4	PSMA-504*	Breeding of plantation and spice crops	3(2+1)
5	PSMA-505*	Breeding of medicinal and aromatic crops	2(1+1)
6	PSMA-506	Systematics of plantation and spice crops	2(1+1)

7	PSMA-507	Systematics of medicinal and aromatic crops	2(1+1)
8	PSMA-508	Underexploited plantation,spice, medicinal and aromatic plants	2(2+0)
9	PSMA-509	Growth and development of plantation,spice, medicinal and aromatic crops	3(2+1)
10	PSMA-510	Biochemistry of plantation, spice, medicinal and aromatic crops	3(2+1)
11	PSMA-511	Biodiversity and conservation of plantation, spice, medicinal and aromatic crops	3(2+1)
12	PSMA-591	Master's seminar	1(0+1)
13	PSMA-599	Master's research	30(0+30)

**Compulsory among major courses*

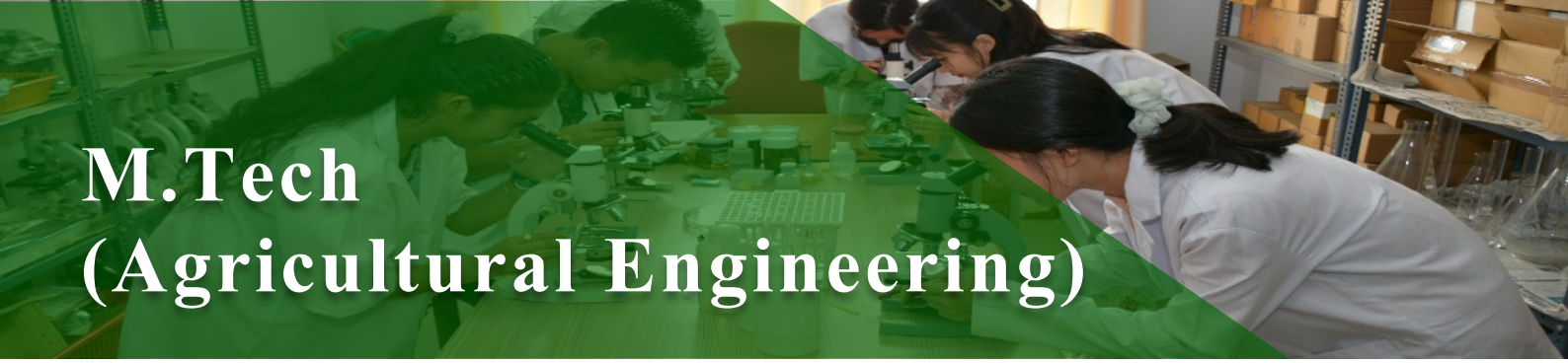
M.Sc. (Ag.) in Soil Science			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	SOIL-501*	Soil physics	3(2+1)
2	SOIL-502*	Soil fertility and fertilizer use	3(2+1)
3	SOIL-503*	Soil chemistry	3(2+1)
4	SOIL-504*	Soil mineralogy, genesis and classification	3(2+1)
5	SOIL-505	Soil erosion and conservation	3(2+1)
6	SOIL-506	Soil biology and biochemistry	3(2+1)
7	SOIL-507	Radioisotopes in soil and plant studies	2(1+1)
8	SOIL-508	Soil, water and air pollution	3(2+1)
9	SOIL-509	Remote sensing and GIS technique for soil and crop studies	3(2+1)
10	SOIL-510	Analytical technique and instrumental methods in soil and plant analysis	2(0+2)
11	SOIL-511	Management of problematic soils and water	2(1+1)
12	SOIL-512	Land degradation and restoration	1(1+0)
13	SOIL-513	Soil survey and land use planning	2(2+0)
14	SOIL-514	Introduction to nanotechnology	3(2+1)
15	SOIL-591	Master's seminar	1(0+1)
16	SOIL-599	Master's research	30(0+30)

**Compulsory among major courses*

M.Sc. (Ag.) in Soil and Water Conservation			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	SCN-501	Soil degradation, conservation and restoration	2(2+0)
2	SCN-502	Hydrology and watershed manegement	2(2+0)
3	SCN-503	Soil erosion and sedimentation	3(2+1)
4	SCN-504	Soil conversation engineering	3(2+1)
5	SCN-505	Soil conversation ecosystems	3(2+1)
6	SCN-506	Soil conversation agronomy	2(1+1)
7	SCN-507	Soil fertility and water management	3(2+1)

8	SCN-508	Soil and water conversation methodology	3(2+1)
9	SCN-509	Irrigation and drainage	3(2+1)
10	SCN-510	Ecosystem management	3(2+1)
11	SCN-511	Special topics in soil and water conversation	1(1+0)
12	SCN-591	Master's seminar	1(0+1)
13	SCN-599	Master's research	30(0+30)

**Compulsory among major courses*



M.Tech (Agricultural Engineering)

M.Tech (Agricultural Engineering) DEGREE PROGRAMMES:

The School also offers M.Tech (Agricultural Engineering) in Soil and Water Conservation Engineering course degree programme covering a total of 70 credit hours.

Particulars	Credit Requirement
(i) Course Work	
Major Courses	20
Minor Courses	8
Supporting Courses	6
Common Courses	5
Seminar	1
(ii) Thesis Research	30
Total	**70**

DURATION

The programme is of minimum 2 years (4 semesters) and a maximum of 5 years (10 semesters) duration.

