

Master of Vocational (M.Voc.) Program on Applied and Economic Zoology with Entrepreneurship

Name of the course	M.Voc. Applied and Economic Zoology with Entrepreneurship
Type of course	Master of Vocation
Field	Life Sciences
Duration	2 years
Eligibility	Completed relevant B.Voc. or Bachelor's Degree course
No. Of seats	30
Affiliation	UGC-National Skill Qualification Framework

Course Intent

The course is crafted in such a way that students are able to acquire skills and knowledge in the applied and economic concepts in aquaculture, apiculture, sericulture, lac culture, heliculture, meat science, mud crab culture, goat and sheep farming, vermicomposting, piggery, dairy and poultry farming disciplines of life sciences, provides ability to create new perspectives to different processes including the new technologies thus further increasing confidence of learners in industry practices with corporate ethics.

Course Content and Structure

The whole course has been allocated 120 credits and will consist of 4 Foundation courses, 14 core courses, 8 specialized courses and 2 open elective courses. The entire PG programme will have 72 credits for core courses, 36 credits for specialized courses, and 2 credits each for fundamental and open elective courses with a total of 12 credits. There will be a minor project with 4 credits for duration of 3 months in I-III semesters and a major project based on specialized courses of ten credits during the fourth semester.

Each credit value for theory, tutorial and practical component shall be as defined in CBCS regulations (2012) of Mizoram University.

NSQF Level	Skill Component Credits	General Education Credits	Total Credits for Award	Normal Duration	Awards
9	76	44	120	2 years	M.Voc. degree

In the syllabus course 60% weight is given to skill development components and 40% weight to general education component.

Course Structure of M.Voc. Applied and Economic Zoology with Entrepreneurship

Semester	Course Code	Name of Course	Type of course	Credit distribution			Total Credits	Estimated Hours
				L	T	P		
FIRST SEMESTER: 30 CREDITS (Foundation Courses = 4 Credits; Core Course = 26 Credits including internship)								
1 SEMESTER	MVOCAZ/1/FC/01	Heliciculture	FC	1	0	1	2	30
	MVOCAZ/1/FC/02	Meat, Fish and Poultry Processing Technology	FC	1	0	1	2	30
	MVOCAZ/1/CC/01	Bee Keeping and Management-I	CC	2	1	3	6	90
	MVOCAZ/1/CC/02	Bee Keeping and Management -II	CC	2	0	3	5	75
	MVOCAZ/1/CC/03	Sericulture-I	CC	2	1	3	6	90
	MVOCAZ/1/CC/04	Sericulture -II	CC	2	0	3	5	75
	MVOCAZ/1/CC/05	Internship Training & Short Term Project - I	CC	0	0	4	4	60
	Total credits and hours - I semester				10	2	18	30
SECOND SEMESTER: 30 CREDITS (Foundation Courses = 4 Credits; Core course = 24 Credits; Open elective = 2 Credits)								
2 SEMESTER	MVOCAZ/2/FC/03	Vermicomposting Technology	FC	1	0	1	2	30
	MVOCAZ/2/FC/04	Pig Farming	FC	1	0	1	2	30
	MVOCAZ/2/CC/06	Bee Keeping and Management - III	CC	2	0	3	5	75
	MVOCAZ/2/CC/07	Bee Keeping and Management - IV	CC	2	0	3	5	75
	MVOCAZ/2/CC/08	Sericulture - III	CC	2	0	3	5	75
	MVOCAZ/2/CC/09	Sericulture -IV	CC	2	0	3	5	75
	MVOCAZ/2/OE/01	Lac Culture	OE	1	0	1	2	30
	MVOCAZ/2/CC/10	Internship Training & Short Term Project - II	CC	0	0	4	4	60
	Total credits and hours - II semester				11	0	19	30
THIRD SEMESTER: 30 CREDITS (Core course = 12 Credits; Specialization Course = 16 Credits; Open elective = 2 Credits)								
3 SEMESTER	MVOCAZ/3/CC/11	Dairy Farming - I	CC	2	0	2	4	60
	MVOCAZ/3/CC/12	Dairy Farming - II	CC	2	0	2	4	60
	MVOCAZ/3/SC/01	Poultry Farming - I	SC	2	0	2	4	60
	MVOCAZ/3/SC/02	Poultry Farming - II	SC	2	0	2	4	60
	MVOCAZ/3/SC/03	Poultry Farming - III	SC	2	0	2	4	60
	MVOCAZ/3/SC/04	Mud Crab Culture	SC	2	0	2	4	60
	MVOCAZ/3/OE/02	Goat and Sheep Farming	OE	1	0	1	2	30
	MVOCAZ/3/CC/13	Internship Training & Short Term Project - III	CC	0	0	4	4	60
	Total credits and hours - III semester				13	0	17	30
FOURTH SEMESTER: 30 CREDITS (Core course = 10 Credits and Specialization Course = 20 Credits)								
4 SEMESTER	MVOCAZ/4/SC/05	Fish Farming - I	SC	2	0	3	5	75
	MVOCAZ/4/SC/06	Fish Farming - II	SC	2	0	3	5	75
	MVOCAZ/4/SC/07	Fish Farming - III	SC	2	0	3	5	75
	MVOCAZ/4/SC/08	Fish Farming - IV	SC	2	0	3	5	75
	MVOCAZ/4/CC/14	Dissertation	CC	0	0	10	10	150
	Total credits and hours - IV semester				8	0	22	30
Total Course Credits and Hours				42	2	76	120	1800

Learning Outcome

M.Voc. Applied and Economic Zoology with Entrepreneurship course enables the students to combine science with business skills, a key driver of employability.

Creating a stimulating environment for the academic growth of its students and provides them with a thorough understanding of a range of applied and entrepreneurial subjects.

This programme facilitates the learner to face the challenge of keeping pace with the latest trends, technologies and entrepreneurial skills on aquaculture, apiculture, sericulture, Lac culture, heliculture, meat science, mud crab culture, goat and sheep farming, vermicomposting, piggery, dairy and poultry farming practices.

Developed knowledge and understood farming practices at several levels from the gross root level to commercial venture perspectives.

To inculcate training & practical approach by using modern technology amongst the students in the field of life sciences

Conduct research through relevant methodology/farming practices and derive solutions and prepare a business plan and work with transforming technologies.