

List of Graduate Courses Available to Undergraduate-level International Exchange Students <For 3Q, 4Q of the 2023-2024 Academic Year>

Eligibility for Acceptance

- Students must be final year undergraduates or at an equivalent level.
- Students must meet the specific criteria for each course defined by the instructor and indicated in the final column of the table.
- Students must be enrolled on an appropriate exchange program that allows access to these courses.

As of November 2023

NOTE: TAKING ANY GRADUATE-LEVEL COURSES (400-LEVEL OR HIGHER) THAT IS NOT ON THIS LIST IS NOT PERMITTED UNDER ANY CIRCUMSTANCES. EVEN IF THE COURSE INSTRUCTOR INDIVIDUALLY APPROVES YOUR ENROLLMENT, YOUR REGISTRATION FOR SUCH A COURSE WILL BE REJECTED.

Graduate Major	No.	Course Name	Lecturer	Quarter	Eligibility criteria or prerequisite knowledge, etc.
Mathematics	MTH.A407	Advanced topics in Algebra C1	Ochiai Tadashi	3Q	Undergraduate-level knowledge of abstract algebra and number theory
	MTH.A408	Advanced topics in Algebra D1	Ochiai Tadashi	4Q	Undergraduate-level knowledge of abstract algebra and number theory
	MTH.B407	Advanced topics in Geometry C1	Gomi Kiyonori	3Q	Undergraduate-level knowledge of topology and abstract algebra
	MTH.B408	Advanced topics in Geometry D1	Gomi Kiyonori	4Q	Undergraduate-level knowledge of topology and abstract algebra
	MTH.C407	Advanced topics in Analysis C1	Tanabe Masaharu	3Q	Undergraduate-level knowledge of functional analysis and differential equations
	MTH.C408	Advanced topics in Analysis D1	Tanabe Masaharu	4Q	Undergraduate-level knowledge of functional analysis and differential equations
Physics	PHY.Q434	Field Theory II	Imamura Yosuke	3Q	Students are required to have knowledge of the undergraduate level of physics, electricity and magnetism, analytical dynamics, quantum mechanics, thermodynamics and statistical mechanics.
	PHY.F432	Astrophysics	Matsuhara Hideo	3Q	Students are required to have knowledge of the undergraduate level of physics, electricity and magnetism, analytical dynamics, quantum mechanics, thermodynamics and statistical mechanics.
	PHY.C450	Quantum Theory of Electrons in Solids	Ishizuka Hiroaki	3Q	Prerequisites: undergraduate-level quantum mechanics, thermodynamics and statistical mechanics.
	PHY.C447	Light and Matter II	Mukaiyama Takashi	3Q	Students are required to have knowledge of the undergraduate level of physics, electricity and magnetism, analytical dynamics, quantum mechanics, thermodynamics and statistical mechanics.
	PHY.C444	Quantum Transport	Fujisawa Toshimasa	4Q	Students are required to have knowledge of the undergraduate level of physics, electricity and magnetism, analytical dynamics, quantum mechanics, thermodynamics and statistical mechanics.
	PHY.C449	Laser Physics	Aikawa Kiyotaka	4Q	Students are required to have knowledge of the undergraduate level of physics, electricity and magnetism, analytical dynamics, quantum mechanics, thermodynamics and statistical mechanics.
Earth and Planetary Sciences	EPS.A426	Advanced Earth and Space Sciences I	Ishikawa Akira	3Q	
	EPS.A427	Advanced Earth and Space Sciences J	Ida Shigeru, Hernlund John William	3Q	
Mechanical Engineering	MEC.G433	Joining	Sato Chiaki, Yamazaki Takahisa	4Q	
	MEC.M434	Space Robotics	Nakanishi Hiroki	4Q	
	MEC.H433	Mechatronics Device and Control	Yamura Hiroshi	4Q	
	MEC.H434	Advanced Course of Actuator Engineering	Suzumori Koichi, Yoshida Kazuhiro	3Q	
	MEC.C433	Solid Dynamics	Inoue Hirotsugu	3Q	
	MEC.E432	Properties of Solid Materials	Murakami Yoichi, Fushinobu Kazuyoshi	3Q	
	MEC.G432	Metalforming	Yoshino Masahiko, Ohtake Naoto	3Q	
	MEC.E433	Advanced Thermal-Fluids Measurement	Kikura Hiroshige, Saito Takushi	4Q	
	MEC.U433	Advanced Production Engineering A	Yoshino Masahiko, Takahashi Kunio, Saito Takushi	3~4Q	Intensive course with irregular schedule (11:00-14:00, 5 days x 3 weeks). Please make a contact with Prof. Fushinobu (fushinobu.k.aa@m.titech.ac.jp) before registration.
	MEC.U434	Advanced Internal Combustion Engine Engineering and Future Power Train A	Kosaka Hidenori, Hanamura Katsunori, Hirai Shuichiro	3~4Q	
MEC.D433	Self-excited vibration	Nakano Yutaka	3Q	Students must have knowledge about vibration analysis method for one degree of freedom system and multi degree of freedom system.	
Systems and Control Engineering	SCE.C401	System Identification and Estimation	Yamakita Masaki	3Q	
	SCE.S402	Fluid Robotics	Tsukagoshi Hideyuki	3Q	
	SCE.C452	Nonlinear and Adaptive Control	Hayakawa Tomohisa	3Q	
	SCE.A405	Inverse Problems and Data Assimilation	Amaya Kenji	3Q	
	SCE.C453	Network Control Systems	Ishizaki Takayuki	4Q	
	SCE.I402	Advanced Course of Sensing System Theory	Ohyama Shinji	4Q	
	SCE.I404	Automobile Transportation System and Environmental Impact	Sato Susumu	4Q	
	SCE.I433	Intelligent Communication and Social Interaction	Nakadai Kazuhiro, Itoyama Katsutoshi	3Q	
	SCE.I435	Visual and Knowledge Information Processing	Kawakami Rei	4Q	