Intake Capacity - 10 Seats

ELIGIBILITY

B.Tech in Agricultural Engineering from a recognized University/Institute with minimum 6.5 OGPA for General Candidates and 6.0 OGPA for SC/ST/OBC (NCL) candidates.

MAJOR COURSES

Course Code	Course Title	Credit Hours
*AGE-501	Advanced Soil and Water Conservation Engineering	2+1
*AGE-502	Applied watershed hydrology	2+1
AGE-503	Soil and water conservation structures	2+1
AGE-504	Stochastic hydrology	2+1
*AGE-505	Watershed management and modelling	2+1
AGE-506	Flow through porous media	2+0
AGE-507	Remote sensing and GIS for land and water resourse management	2+1
AGE-508	Climate chage and water resources	3+0
AGE-509	Numerical methods in Hydrology	2+0
AGE-510	Dryland water management technolgies	2+0

*Compulsory Course

Doctor of Philosophy (Ph.D.)

ADMISSION AND ELIGIBILITY

The admission to the Ph.D. programme is done in the beginning of each academic session. Candidates passed B.Sc.(Agri)/B.Sc.(Horti.) or B.Sc. (Hons.) In Agriculture / Horticulture from any University recognized by NU with OGPA 6.50 or equivalent for General, 6.0 or equivalent for SC/ST/OBC(NCL) candidates and with Masters Degree in concern subject with at least 7.5 OGPA for General and 7.5 for SC/ST/OBC(NCL) candidates.

The admission to the Ph.D Programme is offered in the following discipline:

- Agricultural Economics
- Agricultural Extension Education
- Agronomy
- Entomology
- Genetics and Plant Breeding
- Livestock Production and Management
- Plant Pathology
- Horticulture in Vegetable Science
- Horticulture in Fruit Science
- Horticulture in Floriculture and Landscape
- Horticulture in Plantation, Spices, Medicinal and Aromatic Crops
- Soil Science
- Soil and Water Conservation

COURSE DURATION: Minimum 3 years (6 semesters with minimum two semester course work)and a maximum of 6 years (12 Semesters).*

CREDIT REQUIREMENTS

Total credits Hours	: 100 (25+75)
Major Course Credit Hours	: 12
Minor Course Credits Hours	: 06
Supporting Course Credits	: 05
Seminar (major) Credit Hours	: 01
Seminar (Minor) Credit Hours	: 01
Research Credit Hours	: 75

***Common Courses : 05 (exempted for those who have already taken the subjects in Masters Degree Program)**

INTAKE CAPACITY FOR ADMISSION IN Ph.D PROGRAM

For admission in Ph.D. Program, 30% seats shall be filled through ICAR quota, under CUET and the remaining 70% seats shall be filled through NU entrance exam. Seats remaining vacant under CUET shall also be filled through NU entrance exam. The maximum intake capacity in each discipline is given below**(Authority may increase or decrease the intake capacity based on resources and infrastructure availability)-**

NUMBER OF SEATS: Admission is subjected to vacancy available in the relevant disciplines.

***Note:** Admitted candidates for Ph.D. programme will be governed by Ph.D. ordinance of the University.

COURSE OFFERED

Ph.D. in Agricultural Economics			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	AEC-601	Advanced micro economic analysis	2(1+1)
2	AEC-602	Advanced macro economic analysis	2(2+0)
3	AEC-603	Advanced econometrics	3(2+1)
4	AEC-604	Advanced production economics	3(2+1)
5	AEC-606	Advanced Agricultural Marketing and Price Analysis	3(2+1)
6	AEC-607	Quantitative development policy analysis	2(1+1)
7	AEC-608	Natural resource management	3(2+1)
8	AEC-609	Environmental economics	3(2+1)
9	AEC-605	Operations research	3(2+1)
10	AEC-660	Doctoral seminar – I	1(0+1)
11	AEC-661	Doctoral seminar – II	1(0+1)
12	AEC-699	Doctoral research	75 (0+75)

Ph.D. in Agricultural Extension Education			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	EXT-601*	Policy engagement and extension	3(2+1)
2	EXT-602*	Methodologies for social and behavioural sciences	3(2+1)
3	EXT-603*	Technology commercialization and incubation	3(2+1)
4	EXT-604*	Educational technology and instructional designs	3(2+1)
5	EXT-605	Risk management and climate change adaptation	3(2+1)
6	EXT-606	Livelihood development	2(1+1)
7	EXT-607	Facilitation for people centric development	3(2+1)
10	EXT-691	Doctoral seminar - I	1(0+1)
11	EXT-692	Doctoral seminar - II	1(0+1)
12	EXT-699	Doctoral research	75 (0+75)

**Compulsory among major courses*

Ph.D. in Agronomy			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	AGRON-601*	Current trends in agronomy	3(3+0)
2	AGRON-602	Recent trends in crop growth and productivity	3(2+1)
3	AGRON-603	Irrigation management	3(2+1)
4	AGRON-604	Recent trends in weed management	2(2+0)
5	AGRON-605	Integrated farming systems for sustainable agriculture	2(2+0)
6	AGRON-606	Soil conservation and watershed management	3(2+1)
7	AGRON-607	Stress crop production	3(2+1)
8	AGRON-608*	Research and publication ethics	2(2+0)

9	AGRON-691	Doctoral seminar – I	1(0+1)
10	AGRON-692	Doctoral seminar – II	1(0+1)
11	AGRON-699	Doctoral research	75 (0+75)

