

Program Information

Bachelor of Technical Education in Agriculture

TITI is running the Bachelor of Technical Education (B. Tech. Ed.) Program affiliated to Kathmandu University (KU). This is a 4-year bachelor degree program.

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

This 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.

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 148. 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 KU.

Graduates of this program are eligible to master level studies in related areas.

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.

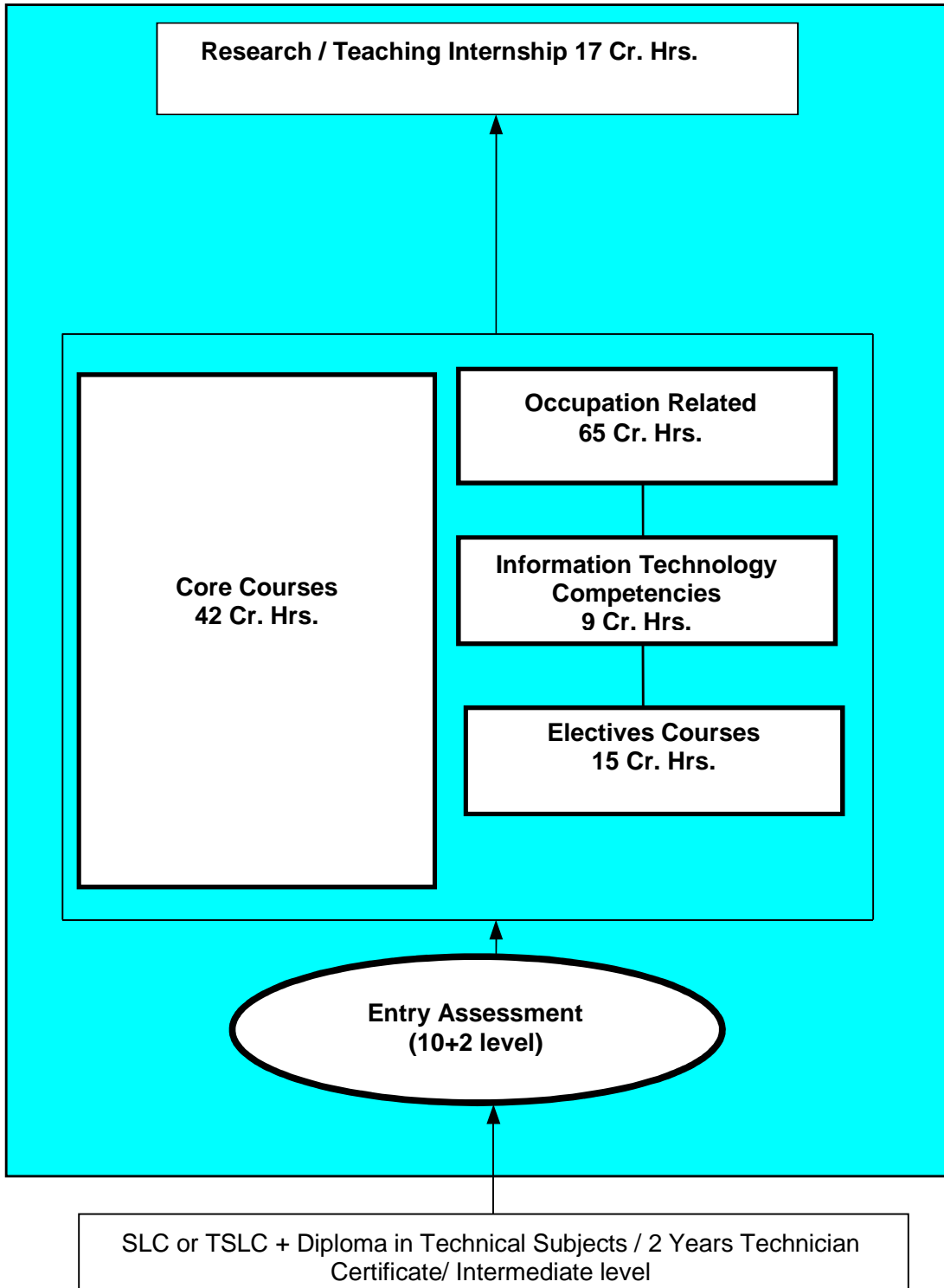
Occupational Knowledge and Skill (OKS)

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.

Bachelor of Technical Education Program Structure



Course Details

Program: B. Tec. Ed. (Agriculture)		
School/ Individual:		
Area I - Occupation Related Occupational Knowledge & Skills (OKS) [18 courses]	Transfer Course Title	Credit Hour 43+22*
Soil Science and Plant Nutrients Management		3+1*
Introductory Agronomy		2+1*
Introductory Horticulture		2+1*
Introductory Plant Protection		2+1*
Agriculture Extension and Sociology		3+1*
Farm Power and Machinery		1+1*
Genetics and Plant Breeding		3+1*
Biochemistry and Plant Physiology		3+1*
Principal and Practices of Seed Production Technology		2+1*
Organic Agriculture and Plantation Crop		1+1*
Insect Pest and Disease Management		3+2*
Commercial Field Crop Production		3+2*
Commercial Fruit Crop Production		3+2*
Commercial Vegetable and Spice Crop Production		3+1*
Agriculture Economics and Farm Business Management		3+2*
Post-Harvest and Processing		2+1*
Industrial Entomology and Mushroom Cultivation		2+1*
Ornamental Horticulture and Land Scaping		2+1*
Area II- Core Courses (14 Courses)		42+15
Communication Skills (CS) [2 Courses]		
Intermediate Level English Skills		2+0
Advanced Level English Skills		2+0
General Education Skills (GES) [5 Courses]		
Applied Science – Biology and Math		3+1*
Basic/Rural Technology Course		3+0
Foundation of Education and Learning		4+0
TEVT Development and Planning		3+0
Enterprise Development		3+2*
Occupational Instructional Skills (OIS) [1 Courses]		
OIS Project Works		4+0
Instructional Skills (IS) [3 Courses]		
Instructional – 1		3+2*
Instructional – 2		3+2*
Instructional – 3		3+2*
Electives [3 Courses]		
Elective 1		3+2*
Elective 2		3+2*

Elective 3 From IMD, TNA, LAE, FM, EP, TCD		3+2*
Area III- Information Technology Competencies [3 Courses]		9+0
Computer Application – 1		3+0
Computer Application – 2		3+0
Computer Application – 3		3+0
Area IV-Research / Teaching Internship [6 Courses]		5+12*
Introduction to Research		3+0
Basic Statistics		2+0
Research Internship (2 Courses)		0+6*
Teaching Internship (2 Courses)		0+6*