

# Programme Information

## Bachelor of Technical Education in Livestock Extension

### Purpose of the Program

The purpose of the Bachelor of Technical Education (B. Tech. Ed.) is to prepare individuals for careers in the private and public sector at the level of instructor, teacher, trainer or expert in technical subject areas.

### Goals of the Program

The program is designed to:

- Provide courses and content based on skills needed by instructors and trainers,
- Provide instructors and trainers who have a balance of occupational skills, the technological concepts underlying those skills, communications skills and instructional skills,
- Provide instructors and trainers who are equipped with the latest tools of information technology corresponding to their profession,
- Provide instructors and trainers that have the experiences of a real world of training instruction and research through supervised internship.

Use various components of Educational Research.

### Key Features of the Program

The proposed program will have the following Key features.

#### *Need based:*

Although there are number of technical schools and training institutions, no more institution is in Nepal except TITI to produce trained professionals i.e.; technical teachers or trainers.

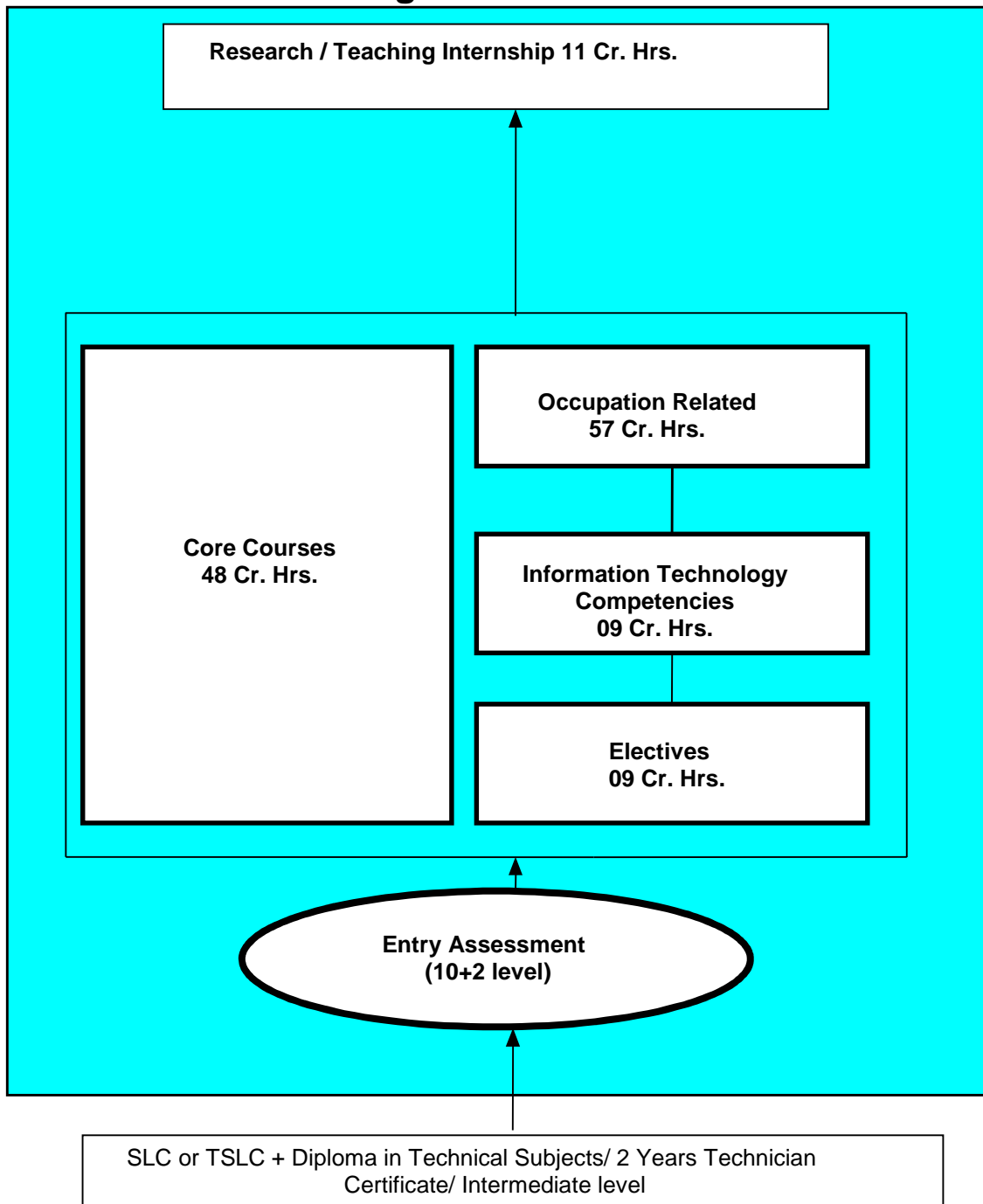
#### *Practice-based and skill oriented:*

The students will undergo intensive practical experience by literally undertaking tasks of assessing, designing, developing and delivering the courses of their own field. Besides, they will practice develop facilitation skills for different educational and decision making activities, undertake research project, develop materials using ICT facility. Moreover, they will undergo teaching internship to develop in real life situation.

### Program Structure

The program consists of five different areas. Students can take courses from any area on modular basis at different times. The total program has been divided into eight semesters. Total credit hours of the program are 134. At the end of each semester, there will be a semester exam. The total duration to complete the program, however, must not exceed seven years or according to KU rule. At the end of the program, every student is required to take a comprehensive examination administered by Kathmandu University. Graduates of this program are eligible to master level studies in related areas.