**Compulsory among major courses*

Ph.D. in Entomology			
Sl. No.	**Course Code**	**Course Title**	**Credit Hours**
1	ENT-601*	Insect phylogeny and systematics	3 (1+2)
2	ENT-602*	Insect physiology and nutrition	3 (2+1)
3	ENT-603*	Insect ecology and diversity	3 (2+1)
4	ENT-604	Insect behaviour	2 (1+1)
5	ENT-605*	Bio-inputs for pest management	3 (2+1)
6	ENT-606*	Insect toxicology and residues	3 (2+1)
7	ENT-607	Plant resistance to insects	2 (1+1)
8	ENT-608	Acarology	2 (1+1)
9	ENT-609	Molecular entomology	2 (1+1)
10	ENT-610	Integrated pest management	2 (2+0)
11	ENT-691	Doctoral seminar – I	1 (0+1)
12	ENT-692	Doctoral seminar – II	1 (0+1)
13	ENT-699	Doctoral research	75 (0+75)

**Compulsory among major courses*

Ph.D. in Genetics and Plant Breeding			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	GPB-601*	Advances in plant breeding systems	3 (3+0)
2	GPB-602	Advances in biometrical genetics	3 (2+1)
3	GPB-603	Molecular cytogenetics for crop improvement	2 (2+0)
4	GPB-604	Plant genetics resources, conservation and utilization	2 (2+0)
5	GPB-605*	Genomics in plant breeding	3 (3+0)
6	GPB-606	Population genetics	2 (2+0)
7	GPB-607	Crop evolution	3 (3+0)
8	GPB-608	Breeding designer crops	2 (1+1)
9	GPB-609*	IPR and regulatory mechanism (e-course)	1 (1+0)
10	GPB-691	Doctoral seminar - I	1(0+1)
11	GPB-692	Doctoral seminar - II	1(0+1)
12	GPB-699	Doctoral research	75 (0+75)

**Compulsory among major courses*

Ph.D. in Livestock Production and Management			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	LPM-601*	Recent developments in large ruminants production management	3(2+1)
2	LPM-602*	Recent developments in small ruminants production management	3(2+1)
3	LPM-603*	Recent developments in swine production	2(1+1)
4	LPM-604*	Livestock and environment	1(1+0)
5	LPM-605*	Organic livestock production	1(1+0)
6	LPM-606	Recent developments in welfare of farm animals	1(1+0)
7	LPM-608	Precision livestock farming	2(1+1)
8	LPM-609	Recent developments in poultry production management	3(2+1)
9	LPM-691	Doctoral seminar – I	1(0+1)
10	LPM-692	Doctoral seminar – II	1(0+1)
11	LPM-699	Doctoral research	75 (0+75)

**Compulsory among major courses*

Ph.D. in Plant Pathology			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	PL PATH-601	Advances in mycology	3(2+1)
2	PL PATH-602	Advances in virology	3(2+1)
3	PL PATH-603	Advances in plant pathogenic prokaryotes	3(2+1)
4	PL PATH-604*	Molecular basis of host-pathogen interaction	3(2+1)
5	PL PATH-605	Principles and procedures of certification	1(1+0)
6	PL PATH-606	Plant biosecurity and biosafety	2(2+0)
7	PL PATH-691	Doctoral seminar – I	1(0+1)
8	PL PATH-692	Doctoral seminar – II	1(0+1)
9	PL PATH-699	Doctoral research	75 (0+75)

**Compulsory among major courses*

Ph.D. in Horticulture –Fruit Science			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	FSC-601*	Innovative approaches in fruit breeding	3(3+0)
2	FSC-602*	Modern trends in fruit production	3(3+0)
3	FSC-603	Recent developments in growth regulation	3(3+0)
4	FSC-604	Advanced laboratory techniques	3(1+2)
5	FSC-605	Arid and dry land fruit production	2(2+0)
6	FSC-606	Abiotic stress management in fruit crops	3(2+1)
7	FSC-607	Biodiversity and conservation of fruit crops	3(2+1)

8	FSC-608	Smart fruit production	2(2+0)
9	FSC-691	Doctoral seminar – I	1(0+1)
10	FSC-692	Doctoral seminar – II	1(0+1)
11	FSC-699	Doctoral research	75 (0+75)

**Compulsory among major courses*

Ph.D. in Horticulture –Vegetable Science			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	VSC-601*	Recent trends in vegetable production	3(3+0)
2	VSC-602*	Advances in breeding of vegetable crops	3(3+0)
3	VSC-603	Abiotic stress management in vegetable crops	3(2+1
4	VSC-604	Seed certification, processing and storage of vegetable crops	3(2+1)
5	VSC-605	Breeding for special traits in vegetable crops	2(2+0)
6	VSC-606	Biodiversity and conservation of vegetable crops	3(2+1)
7	VSC-607	Biotechnological approaches in vegetable crops	3(2+1)
8	VSC-608	Advanced laboratory techniques for vegetable crops	3(1+2)
9	VSC-691	Doctoral seminar – I	1(0+1)
10	VSC-692	Doctoral seminar – II	1(0+1)
11	VSC-699	Doctoral research	75 (0+75)

