PAU Ludhiana Courses

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Punjab Agricultural University (PAU), located in Ludhiana, Punjab, is a leading institution for agricultural education in India. For the 2026 academic year, PAU offers a wide range of courses designed to equip students with practical skills and knowledge in agriculture, technology, and related fields, with durations ranging from 2 to 6 years. Seat intakes vary by course, typically from 40 to 100, ensuring quality education. Admissions are based on entrance exams like PAU CET for UG and MET for PG, followed by counselling.

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Punjab Agricultural University UG Courses

Punjab Agricultural University undergraduate courses for 2026 provide foundational knowledge in agriculture and allied sciences. These programs are ideal for Indian students after 10+2, emphasizing hands-on training, field work, and industry exposure. With affordable fees and scholarships, they lead to high-demand jobs in farming, biotech, and food sectors.

- **Variety of Programs**: Over 9 UG courses in agriculture, engineering, and management.
- **Duration**: Mostly 4 years.
- **Seat Intakes**: 40-100 per program.
- **Admission Details**: Through PAU CET, counselling in June-July 2026.

Punjab Agricultural University B.Sc. (Hons) Agriculture

This flagship program at Punjab Agricultural University focuses on modern farming techniques and crop management.

- **Course Duration**: 4 years.
- **Program Highlights (Specialisations)**: Crop production, soil science, plant protection.
- **Eligibility Requirements**: 10+2 with Physics, Chemistry, Biology/Mathematics/Agriculture (minimum 50% aggregate).
- **Admission Through**: PAU CET entrance exam and counselling.

Punjab Agricultural University B.Tech. Agricultural Engineering

Punjab Agricultural University B.Tech. Agricultural Engineering teaches machinery and irrigation systems for efficient farming.

- **Course Duration**: 4 years.
- **Program Highlights (Specialisations)**: Farm machinery, soil and water engineering.
- **Eligibility Requirements**: 10+2 with Physics, Chemistry, Mathematics (minimum 50% aggregate).
- **Admission Through**: PAU CET or JEE Main, followed by counselling.

Punjab Agricultural University B.Sc. (Hons) Horticulture

Explore fruit, vegetable, and flower cultivation in this Punjab Agricultural University course.

- **Course Duration**: 4 years.
- **Program Highlights (Specialisations)**: Fruit science, vegetable science, floriculture.
- **Eligibility Requirements**: 10+2 with Physics, Chemistry, Biology/Agriculture (minimum 50% aggregate).
- **Admission Through**: PAU CET and university counselling.

Punjab Agricultural University B.Tech. Biotechnology

Punjab Agricultural University B.Tech. Biotechnology combines biology and technology for agricultural advancements.

- **Course Duration**: 4 years.
- **Program Highlights (Specialisations)**: Genetic engineering, bioinformatics.
- **Eligibility Requirements**: 10+2 with Physics, Chemistry, Biology/Mathematics (minimum 50% aggregate).
- **Admission Through**: PAU CET entrance test.

Punjab Agricultural University B.Tech. Food Technology

Learn food processing and safety in Punjab Agricultural University B.Tech. Food Technology.

- **Course Duration**: 4 years.
- **Program Highlights (Specialisations)**: Food engineering, quality control.
- **Eligibility Requirements**: 10+2 with Physics, Chemistry, Biology/Mathematics (minimum 50% aggregate).
- **Admission Through**: PAU CET and counselling.

Punjab Agricultural University B.Sc. (Hons) Nutrition and Dietetics

Punjab Agricultural University B.Sc. (Hons) Nutrition and Dietetics covers health and food nutrition.

- **Course Duration**: 4 years.
- **Program Highlights (Specialisations)**: Clinical nutrition, community nutrition.
- **Eligibility Requirements**: 10+2 with Physics, Chemistry, Biology/Home Science (minimum 50% aggregate).
- **Admission Through**: PAU CET.

Punjab Agricultural University B.Sc. (Hons) Community Science

This Punjab Agricultural University program focuses on home and community management.

