



VIT School of Agricultural Innovations and Advanced Learning (VAIAL)
B. Sc. (Hons.) Agriculture
Curriculum (2025-26 batches onward)

ELIGIBILITY: +2 Science with **biology** as one subject

SIXTH DEANS' COMMITTEE - to be made MANDATORY - NAEAB OF ICAR

NEP-2020 guideline: Academic Bank of Credits (**ABC**) to facilitate institutional transfer of students

BREAK-UP OF COURSES		
Sl. No.	Category	Credits
1	Programme Core	161
2	Programme Elective	20
Recommended Total Number of Credits (as per the inclusion of need based Remedial Course Credit -1)		181(PCMB)/182(PCB/PCM)
Minimum Total Number of Credits		181

Programme Core includes **18 credits** of **NON GRADIAL** courses + **2, 1 Credit** need based Remedial Courses

NON GRADIAL - Mandatory credit course, but not included for GPA.

- A registered student has to be graded as **Satisfactory** for **Online courses** - ONLAC301 -NG
- REMAC101, ECXAC101, ECXAC102, ECXAC103 & ECXAC104, EDTAC301 - **PASS/FAIL - NG**
- **Bridge/Remedial – Gradial** course but not included for GPA; REMAC102, REMAC103

Credits for CGPA calculation: **163**

[illegible]

RAWAC101	RAWE/Industrial Attachment/Experiential Learning /Hands-on Training/Project Work/Internship	Project	0	0	0	20	AEXAC201
INTAC201	Internship (applicable for UG-Certificate- Exit post I year /UG-Diploma- Exit post II year) (Experiential Learning/ Hands-on Training, Skill Development Training, RAWE, In-Plant Training/ Industrial Attachment and Students' Projects)	Project	0	0	0	10	None
Skill Enhancement Courses (SEC) - Any six courses; credits to be earned 12							
SECAC101	Biofertilizer and biopesticide production	Practical	0	0	4	2	None
SECAC102	Mushroom Production Technology	Practical	0	0	4	2	None
SECAC103	Soil, Plant and Water Testing	Practical	0	0	4	2	None
SECAC104	Poultry Production Technology	Practical	0	0	4	2	None
SECAC105	Piggery Production Technology	Practical	0	0	4	2	None
SECAC106	Commercial Horticulture	Practical	0	0	4	2	None
SECAC107	Commercial Sericulture	Practical	0	0	4	2	None
SECAC108	Video Production	Practical	0	0	4	2	None
SECAC201	Production Technology of Bioagents	Practical	0	0	4	2	None
SECAC202	Seed Production and Testing Technology	Practical	0	0	4	2	None
SECAC203	Post-harvest Processing Technology	Practical	0	0	4	2	None
SECAC204	Beneficial Insect Farming	Practical	0	0	4	2	None
SECAC205	Plantation Crop Production and Processing	Practical	0	0	4	2	None
SECAC206	Floriculture and Landscaping	Practical	0	0	4	2	None
SECAC207	Food Processing	Practical	0	0	4	2	None

SECAC208	Agriculture Waste Management	Practical	0	0	4	2	None
SECAC209	Organic Production Technology	Practical	0	0	4	2	None
Agronomy - credits to be earned 22							
AGRAC101	Fundamentals of Agronomy	Embedded T & L	2	0	2	3	None
AGRAC102	Farming based livelihood systems	Embedded T & L	2	0	2	3	None
AGRAC201	Crop Production Technology-I (<i>Kharif</i> Crops)	Embedded T & L	1	0	4	3	AGRAC101
AGRAC202	Crop Production Technology-II (<i>Rabi</i> Crops)	Embedded T & L	1	0	4	3	AGRAC101
AGRAC203	Water Management	Embedded T & L	1	0	2	2	AGRAC101
AGRAC204	Principles and Practices of Natural Farming	Embedded T & L	1	0	2	2	AGRAC101
AGRAC301	Weed Management	Embedded T & L	1	0	2	2	AGRAC101
AGRAC302	Introductory Agro forestry	Embedded T & L	1	0	2	2	None
AGRAC303	Dryland agriculture/ Rainfed agriculture and watershed management	Embedded T & L	1	0	2	2	AGRAC101
Genetics & Plant Breeding - credits to be earned 12							
GPBAC201	Principles of Genetics	Embedded T & L	2	0	2	3	None
GPBAC202	Basics of Plant Breeding	Embedded T & L	2	0	2	3	None
GPBAC301	Crop Improvement (<i>Kharif</i> crops) - I	Embedded T & L	1	0	2	2	GPBAC202
GPBAC302	Crop Improvement (<i>Rabi</i> crops)- II	Embedded T & L	1	0	2	2	GPBAC202
GPBAC303	Fundamentals of Seed Science and Technology	Embedded T & L	1	0	2	2	None
Soil Science - credits to be earned 8							
SACAC101	Fundamentals of Soil Science	Embedded T & L	2	0	2	3	None
SACAC102	Soil Fertility Management	Embedded T & L	2	0	2	3	None