**Compulsory among major courses*

Ph.D. in Horticulture –Floriculture and Landscaping			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	FLS-601*	Crop regulation in ornamental crops	2(1+1)
2	FLS-602*	Postharvest biology of floricultural crops	3(2+1)
3	FLS-603	Specialty flowers, fillers and cut greens	2(1+1)
4	FLS-604	Biotechnological approaches in floricultural crops	3(2+1)
5	FLS-605*	Advances in landscaping	2(1+1)
6	FLS-606	Vertical gardening	3(1+2)
7	FLS-607	Modern approaches in breeding of floricultural crops	3(2+1)
8	FLS-608	Current trends in production technology of floricultural crops	3(2+1)
9	FLS-609	Recent developments in protected cultivation of floricultural crops	3(2+1)
10	FLS-691	Doctoral seminar – I	1(0+1)
11	FLS-692	Doctoral seminar – II	1(0+1)
12	FLS-699	Doctoral research	75 (0+75)

**Compulsory among major courses*

Ph.D. in Horticulture – Plantation, Spices, Medicinal and Aromatic crops			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	PSMA-601*	Advances in production of plantation and spice crops	3(3+0)
2	PSMA-602*	Advances in production of medicinal and aromatic crops	3(3+0)
3	PSMA-603*	Recent breeding approaches in plantation, spice, medicinal and aromatic crops	3(3+0)
4	PSMA-604	Advanced methods in laboratory techniques	3(1+2)
5	PSMA-605	Biotechnological approaches in psma crops	3(3+0)
6	PSMA-606	Abiotic stress management in plantation, spice, medicinal and aromatic crops	3(2+1)
7	PSMA-607	Organic spice and plantation crops production	3(2+1)
8	PSMA-608	Marketing and export of plantation, spice, medicinal and aromatic crops	3(2+1)
9	PSMA-691	Doctoral seminar – I	1(0+1)
10	PSMA-692	Doctoral seminar – II	1(0+1)
11	PSMA-699	Doctoral research	75 (0+75)

**Compulsory among major courses*

Ph.D. in Soil Science			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	SOIL-601	Recent trends in soil physics	2(2+0)
2	SOIL-602	Modern concept in soil fertility	2(2+0)
3	SOIL-603*	Physical chemistry of soil	2(2+0)
4	SOIL-604*	Soil genesis and micromorphology	2(2+0)
5	SOIL-605	Bio-chemistry of soil organic matter	2(2+0)
6	SOIL-606	Soil resource management	3(3+0)
7	SOIL-607	Modelling of soil plant system	2(2+0)
8	SOIL-608	Clay mineralogy	3(2+1)
9	SOIL-609	Recent trends in soil microbial biodiversity	3(2+1)
10	SOIL-691	Doctoral seminar – I	1(0+1)
11	SOIL-692	Doctoral seminar – II	1(0+1)
12	SOIL-699	Doctoral research	75 (0+75)

**Compulsory among major courses*

Ph.D. in Soil and Water Conservation			
Sl. No	**Course Code**	**Course Title**	**Credit Hours**
1	SCN-601*	Advances in watershed management	3(2+1)
2	SCN-602	Environment, pollution and management	2(2+0)
3	SCN-603*	Water management technology	2(2+0)
4	SCN-604*	Soil and water conservation structures	2(2+1)
5	SCN-605	Drainage management in crop production	3(2+1)
6	SCN-606	Irrigation system design and irrigation water quality	3(2+1)
7	SCN-607*	Conservation agriculture	3(2+1)
8	SCN-608	Conservation Forestry	3(2+1)
9	SCN-691	Doctoral seminar-I	1(0+1)
10	SCN-692	Doctoral seminar-II	1(0+1)
11	SCN- 699	Doctoral research	75(0+75)

**Compulsory among major courses*

GENERAL INFORMATION

A newly admitted student who has passed the qualifying examination from any Board/University outside Nagaland state is to register himself/herself as a student of Nagaland University. He/She has to apply for registration in a prescribed Performa along with the requisite fee and Transfer/Migration certificate in original within the first semester of the degree programme.

1. ADVISORY SYSTEM

The Dean shall assign a teacher to all newly admitted under graduate students of the school to act as an advisor for each student. Each Advisor shall maintain personal records in respect of the students concerning his/her academic progress, deficiencies in studies, personal problems as well as co-curricular activities. The Students shall approach his/her advisor as and when need arises.

2. HOSTEL

The School provides hostel facilities for all students and every student is required to stay in the hostel. Each hostel is supervised by a warden. There are five hostels for boys and five for girls. Those who cannot stay in the hostels due to unavoidable reasons will have to take permission from concern authority to attend the classes as day scholars. All the students have to abide by the rules and regulations of the hostel.

3. LIBRARY FACILITIES

The School library is equipped with a fully computerised library using SOUL 2.0 software, and RFID automation, functioning on the basis of an 'open access' system. It houses over 35,000 volumes of books and subscribes to 52 journals/periodicals. Competitive books on all Civil Services exams, NET, GATE, CAT, Banking, etc., for enabling the students to update themselves for appearing competitive examinations. Students are provided the facility of computers with high speed internet connectivity and access to online e-journals, UGC-Infonet, CeRA, CABI abstract and Indiastat. The library functions from 9.00 am to 5.30 pm on all working days.

4. HEALTH CENTRE

There is a health centre headed by Chief Medical Officer to provide health care facilities for both students and staff. Ambulance facility is also available.

5. FARMS

The School has more than 100 acres of research cum instructional farm with all modern equipments and machineries where students and faculties conduct practical classes and research activities.