- **Course Duration**: 4 years.
- **Program Highlights (Specialisations)**: Family resource management, human development.
- **Eligibility Requirements**: 10+2 in any stream with 50% aggregate.
- **Admission Through**: Merit-based or PAU CET.

Punjab Agricultural University B.Sc. (Hons) Agribusiness Management

Punjab Agricultural University B.Sc. (Hons) Agribusiness Management prepares for business in agriculture.

- **Course Duration**: 4 years.
- **Program Highlights (Specialisations)**: Marketing, finance in agribusiness.
- **Eligibility Requirements**: 10+2 with Physics, Chemistry, Biology/Mathematics (minimum 50% aggregate).
- **Admission Through**: PAU CET.

Punjab Agricultural University B.Sc. (Hons) Fashion Designing

Design sustainable fashion with an agricultural twist at Punjab Agricultural University.

- **Course Duration**: 4 years.

- **Program Highlights (Specialisations)**: Textile design, apparel construction.
- **Eligibility Requirements**: 10+2 in any stream (minimum 50% aggregate).
- **Admission Through**: Merit-based counselling.

Educational Programmes offered (PG / UG / Ph. D/Diploma): The Punjab Agricultural University offers 84 academic programmes, out of which, 9 are undergraduate programmes, 44 Masters' programmes, 29 Ph. D programmes and 2 Diploma Course.

COLLEGE OF AGRICULTURE:

Undergraduate Programmes

- B.Sc. (Hons) Agriculture 4-year
- B.Tech. (Biotechnology) 4-year*
- B.Tech. (Food Technology) 4-year*
- B.Sc. (Hons) Agriculture 2+4 year at Institute of Agriculture, Bathinda and Gurdaspur

Masters' Programmes

- Agricultural Meteorology
- Agronomy
- Biotechnology
- Entomology
- Extension Education
- Food Technology
- Plant Breeding and Genetics
- Plant Pathology
- Soil Science

Ph.D Programmes

- Agricultural Meteorology
- Agronomy
- Biotechnology
- Entomology
- Extension Education
- Food Technology
- Plant Breeding and Genetics
- Plant Pathology
- Soil Science

Diploma Course

- Diploma in Agriculture 2-year at
- PAU, Ludhiana
- Regional Research Station, Faridkot
- Diploma Course in Hybrid Seed Production Technology 1-yearHybrid Seed Production Technology

PAU COLLEGE OF AGRICULTURE BALLOWAL SAUNKRI

- B.Sc. (Hons) Agriculture 4-year

COLLEGE OF HORTICULTURE & FORESTRY

Undergraduate Programmes:

- • B.Sc. (Hons) Horticulture 4-year

Masters' Programmes

- Horticulture (Fruit Science)
- Horticulture (Vegetable Science)
- Horticulture (Floriculture & Landscaping)
- Forestry

Ph.D Programmes

- Horticulture (Fruit Science)
- Horticulture (Vegetable Science)
- Horticulture (Floriculture & Landscaping)

COLLEGE OF AGRICULTURAL ENGINEERING AND TECHNOLOGY

Undergraduate Programmes:

- B.Tech (Agril. Engg.) 4-year

Masters' Programmes (M.T ech)

- Civil Engineering (Hydrology and Water Resources Engineering/ Structural Engineering)
- Computer Science and Engineering
- Farm Machinery and Power Engineering
- Computer Applications 3-year*and 2-year*lateral entry
- Processing and Food Engineering
- Remote Sensing and Geographic Information System**
- Soil and Water Engineering

Ph.D Programmes

- Energy Sciences and Technology
- Farm Machinery and Power Engineering
- Processing and Food Engineering
- Soil and Water Engineering

COLLEGE OF BASIC SCIENCES AND HUMANITIES

Masters' Programmes

- B.Sc. (Hons) Agribusiness Management 4-year*

5-year Integrated M.Sc (Hons.)*

- Biochemistry

- Botany
- Chemistry
- Microbiology
- Zoology
- Physics

Masters' Programmes

- Agricultural Economics
- Business Administration (Agribusiness)
- Business Administration
- Biochemistry
- Botany
- Chemistry
- Journalism & Mass Communication
- Microbiology
- Mathematics
- Physics
- Sociology
- Statistics
- Zoology