SACAC201	Problematic Soils and their management	Embedded T & L	1	0	2	2	SACAC101
Entomology - credits to be earned 6							
AENAC101	Fundamentals of Entomology	Embedded T & L	2	0	2	3	None
AENAC301	Pest management in Crops and Stored Grains	Embedded T & L	2	0	2	3	AENAC101
Agricultural Economics - credits to be earned 10							
AECAC201	Entrepreneurship Development and Business Communication	Embedded T & L	2	0	2	3	None
AECAC202	Principles of Agricultural Economics and Farm Management	Theory	2	0	0	2	None
AECAC301	Agricultural Marketing and Trade	Embedded T & L	2	0	2	3	AECAC202
AECAC302	Agricultural Finance & Cooperation	Embedded T & L	1	0	2	2	AECAC202
Agricultural Engineering - credits to be earned 4							
AEGAC201	Farm Machinery and Power	Embedded T & L	1	0	2	2	None
AEGAC301	Renewable energy in Agriculture and Allied Sector	Embedded T & L	1	0	2	2	AEGAC201
Plant Pathology - credits to be earned 8							
PATAC101	Fundamentals of Plant Pathology	Embedded T & L	2	0	2	3	None
PATAC301	Diseases of Field & Horticultural Crops & their Management	Embedded T & L	2	0	2	3	PATAC101
PATAC302	Agricultural Microbiology and Phyto-remediation	Embedded T & L	1	0	2	2	None
Horticulture - credits to be earned 9							
HORAC101	Fundamentals of Horticulture	Embedded T & L	2	0	2	3	None
HORAC201	Production Technology of Fruit and Plantation Crops	Embedded T & L	1	0	2	2	HORAC101

HORAC202	Production Technology of Vegetables and Spices	Embedded T & L	1	0	2	2	HORAC101
HORAC301	Ornamental Crops, MAPs, and Landscaping	Embedded T & L	1	0	2	2	HORAC101
Agricultural Meteorology - credits to be earned 5							
AMTAC101	Environmental Studies and Disaster management	Embedded T & L	2	0	2	3	None
AMTAC301	Introduction to Agro-meteorology	Embedded T & L	1	0	2	2	None
Extension Education - credits to be earned 8							
AEXAC101	Rural Sociology and Educational Psychology	Theory	2	0	0	2	None
AEXAC102	Communication skills	Embedded T & L	1	0	2	2	None
AEXAC103	Personality development	Embedded T & L	1	0	2	2	None
AEXAC201	Fundamentals of Extension Education	Embedded T & L	1	0	2	2	None
Nematology, Biochemistry, Crop physiology, Animal Husbandry & Agricultural Biotechnology - 13 credits							
NEMAC201	Fundamentals of Nematology	Embedded T & L	1	0	2	2	None
BICAC301	Essentials of Plant Biochemistry	Embedded T & L	2	0	2	3	None
CRPAC301	Fundamentals of Crop Physiology	Embedded T & L	2	0	2	3	None
LPMAC101	Livestock and poultry Management	Embedded T & L	1	0	2	2	None
ABTAC301	Fundamentals of Agricultural Biotechnology	Embedded T & L	2	0	2	3	None
Agricultural Statistics - credits to be earned 6							
STAAC201	Agricultural Informatics and Artificial Intelligence	Embedded T & L	2	0	2	3	None
STAAC301	Basic and Applied Agricultural Statistics	Embedded T & L	2	0	2	3	None

Course Code	Course Title	Course Type	L	T	P	C	Prerequisite
Programme Electives - Any five courses; credits to be earned 20							

AECAC401	Agri-Business Management	Embedded T & L	3	0	2	4	AECAC201
AEGAC401	Management of natural resources	Embedded T & L	3	0	2	4	None
SACAC401	Agrochemicals	Embedded T & L	3	0	2	4	None
AEXAC401	Agricultural Journalism	Embedded T & L	3	0	2	4	None
HORAC401	Landscaping	Embedded T & L	3	0	2	4	HORAC101
GPBAC401	Commercial Plant breeding	Embedded T & L	3	0	2	4	GPBAC202
FSNAC401	Food safety and standards	Embedded T & L	3	0	2	4	BICAC301
AENAC401	Bioformulation and Nano formulation	Embedded T & L	3	0	2	4	None
PATAC401	Biopesticides and Biofertilizers	Embedded T & L	3	0	2	4	None
AMTAC401	System Simulation and Agro advisory	Embedded T & L	3	0	2	4	None
HORAC402	Hi-tech Horticulture	Embedded T & L	3	0	2	4	HORAC101
HORAC403	Protected cultivation	Embedded T & L	3	0	2	4	HORAC101
AGRAC401	Climate Resilient Agriculture	Embedded T & L	3	0	2	4	AGRAC101
ABTAC401	Biotechnology of Crop Improvement	Embedded T & L	3	0	2	4	ABTAC301
AEGAC402	Geoinformatics and Remote Sensing, precision farming	Embedded T & L	3	0	2	4	None
ABTAC402	Micro-propagation Technologies	Embedded T & L	3	0	2	4	ABTAC301
GPBAC402	Commercial Seed Production	Embedded T & L	3	0	2	4	GPBAC303
AGRAC402	Principles and Practices of Organic Farming/ Conservation Agriculture	Embedded T & L	3	0	2	4	AGRAC101
FSNAC402	Food Science and Nutrition	Embedded T & L	3	0	2	4	BICAC301
FSNAC403	Post-Harvest Technology and Value Addition	Embedded T & L	3	0	2	4	BICAC301