6. INTERNATIONAL HOSTEL AND GUEST HOUSE

The School has a well furnished International hostel funded by ICAR and a guest house donated by Alumni association.

7. CAFETERIA

The school has a cafeteria which provides wholesome and hygienic food.

8. FARMERS' CELL

A farmers' cell has been established in the Campus with the objective of looking into the problem of the farmers in management of their crops and livestock and to regularly impart suitable training programmes for skill up- gradation. In order to reach out to the farmers, several villages have been adopted through this cell.

9. RESEARCH AND EXTENSION CELL

The Research and Extension Cell (REC) has been established to coordinate the research and extension activities in SAS and maintain liaisons with one another and to maintain linkages with other line departments / institutions/ organizations in the state and to provide all necessary steps for adoption and dissemination of technologies evolved at SAS.

10. CENTRAL INSTRUMENTATION CENTRE

The school has a well equipped Central Instrumentation Centre (CIC) which caters to the various research analysis of students and faculty members.

11. STUDENTS UNION AND CO-CURRICULAR ACTIVITIES

All the student admitted to the school automatically become member of the student union and are entitled to participate in the union activities. The entire students have to pay the prescribed students union fee at the beginning of each academic session.

12. EVANGELICAL UNION(EU)

EU exists in the campus, guided by senior faculty members (EGF). Interested students can participate in such activities. Worship services are held every Sunday.

13. SCHOOL MAGAZINE

Student union publishes an annual School Magazine “HILL AGRI”, in which the students and faculties share their creativity and thoughts.

14. GAMES AND SPORTS

The school provides facilities for indoor games viz., Badminton, Table Tennis and outdoor games viz., Football, Volley ball, Cricket and Athletics. Annual Sports Week and inter-class tournaments are regularly conducted.

15. CULTURAL AND LITERARY PROGRAMME

The student union organizes cultural and literary programmes like Drama, Dance, Debate, Quiz competition, Fresher's and Parting Social to enrich the student's literary and cultural talents. The school has a spacious Multipurpose Hall where various functions and competitions are organized in addition to academic seminars, symposia, guest lectures, etc.

16. ALUMNI ASSOCIATION

The school has a strong Alumni Association which celebrates its Alumni meet on the 20th of October every year in the campus. The Association is actively involved in various academic and developmental activities of the school. To improve the academic atmosphere and to create healthy competitive environment amongst the students, the following awards are conferred annually.

1. **The Alumni award :** Topper in B.Sc. (Hons.) Agri., Sponsored by **AASAS**(Cash Award of Rs. 20,000/- and Certificate)
2. **Peri Om Pun Excellence Award :** B.Sc. (Hons.) Agri. 1st Year Topper, Sponsored by **Dr. Umed Pun : 7th Batch** (Cash Award of Rs. 10,000/- and Certificate)
3. **R2 Seeds Excellence Award :** B.Sc. (Hons.) Agri. 2nd Year Topper, Sponsored by **C. Narayana Rao : 8th Batch** (Cash Award of Rs. 10,000/- and Certificate)
4. **Lt. Cherish Ch. Marak Excellence Award :** B.Sc. (Hons.) Agri. 3rd Year Topper, Sponsored by **Mrs. Thera Ch Marak : 8th Batch** (Cash Award of Rs. 10,000/- and Certificate)

17. BANK & ATM SERVICES

A branch of State Bank of India and Indian Bank each operates in the town close to the Campus. SBI ATM service is also available in the campus.

18. POST OFFICE

The school has a sub-post office (SPO) in the campus.

19. COLLABORATIONS

The school collaborates with various organizations and have MOUs with ICAR, State Government Departments and local bodies for research and extension activities.

20. ICAR-AICRPs/TSP/AND OTHER EXTERNALLY FUNDED PROJECTS

The school has seven (6) ICAR-AICRP units (Soyabean/ Kharif Pulses/ Linseed/ Honey Bee/ Vegetables/ Fruits) and TSP functioning in the campus which are carrying out various development programmes/ testing/ identification of technologies for wider application including training and awareness programmes. In addition, the school has a good number of externally funded projects sponsored by DST/ DBT/ NMHS, MoEFCC/ MDoNER/ NEC etc.

DEPARTMENT & FACULTY

The school has 12 Academic Departments and about 67 highly qualified faculties from different parts of the country. Many of them are internationally acclaimed with vast experience in teaching and handling quality projects.

SCHOOL OF AGRICULTURAL SCIENCES

Pro-Vice Chancellor : Prof. Dipak Sinha
DEAN : Prof. L. Daiho
Contact detail : 9436004490
Email ID : deansasrd@nagalanduniversity.ac.in

DEPARTMENT OF AGRICULTURAL ECONOMICS

Head of the Department : Prof. R. Nakhro
Contact detail : 9436602514
Email ID : hodagrieco@nagalanduniversity.ac.in

Sl.No	Name	Designation	Specializations
1	Dr. Amod Sharma	Professor	Agricultural Economics
2	Dr. R. Nakhro	Professor	Agricultural Economics
3	Dr. Sanjoy Das	Professor	Agricultural Marketing
4	Dr. Rohith. G. V.	Assistant Professor	Agricultural Economics
5	Dr. S Herojit Singh	Assistant Professor	Agricultural Statistics

DEPARTMENT OF AGRICULTURAL EXTENSION EDUCATION

Head of the Department : Prof. N. K. Patra
Contact detail : 8250959904
Email ID : hodagriext@nagalanduniversity.ac.in

