

**New Study Program**

# Smart Agriculture of IPB University



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## Description

- ✓ Establishing the Smart Agriculture study program is a strategic move of IPB University in response to the current development of the agricultural sector in the industrial revolution 4.0 era.
- ✓ In line with the 2028 vision, IPB University is dedicated to educating quality human resources who master advanced technology to develop smart and precise agriculture production from input to output. After completing the program, the graduates can plan, design, and apply an innovative smart agricultural production system.
- ✓ The bachelor's program in Smart Agriculture applies international education standards in the field of precision and intelligent agriculture to oversee agricultural transformation and accelerate the diffusion of technology to society.
- ✓ The courses in this program are delivered in English, and the students will get international exposure throughout the 4-year learning period.
- ✓ IPB University's current resources and international networks fully support the program.

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## Curriculum

Following IPB University's K2020 Curriculum framework, the program offers a robust and flexible curriculum that allows students to engage in the learning process and design their own success. The curriculum is designed to achieve the expected learning outcomes. It is to introduce corporate-scale smart agriculture that is sustainable and adaptive to climate change. The course covers a basic understanding of agricultural science and the use of IoT (Internet of Things), instrumentation, automation, spatial science, and other relevant tools.

## Core Competence of the Graduates

The core competence of the graduates is implementing wall-to-wall systems, from planning, designing, and constructing to managing agricultural production, including post-harvest and marketing issues, through the use of sensing and geospatial technologies, as well as artificial intelligence (AI) in agriculture.

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## Student Recruitment

- ◆ The program is open to Indonesian citizens and foreigners who meet the following requirements:
  - ◆ Completing high school level, proofed by the official High school academic report/transcript
  - ◆ Good English skills, (the score of TOEFL ITP  $\geq$  500 or TOEFL Ibt  $\geq$  61 or TOEFL CBT  $\geq$  173 or TOEIC  $\geq$  575 or IELTS  $\geq$  5.5 or Duolingo English test score  $\geq$  90)-
  - ◆ A letter of motivation
  - ◆ A letter of parental commitment or proof of scholarship
  - ◆ Prospective international students need to attach a health certificate.
  - ◆ Passed IPB University entrance exam.



## Registration Link:

<https://pendaftaran.admisi.ipb.ac.id/Account/Login>

## HOTLINE

<https://halo.admisi.ipb.ac.id>

## More Information:

### **Foreign citizen:**

<https://admisi.ipb.ac.id/international-class-for-foreign-citizen/>

### **Indonesian:**

<https://admisi.ipb.ac.id/sm-ipb-internasional/>