5-year Integrated M.Sc. (Hons)* in

- Biochemistry
- Botany
- Chemistry
- Microbiology
- Physics
- Zoology

Ph.D Programmes

- Agricultural Economics
- Biochemistry
- Botany
- Business Administration
- Chemistry
- Microbiology
- Sociology
- Zoology

COLLEGE OF COMMUNITY SCIENCE

Undergraduate Programmes

- B.Sc. (Hons) Community Science 4-year
- B.Sc. (Hons) Nutrition & Dietetics 4-year*

Masters' Programmes

- Apparel and Textile Science
- Family Resource Management
- Food and Nutrition
- Extension Education and Communication Management
- Human Development and Family Studies

Ph.D Programmes

- Apparel and Textile Science
- Family Resource Management
- Food and Nutrition
- Extension Education and Communication Management
- Human Development and Family Studies

(*Self Supporting Programmes,In collaboration with Punjab Remote Sensing Centre.)**

Major Area of Research:

- Enhancing crop productivity and quality through:
- Accelerating breeding using Doubled Haploid Technology in wheat, maize, rice and vegetable crops.
- Application of biotechnology and marker assisted selection in field and perennial crops for precision breeding.
- Resistance/tolerance to biotic and abiotic stresses.
- Climate resilient varieties tolerant to climate aberrations.
- Increasing input use efficiency, conservation of soil and water resources, and use of biofertilizers.
- Cropping systems for crop diversification.
- Integrated management of pests, diseases, weeds and promoting use of bioagents.
- Developing farm machinery for precision and cost-effective agriculture such as sugarcane harvester, cotton picker, pea harvester, etc.
- Agro/food processing, particularly, of vegetables and fruits.
- Generation of bio-energy from crop residues.
- Use of solar energy in agriculture.
- Participatory research involving farmers, functionaries and end-users.
- Producing high quality seed and plant saplings of fruits and forest trees.

Highlights of Extension Education Activities-(Including Number of KVKs, Training Programmes/Certificate Courses etc.)

- The University undertakes the transfer of improved agricultural technologies among the farmers and extension functionaries through 15 Farm Advisory Service Centres (FASC) and 18 Krishi Vigyan Kendras(KVKs) located at different district headquarters in Punjab and various departments; Agricultural Technology Information Centre (ATIC); and Advanced Centre of Training at Kairon Kisan Ghar (KKG) on the main campus. These Centres transfer the

technologies through various extension modes like Kisan Melas, field days, workshops, adaptive research trials, on farm trials, demonstrations, trainings (short, vocational and in-service), skill development courses, exhibitions, camps, campaigns, technical guidance, TV/radio talks, kisan club/committees meetings, agricultural publications and sale of farm literature.

- More than 1,600 training programmes are organized for the farmers, farm women, rural youth and extension functionaries to enhance their knowledge for increasing agricultural productivity and profitability.
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Program Name	Duration	Eligibility	Selection Criteria
B.Sc. (Hons) Agriculture	4 years	10+2 with PCM/B/Agriculture (50%)	PAU CET
B.Tech. Agricultural Engineering	4 years	10+2 with PCM (50%)	PAU CET/JEE Main
B.Sc. (Hons) Horticulture	4 years	10+2 with PCM/B/Agriculture (50%)	PAU CET
B.Tech. Biotechnology	4 years	10+2 with PCM/B (50%)	PAU CET
B.Tech. Food Technology	4 years	10+2 with PCM/B (50%)	PAU CET
B.Sc. (Hons) Nutrition and Dietetics	4 years	10+2 with PCM/B/Home Science (50%)	PAU CET
B.Sc. (Hons) Community Science	4 years	10+2 any stream (50%)	Merit/PAU CET
B.Sc. (Hons) Agribusiness Management	4 years	10+2 with PCM/B (50%)	PAU CET
B.Sc. (Hons) Fashion Designing	4 years	10+2 any stream (50%)	Merit-based

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Punjab Agricultural University PG Courses

Punjab Agricultural University postgraduate programs for 2026 build advanced expertise for research and leadership roles. These courses include internships with industry partners like ICAR and agrotech firms, boosting employability.