Sl.No	Name	Designation	Specializations
1	Dr. K. K. Jha	Professor	Agricultural Extension & Entrepreneurship Development
2	Dr. J. Longkumer	Professor	Rural Sociology
3	Dr. N. K. Patra	Professor	Extension Education
4	Dr. Mary N. Odyuo	Associate Professor	Agricultural Extension
5	Dr. Saurabh Sharma	Associate Professor	Agricultural Extension
6	Dr. Moanungsang	Assistant Professor	English

DEPARTMENT OF AGRONOMY

Head of the Department : Prof. T. Gohain
Contact detail : 9436430276
Email ID : hodagro@nagalanduniversity.ac.in

Sl.No	Name	Designation	Specializations
1	Dr. L. Tongpang Longkumer	Professor	Cropping System, Weed and Nutrient Management
2	Dr. T. Gohain	Professor	Crop Production
3	Dr. A. P. Singh (On Lien)	Associate Professor	Weed Management
4	Dr. Lanunola Tzudir	Assistant Professor	Cropping System
5	Dr. Debika Nongmaithem	Assistant Professor	Weed Management
6	Dr. Rekha Yadav	Assistant Professor	Crop Production
7	Dr. Noyinthung Kikon	Assistant Professor	Weed Management

DEPARTMENT OF ENTOMOLOGY

Head of the Department : Dr. Pankaj Neog
Contact detail : 8575263444
Email ID : hodentomology@nagalanduniversity.ac.in

Sl.No	Name	Designation	Specializations
1	Dr. Imtinaro L.	Professor	Productive Entomology
2	Dr. Pankaj Neog	Associate Professor	Storage Entomology
3	Dr. Hijam Shila Devi	Associate Professor	Economic Entomology
4	Dr. Tinatoly Sema	Associate Professor	Host Plant Resistance and Pest Management
5	Dr. Waluniba	Assistant Professor	Horticultural Entomology
6	Dr. Sabbithi Pavan	Assistant Professor	Insect Systematics and Taxonomy, Integrated Pest Management, Plant Quarantine

DEPARTMENT OF GENETICS AND PLANT BREEDING

Head of the Department : Prof. M. Borthakur Sharma
Contact detail : 9436004626
Email ID : hodgpb@nagalanduniversity.ac.in

Sl.No	Name	Designation	Specializations
1	Dr. M. Borthakur Sharma	Professor	Plant Breeding
2	Dr. H. P. Chaturvedi	Professor	Plant Breeding
3	Dr. Pankaj Kumar Shah (On Lien)	Associate Professor	Plant Breeding
4	Dr. Rupsanatan Mandal	Associate Professor	Plant Breeding
5	Dr. Merentoshi	Assistant Professor	Crop Production
6	Dr. Niranjan Kr. Chaurasia	Assistant Professor	Plant Breeding

DEPARTMENT OF LIVESTOCK PRODUCTION AND MANAGEMENT

Head of the Department : Prof. M. Catherine Rutsa
Contact detail : 9436005196
Email ID : hodlpm@nagalanduniversity.ac.in

Sl.No	Name	Designation	Specializations
1	Dr. V. K. Vidyarthi	Professor	Animal Nutrition
2	Dr. Nizamuddin	Professor	Livestock Production and Management
3	Dr. M. Catherine Rutsa	Professor	Clinical Medicine
4	Dr. Razouneinuo Zuyie	Professor	Livestock Production and Management
5	Dr. N. Savino	Associate Professor	Livestock Production and Management

DEPARTMENT OF PLANT PATHOLOGY

Head of the Department : Prof. Susanta Banik
Contact detail : 9436606310
Email ID : hodplantpatho@nagalanduniversity.ac.in

Sl.No	Name	Designation	Specializations
1	Dr. L. Daiho	Professor	Microbial Ecology
2	Dr. N. Tiameren Ao	Professor	Plant Pathology
3	Dr. Susanta Banik	Professor	Plant Pathology
4	Dr. Bireswar Sinha	Professor	Plant Virology
5	Dr. Narola Pongener	Associate Professor	Mushroom Technology
6	Dr. Meronbala Devi	Assistant Professor	Plant Pathology
7	Dr. Moirangthem Indira Devi	Assistant Professor	Seed Pathology

DEPARTMENT OF RURAL DEVELOPMENT AND PLANNING
(currently attached to School of Social Sciences, Nagaland University)

Head of the Department : Prof. Jayanta Choudhury
Contact detail : 9436123886
Email ID : hodrdp@nagalanduniversity.ac.in

Sl.No	Name	Designation	Specializations
1	Dr. Jayanata Choudhary	Professor	Rural Development and Planning
2	Dr. Deepa Thangjam	Assistant Professor	Agricultural Extension, Rural Development and Impact Assessment
3	Dr. Merensangla Longkumer	Assistant Professor	Rural Development, Gender Studies and Development
4	Dr. Guneshori Maisnam	Assistant Professor	Adoption, Behaviour and Transfer of Technology

DEPARTMENT OF HORTICULTURE

Head of the Department : Prof. Pauline Alila
Contact detail : 9436012736
Email ID : hodhorti@nagalanduniversity.ac.in