# Bachelor of Technical Education Program Structure



## **Entry Requirements**

The minimum prerequisite for this program is a 2 years Technician Certificate, Intermediate, or Diploma in related Technical subjects. The details are-

- PCL equivalent diploma or an intermediate in related technical subject ( $\geq$  2nd division) from a recognized institute with SLC ( $\geq$  2nd division); or
- A two year technician certificate ( $\geq$  70%) from a recognized institute in related technical subjects with SLC ( $\geq$  2nd division); or
- An intermediate level in a related technical subject ( $\geq$  2nd division) from a recognized institute with TSLC ( $\geq$  70%); or
- A 2-year technician certificate in related technical subject from a recognized institute ( $\geq$  70%) with TSLC ( $\geq$  70%).

*General Educational Knowledge test:* This is a written objective test to assess the applicant's knowledge in Mathematics, Science and English corresponding to intermediate/10+2 levels.

*Oral assessment (test):* This assessment focuses on the applicant's aptitude, related work experience, career goals, personal presentation skills and financial support.

## **Occupational Knowledge and Skill (OKS)**

To prepare students as qualified technicians and experts in their respective occupational areas, existing eight occupational related modules have been revised, updated and expanded to 15 modules.

## **Transfer of Credit**

Courses may be transferred from other institutions if, according to the Subject Committee, the course is of a similar nature and quality and leads to similar learning outcomes. Regardless of the amount of credit transferred, the individual is required to take a minimum of 15 courses at the institute for this Program. There will be no fee relaxation for those who transfer credit from outside.

Course Detail: (B. TECH. ED. LIVESTOCK EXTENSION)

<b>Program:</b> B. Tec. Ed. Livestock Extension		
<b>School/ Individual:</b>		
<b>Area I - Occupation Related</b>	<b>Transfer Course Title</b>	<b>Credit Hours</b>
<b>Occupational Knowledge &amp; Skills (OKS) [16 courses] for B. Tech. Ed. (Livestock Extension)</b>		<b>40+17*</b>
EDLS201 Biochemistry		2+1*
EDLS202 Introduction to animal husbandry		3+2*
EDLS203 Aquaculture		1+1*
EDLS204 Introduction to Dairy Science		2+1*
EDLS205 Animal Nutrition, Forage and Fodder Production		3+2*
EDLS206 Animal Health I – Anatomy and Physiology		3+1*
EDLS207 Livestock Production (Ruminant)		3+1*
EDLS301 Animal Health II – Epidemiology, Diagnosis, Preventive Medicine and Surgery		3+1*
EDLS302 Swine and Poultry Production		3+1*
EDLS303 Animal Product Processing and Marketing		2+1*
EDLS304 Genetics and Animal Breeding		3+1*
EDLS305 Animal Reproduction and Bio-technology		2+1*
EDLS306 Livestock Extension and Sociology		2+1*
EDLS401 Economics and Farm Business Management		3+1*
EDLS402 Animal Health III – Diseases Control, Internal Medicine and Pharmacology		3+1*
EDLS403 Animal Welfare, Bio-diversity, and Wildlife Conservation		2+0
<b>Area II– Core Courses (13 Courses)</b>		<b>40+8</b>
<b>Communication Skills (CS) [ 2 Courses]</b>		<b>6 +0</b>
EDEL101 General English –I		3+0
EDEL102 General English –II		3+0
<b>General Education Skills (GES) [7 Courses]</b>		<b>20+3*</b>
EDUC101 Foundation of Education		3+0
EDTE103 Applied Science – Biology/Physic and Math		2+1*
EDTE107 Basic/Rural Technology Course		3+0
EDUC201 Human Development and Learning		3+0

EDUC301 Curriculum and Evaluation		3+0
EDTE301 TEVT Development and Planning		3+0
EDTE402 Enterprise Development		3+2*
<b>Instructional Skills (IS) [3 Course]</b>		<b>6+3*</b>
EDTE103 Instructional Skills-1		2+1*
EDTE104 Instructional Skills-2		2+1*
EDTE106 Instructional Skills-3		2+1*
<b>Occupational Instructional Skills (OIS) [1 Course]</b>		<b>2+2*</b>
EDTE401 OIS Project Works		2+2*
<b>Area III– Electives Courses [3 Courses]</b>		<b>6+3*</b>
ED**20* Elective 1	(IMD, TNA, LAE, FM, EP, TCD, M, P, GP)	2+1*
ED**30* Elective 2		2+1*
ED**30* Elective 3		2+1*
<b>Area IV– Information Technology Competencies [3 Courses]</b>		<b>9+0</b>
EDTE101 Computer Application – 1		3+0
EDTE105 Computer Application – 2		3+0
EDTE201 Computer Application – 3		3+0
<b>Area V–Research / Teaching Internship [4 Courses]</b>		<b>5+6*</b>
EDTE402 Basic Statistics		2+0
EDTE403 Introduction to Research		3+0
EDTE441 Teaching Internship (1 Course)		0+3*
EDTE442 Research Internship (1 Course)		0+3*

**Note:**

\* Practical, Total courses: 39, Total credit hours: 134

EDTE202: Instructional Media Development, EDTE203: Training Needs Assessment, EDTE204: Learners Assessment and Evaluation, EDLS208: Microbiology, EDTE 302: Facilitation and Moderation, EDTE 303: Environmental protection, EDTE 304: Training Course Design, EDLS 307: Parasitology, EDLS 308: General Pathology