- **Variety of Programs**: Over 30 PG options in science, management, and technology.
- **Duration**: Mostly 2 years.

- **Seat Intakes**: 20-50 per program.
- **Admission Details**: Through MET entrance exams in July 2026.

Punjab Agricultural University M.Sc. Agronomy

Advance your knowledge in crop production at Punjab Agricultural University.

- **Course Duration**: 2 years.
- **Program Highlights (Specialisations)**: Weed management, crop physiology.
- **Eligibility Requirements**: B.Sc. Agriculture (minimum 60% aggregate).
- **Admission Through**: MET-Agri and counselling.

Punjab Agricultural University M.Sc. Soil Science

Study soil health and fertility in this Punjab Agricultural University program.

- **Course Duration**: 2 years.
- **Program Highlights (Specialisations)**: Soil chemistry, microbiology.
- **Eligibility Requirements**: B.Sc. Agriculture (60%).
- **Admission Through**: MET-Agri.

Punjab Agricultural University M.Sc. Plant Breeding and Genetics

Punjab Agricultural University M.Sc. Plant Breeding and Genetics focuses on crop improvement.

- **Course Duration**: 2 years.
- **Program Highlights (Specialisations)**: Genetics, biotechnology.
- **Eligibility Requirements**: B.Sc. Agriculture/Horticulture (60%).
- **Admission Through**: MET-Agri.

Punjab Agricultural University M.Sc. Entomology

Learn pest management at Punjab Agricultural University.

- **Course Duration**: 2 years.
- **Program Highlights (Specialisations)**: Insect ecology, pest control.
- **Eligibility Requirements**: B.Sc. Agriculture (60%).
- **Admission Through**: MET-Agri.

Punjab Agricultural University M.Sc. Agricultural Economics

Punjab Agricultural University M.Sc. Agricultural Economics covers farm economics.

- **Course Duration**: 2 years.
- **Program Highlights (Specialisations)**: Policy, marketing.
- **Eligibility Requirements**: B.Sc. Agriculture (60%).
- **Admission Through**: MET-Agri.

Punjab Agricultural University MBA Agribusiness

Manage agribusiness ventures with Punjab Agricultural University MBA.

- **Course Duration**: 2 years.
- **Program Highlights (Specialisations)**: Supply chain, finance.
- **Eligibility Requirements**: Graduation in any discipline (50%).
- **Admission Through**: CUET PG or university test.

Punjab Agricultural University M.Tech. Food Processing Technology

Innovate in food tech at Punjab Agricultural University.

- **Course Duration**: 2 years.
- **Program Highlights (Specialisations)**: Processing, packaging.
- **Eligibility Requirements**: B.Tech. Food Tech/Agriculture (60%).
- **Admission Through**: MET.

Punjab Agricultural University M.Sc. Agricultural Extension Education

Promote rural development through Punjab Agricultural University program.

- **Course Duration**: 2 years.
- **Program Highlights (Specialisations)**: Communication, extension methods.
- **Eligibility Requirements**: B.Sc. Agriculture (60%).
- **Admission Through**: MET-Agri.

Program Name	Duration	Eligibility	Selection Criteria
M.Sc. Agronomy	2 years	B.Sc. Agriculture (60%)	MET-Agri
M.Sc. Soil Science	2 years	B.Sc. Agriculture (60%)	MET-Agri
M.Sc. Plant Breeding and Genetics	2 years	B.Sc. Agriculture/Horticulture (60%)	MET-Agri
M.Sc. Entomology	2 years	B.Sc. Agriculture (60%)	MET-Agri
M.Sc. Agricultural Economics	2 years	B.Sc. Agriculture (60%)	MET-Agri
MBA Agribusiness	2 years	Graduation (50%)	CUET PG
M.Tech. Food Processing Technology	2 years	B.Tech. relevant (60%)	MET
M.Sc. Agricultural Extension Education	2 years	B.Sc. Agriculture (60%)	MET-Agri

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