Application procedure for regular applicants

For regular applicants, the Department of Precision Engineering offers two types of selection both for the master's and PhD programs, which are *regular selection* based on written exams and *document-based selection*.

Applicants for these selections must obtain and submit the application form to the *Graduate School of Engineering Office*.

Application procedure for MEXT (Monbukagakusho) scholarship applicants

The applications from *MEXT scholarship* applicants are directly handled by the *Graduate School of Engineering Office*, not by the *Department of Precision Engineering*.

For further information:

Admissions Information, Department of Precision Engineering: http://www.pe.t.u-tokyo.ac.jp/admission_e.html

Admissions Information, School of Engineering:

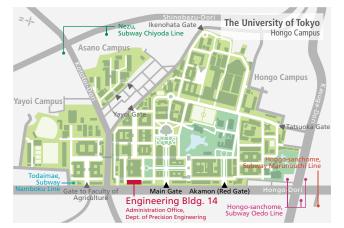
http://www.t.u-tokyo.ac.jp/etpage/international_applicants/

Department of Precision Engineering

School of Engineering, The University of Tokyo





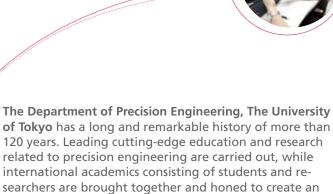


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Be precise, be flexible

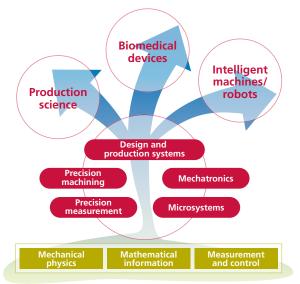


expanding network of sought-after experts.

Mission

Curriculum

Precision Engineering discusses methodologies on the approach to targets rather than the physical objects themselves. The department handles an extensive range of advanced technology from information devices to manufacturing technology and services in order to create a sustainable society based on harmony between man, resources, and the environment. Founded on the basic disciplines of mechanical physics, mathematical information, and measurement and control, the department promotes education and research on production science and the synthesis of products and services, as well as intelligent and robotic systems and biomedical devices.



Research fields:

1) The development of fundamental technology for production science, such as precision measurement, precision machining, microsystems, biomedical devices, mechatronics, and design and production systems. 2) Research into methodologies on the synthesis of intelligent machines, information and knowledge systematization for products, services, and their production processes.

3) Application of the above to manufacturing, biomedical fields, and service systems.

Sensing technology	
Light-wave communication systems	I. Kobayashi
Optical measurement	S. Takahashi
Coordinate metrology	K. Takamasu
Biomedical precision engineering	
Medical precision engineering	I. Sakuma
Computer assisted surgery and therapy	E. Kobayashi
Fabrication technology	
Polymer processing	H. Yokoi
System integration and packaging	T. Suga
Micro machining	M. Kunieda
Approach to ultimately accurate surface processing	H. Mimura
Microsystems	
Microsystem integration	M. Ichiki
Applied microfluidic systems	T. Fujii
Microsystems for optical applications	E. Higurashi
Nano-micro mechanical systems Fujii, Takahashi, A	Higurashi, Ichiki
Robotics and mechatronics	
Robotics and mechatronics Electromechanical control systems	T. Higuchi
Robotics and mechatronics Electromechanical control systems Mechatronics in human and engineered environments	T. Higuchi H. Hosaka
Robotics and mechatronics Electromechanical control systems Mechatronics in human and engineered environments Cooperative artificial systems	T. Higuchi H. Hosaka H. Asama
Robotics and mechatronics Electromechanical control systems Mechatronics in human and engineered environments Cooperative artificial systems Dynamic agents	T. Higuchi H. Hosaka
Robotics and mechatronicsElectromechanical control systemsMechatronics in human and engineered environmentsCooperative artificial systemsDynamic agentsDesign and production systems	T. Higuchi H. Hosaka H. Asama J. Ota
Robotics and mechatronicsElectromechanical control systemsMechatronics in human and engineered environmentsCooperative artificial systemsDynamic agentsDesign and production systemsIntelligent production systems	T. Higuchi H. Hosaka H. Asama J. Ota T. Arai
Robotics and mechatronicsElectromechanical control systemsMechatronics in human and engineered environmentsCooperative artificial systemsDynamic agentsDesign and production systemsIntelligent production systemsGeometric modeling	T. Higuchi H. Hosaka H. Asama J. Ota T. Arai H. Suzuki
Robotics and mechatronicsElectromechanical control systemsMechatronics in human and engineered environmentsCooperative artificial systemsDynamic agentsDesign and production systemsIntelligent production systemsGeometric modelingGeometry data processing	T. Higuchi H. Hosaka H. Asama J. Ota T. Arai
Robotics and mechatronicsElectromechanical control systemsMechatronics in human and engineered environmentsCooperative artificial systemsDynamic agentsDesign and production systemsIntelligent production systemsGeometric modelingGeometry data processingPractice and project based learning	T. Higuchi H. Hosaka H. Asama J. Ota T. Arai H. Suzuki Y. Ohtake
Robotics and mechatronics Electromechanical control systems Mechatronics in human and engineered environments Cooperative artificial systems Dynamic agents Design and production systems Intelligent production systems Geometric modeling Geometry data processing Practice and project based learning Prototyping technique for nano/micro systems I	T. Higuchi H. Hosaka H. Asama J. Ota T. Arai H. Suzuki Y. Ohtake H. Kawakatsu
Robotics and mechatronics Electromechanical control systems Mechatronics in human and engineered environments Cooperative artificial systems Dynamic agents Design and production systems Intelligent production systems Geometric modeling Geometry data processing Practice and project based learning Prototyping technique for nano/micro systems I Prototyping technique for nano/micro systems II	T. Higuchi H. Hosaka H. Asama J. Ota T. Arai H. Suzuki Y. Ohtake H. Kawakatsu B. Kim
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International workshop practice on precision engineering: edge credits for interna-









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