Sl.No	Name	Designation	Specializations
1	Dr. Akali Sema	Professor	Pomology
2	Dr. Pauline Alila	Professor	Pomology
3	Dr. C. S. Maiti	Professor	Fruits & Orchard Management
4	Dr. S. P. Kanaujia	Professor	Olericulture
5	Dr. Rokolhuu Keditsu	Associate Professor	Floriculture and Landscaping
6	Dr. A. K. Sarkar	Associate Professor	Fruits and Orchard Management
7	Dr. L. Hemanta	Assistant Professor	Floriculture and Landscaping
8	Dr. Sentirenla Jamir	Assistant Professor	Horticulture - Vegetable Science
9	Dr. Graceli I. Yepthomi	Assistant Professor	Horticulture - Plantation, Spices, Medicinal and Aromatic Crops

DEPARTMENT OF SOIL SCIENCE

Head of the Department : Prof. P. K Singh
Contact detail : 9436264179
Email ID : hodagrichem@nagalanduniversity.ac.in

Sl.No	Name	Designation	Specializations
1	Dr. Y. K. Sharma	Professor	Soil Science
2	Dr. A. K. Singh	Professor	Soil Fertility and Nutrient Management
3	Dr. P. K Singh	Professor	Soil Science
4	Dr. Tanmoy Karak	Professor	Environmental Soil Science
5	Dr. Jurisandhya Barik Bordoloi	Associate Professor	Soil Microbiology
6	Dr. Sentimenla	Assistant Professor	Soil Fertility and Plant Nutrition
7	Dr. Kevineituo Bier	Assistant Professor	Soil Fertility Management and Plant Nutrition

DEPARTMENT OF SOIL AND WATER CONSERVATION

Head of the Department : Prof. Manoj Dutta
Contact detail : 9436262613
Email ID : hodswc@nagalanduniversity.ac.in

Sl.No	Name	Designation	Specializations
1	Dr. Manoj Dutta	Professor	Soil Physics and Soil and Water Conservation
2	Dr. Sewak Ram	Associate Professor	Soil and Water Conservation

DEPARTMENT OF AGRICULTURAL ENGINEERING

Head of the Department : Prof. Khan Chand
Contact detail : 7500734737
Email ID : hodagriengg@nagalanduniversity.ac.in

Sl.No	Name	Designation	Specializations
1	Dr. A. K. Verma	Professor	Soil & Water Conservation Engineering
2	Dr. Khan Chand	Professor	Process & Food Engineering
3	Dr. Chitrasen Lairenjam	Associate Professor	Soil and Water Engg/Irrigation and Drainage Engg (Agril Engg)
4	Dr. Prabhakar Singh	Associate Professor	

DEPARTMENT OF VOCATIONAL STUDIES AND SKILL DEVELOPMENT

Head In-charge : Prof. Akali Sema
Coordinators : (i) Prof. C.S. Maiti
(ii) Prof. K. K. Jha
(iii) Prof. Khan Chand
Contact detail : 9436015716
Email ID : vssd@nagalanduniversity.ac.in

Sl.No	Name	Designation	Specializations
1	Dr. Nini R. Kuotsu	Assistant Professor (Contract)	Horticultural Technology
2	Dr. Anupama Bora	Assistant Professor (Contract)	Food Engineering and Technology
3	Dr. K. Ajay Kumar	Assistant Professor (Contract)	Horticultural Technology
4	Dr. Vikono Ksh	Assistant Professor (Contract)	
5	Shri. Vipin Arya	Assistant Professor (Contract)	

INCHARGE OF VARIOUS SECTIONS/CELLS:

Sl.No	Section/Cell	Name
1	Associate Dean, Students Welfare	Prof. J. Longkumer
2	Placement Officer	Prof. Pauline Alila
3	In-Charge, Central Instrumentation Centre	Prof. Tanmoy Karak
4	Coordinator of Farmers Cell	Dr. Mary Odyuo
5	Student READY Program	
	5.1) AIA	Prof. K. K. Jha
	5.2) ELP	Dr. Khan Chand
	5.3) RAWE	Dr. Narola Pongener
6	In-Charge, Academic Cell	Dr. Jurisandhya Barik Bordoloi
7	In-Charge, Exam Section	Prof. Sanjoy Das
8	Prof. Incharge Research Cell	Prof. Akali Sema
9	Prof. Incharge Extension Cell	Prof. L. Tongpang Longkumer

STUDENT MENTORING AND SUPPORT

ASSOCIATE DEAN, STUDENTS WELFARE: A senior faculty member is appointed as Associate Dean Students Welfare, who takes up the responsibility of the welfare of the students' community.

ANTI-RAGGING COMMITTEE: An anti-ragging committee headed by the Dean checks the menace of ragging in the campus. Ragging is strictly prohibited in SAS campus.

DISCIPLINE: All students under SAS is expected to maintain discipline according to the rules and regulations as laid down in the ordinance of the Academic Regulation RC 4. Any indiscipline will attract appropriate action from the authorities as mentioned in the Regulations.

ADVISOR FOR EACH STUDENT: Each student is allotted with an advisor who acts as a mentor and who advices the student on various aspects of academic, personal as well as co- curricular related activities. The student can approach his/her advisor as and when such need arises.

PLACEMENT CELL: Placement cell has been established to guide students for their future academic career and employment.

STUDY TOUR: In addition to local and regional field trips for exposure of students to recent development in agricultural and allied fields in the country, Study Tour has been made compulsory. This Tour offers opportunity to students to visit some of the Agricultural institutions/Universities/Research Stations and different state government organizations to study the latest work done and technologies developed in the country.

FIELD TRIPS: Field Trips are periodically conducted for exposing the students to gain practical field experiences.

