

JABEE (Japanese Accreditation Board for Engineering Education)

Bioengineering is a field of study that applies physics and chemistry to biology. JABEE (Japanese Accreditation Board for Engineering Education) has intensified its activities to ensure that engineers in Japan's bioengineering field are equal to those in the international community.

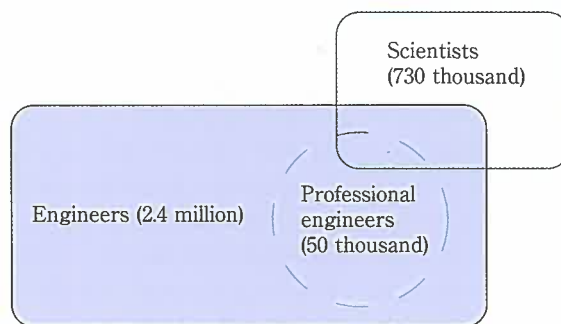
JABEE is a professional accreditation system that utilizes external organizations to evaluate the engineering education programs provided by higher education institutions such as universities. The system accredits programs that meet the demanding level of the international community. Completing a JABEE-accredited program certifies the qualifications of the institution, just as ISO accreditation provided to factories certifies their qualifications.

The Washington Accord (WA) guarantees the international comparability of engineers. JABEE is now a provisional associate member of WA and is preparing for formal entry. After JABEE joins WA, Japan's engineers who have completed a program accredited by JABEE can be evaluated on equal terms with their counterparts who have completed programs in the major Western countries. This will pave the way for Japanese engineers to become professional engineers in the U.S. and chartered engineers in the U.K.

The figure below shows the number of Japan's technical experts sorted by title. The total number of technical experts is 2,400 million. In the West, the job title "engineer" is used only for those who have become qualified, which is equivalent to "professional engineer" in Japan (currently 50 thousand). Those who complete a

program accredited by JABEE are exempted from the first-stage test to become professional engineers under the designation by the Minister of Education, Culture, Sports, Science and Technology.

Number of Japan's technical experts sorted by title



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