SPECIAL LECTURES: Many high profile dignitaries visiting the state are invited for delivering special lectures to the students. Besides, progressive farmers and successful entrepreneurs are also invited to give their inspiring stories to the students from time to time.

NATIONAL SERVICE SCHEME (NSS): NSS programmes are organized in the School under the coordination of a teacher in which the students are enrolled as volunteers. After successful completion of the programmes, students are awarded a certificate.

ECO CLUB: The students actively engage themselves in social works, tree plantations in and around the campus and organize various environmental awareness programmes from time to time.

PHOTO GALLERY

Celebration of International Women's Day

RAWE Demonstrations in different villages

Research plot of PG scholars

STUDENTS IN CLASSROOM AND LABORATORY

FACULTY DEVELOPMENT PROGRAMME

Cultural and Literacy Day

Library

Alumni Hostel

Alumni Meet

Hostels

Annual Sports Meet

Blood Donation Camp

Eco Club

All India Study Tour

World Environment Day

Farmers Cell

Health Centre

Multi Purpose Hall

Annexure - I

FEE STRUCTURE FOR PROGRAMMES UNDER SASRD

Sl.No	Particulars	B.Sc. (Hons.) Ag.		M.Sc. (Ag.)		Ph.D. (Ag.)	
		1st Semester (Rs.)	Subsequent Semester (Rs.)	1st Semester (Rs.)	Subsequent Semester (Rs.)	1st Semester (Rs.)	Subsequent Semester (Rs.)
1	Tution Fee	590.00	590.00	1160.00	1160.00	2900.00	2900.00
2	Admission Fee (One Time)	3010.00	-	1160.00	-	1160.00	-
3	Registration Fee (One Time)	440.00	-	440.00	-	440.00	-
4	Laboratory Fee	470.00	470.00	1160.00	1160.00	2310.00	2310.00
5	Departmental Caution Money (Refundable)	930.00	-	930.00	-	1740.00	-
6	Library Fee	360.00	360.00	360.00	360.00	410.00	410.00
7	Sports Fee	70.00	70.00	70.00	70.00	70.00	70.00
8	Medical Fee	130.00	130.00	130.00	130.00	130.00	110.00
9	Students' Activity Fee	360.00	360.00	360.00	360.00	360.00	360.00
10	Students' Aid Fund (One Time)	240.00	-	240.00	-	240.00	-
11	Library Caution Money (Refundable)	1160.00	-	1160.00	-	1390.00	-
12	Examination Fee	700.00	700.00	930.00	930.00	2080.00	-
13	Course Work Fee	-	-	-	-	1160.00	-
14	Thesis Evaluation Fee (One Time)	-	-	2200	-	16500.00	-
15	Annual Magazine Fee	70.00	-	70.00	-	70.00	-
16	University Development Fund	110.00	-	110.00	-	110.00	-
	Total	**8640.00**	**2680.00**	**10480.00**	**4170.00**	**31070.00**	**6160.00**

FOR HOSTELLERS

Sl.No	Particulars	B.Sc. (Hons.) Ag.		M.Sc. (Ag.)		Ph.D. (Ag.)	
		1st Semester (Rs.)	Subsequent Semester (Rs.)	1st Semester (Rs.)	Subsequent Semester (Rs.)	1st Semester (Rs.)	Subsequent Semester (Rs.)
1	Hostel Admission Fee	220.00	-	220.00	-	220.00	-
2	Hostel Fee	2750.00	2750.00	2750.00	2750.00	3300.00	3300.00
3	Hostel Caution Money (Refundable)	1740.00	-	1740.00	-	1740.00	-
	Total	**4710.00**	**2750.00**	**4710.00**	**2750.00**	**5260.00**	**3300.00**

OTHERS

Sl.No	Particulars	Amount
1	Repeat per paper	330
2	Late fine(up to maximum of seven(7)days only per day)	110
3	Identity Card/Re-Issue of Identity Card	110
4	Application forms and information brochures for SC,ST/General	170/220

FEE STRUCTURE FOR VOCATIONAL STUDIES & SKILL DEVELOPMENT

Sl.No	Particulars	Vocational (UG)		Vocational (PG)	
		1st Semester (Rs.)	Subsequent Semester (Rs.)	1st Semester (Rs.)	Subsequent Semester (Rs.)
1	Tution Fee	5000.00	1000.00	7000.00	1000.00
2	Admission Fee (One Time)	1160.00	-	1160.00	-
3	Registration Fee	440.00	-	440.00	-
4	Laboratory Fee	5000.00	1000.00	4610.00	1000.00
5	Departmental Caution Money (Refundable)	930.00	-	930.00	-
6	Library Fee	360.00	360.00	360.00	360.00
7	Sports Fee	70.00	70.00	70.00	70.00
8	Medical Fee	130.00	130.00	130.00	130.00
9	Students' Activity Fee	360.00	360.00	360.00	360.00
10	Students' Aid Fund (One Time)	240.00	-	240.00	-
11	Library Caution Money (Refundable)	1160.00	-	1160.00	-
12	Examination Fee	700.00	8540.00	930.00	8340.00
15	Magazine Fee	70.00	-	70.00	-
16	University Development Fund	110.00	-	110.00	-
17	Dissertation	-	-	-	2200
	Total	**15730.00**	**11460.00**	**17570.00**	**13460.00**

Aerial view of NU : SAS, Medziphema Campus

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