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Electrical and Electronic Engineering	EEE.S411	Guided Wave Circuit Theory	Nishikata Atsuhiko, Aoyagi Takahiro	3Q	Knowledge of electromagnetics
	EEED.421	Imaging Materials	Iino Hiroaki	3Q	
	EEE.D441	Information Storage Engineering	Nakagawa Shigeki, Takamura Yota	4Q	
	EEE.P402	Control and analysis of power and motor drive systems	Fujita Hideaki	3Q	Under graduate-level knowledge on electric machinery
	EEE.P413	Power electronics application to power systems	Hagiwara Makoto	3Q	
	EEE.P414	Power electronics control and analysis	Fujita Hideaki	4Q	Under graduate-level knowledge on power electronics
	EEE.D442	Special Seminar on Semiconductor Memory	Wakabayashi Hitoshi, Tagawa Tetsuya, Fujisawa Hiroki, Uchiyama Shiro, Goda Akira, Nariyoshi Yasuhiro, Matsushashi Hideki, Miyashita Toshihiko, Yoshida Kazuyoshi	3Q	
Information and Communications Engineering	ICT.A413	Communications and Computer Engineering II	Takahashi Atsushi, Nakahara Hiroki, Takagi Shigetaka, Nakamoto Takamichi, Isshiki Tsuyoshi, Motomura Masato, Hara Yuko, Sasaki Hiroshi	3Q	Sufficient basic academic skills in information and communications
	ICT.S414	Advanced Signal Processing (ICT)	Yamada Isao	3Q	Basic knowledge of linear algebra, multivariate calculus, complex analysis, Fourier analysis and digital signal processing
	ICT.I419	VLSI Layout Design	Takahashi Atsushi	4Q	Sufficient basic academic skills in integrated circuits and algorithm
	ICT.A418	Human-Centric Information Systems II	Nagai Takehiro, Yamaguchi Masahiro, Okumura Manabu, Kaneko Hirohiko, Suzuki Kenji, Slavakis Konstantinos, Motomura Masato, Obi Takashi, Shinozaki Takahiro, Kurosawa Minoru, Nakatani Momoko, Funakoshi Kotaro, Watanabe Yoshihiro	4Q	Sufficient basic academic skills in information and communications
	ICT.H421	Medical Imaging Systems	Nakamura Kentaro, Tabaru Marie, Obi Takashi	4Q	Acquisition of basics of Fourier transform and electrical circuits
	ICT.H422	Computational Brain	Koike Yasuharu	4Q	Sufficient basic knowledge of machine learning
	ICT.I415	VLSI System Design	Isshiki Tsuyoshi	3Q	Acquisition of basics of logic circuits, electrical circuits and integrated circuits
Industrial Engineering and Economics	IEE.B404	Advanced Cooperative Game Theory	Fukuda Emiko	4Q	This course requires basic knowledge in cooperative game theory. Thus, only students who have knowledge of the definition of solution in cooperative game and sufficient ability such as calculation of the core, the nucleolus and the Shapley value can register.
	IEE.B432	Advanced Topics in Macroeconomics	Morita Hiroshi	3Q	Students must have mastered the same level of knowledge as basic micro/macro economics before starting the course.
	IEE.D436	Healthcare Quality and Safety	Gu Xiuzhu	3Q	This course requires intensive class participation. Thus, only students with a high level of English who can participate in the classroom can register.
Materials Science and Engineering	MAT.P414	Soft Materials Function	Michinobu Tsuyoshi	3Q	
	MAT.P404	Soft Materials Functional Physics	Hayamizu Yuhei	4Q	Fundamental knowledge on chemical physics and quantum physics are needed.
	MAT.P403	Soft Materials Physics	Vacha Martin	3Q	
	MAT.M403	Environmental Degradation of Materials	Tada Eiji	4Q	
	MAT.C414	Introduction to Solid State Science	Katase Takayoshi, Majima Yutaka, Kamiya Toshio, Kawaji Hitoshi, Sasagawa Takao, Azuma Masaki, Hiramatsu Hidenori, Nakatsuji Kan, Gohda Yoshihiro, Izawa Seiichiro	4Q	
	MAT.C412	Polymeric Biomaterials	Tsuge Takeharu, Hayashi Tomohiro	3Q	
	MAT.P426	Thermal Properties of Materials	Morikawa Junko	4Q	
	MAT.M425	Recovery, Recrystallization and Texture of Metals	Tahara Masaki, Inamura Tomonari	3Q	
	MAT.M428	Properties and manufacturing process for automotive sheet steels	Yoshinaga Naoki	3~4Q	
MAT.C416	Advanced Course of Nano-Particles Science	Miyauchi Masahiro, Yamaguchi Akira, Tokudome Hiromasa	3Q	4th grade undergraduate level of fundamental knowledge on inorganic ceramics materials is needed.	

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Chemical Science and Engineering	CAP.A423	Advanced Organic Synthesis I	Ito Shigekazu	3Q	Knowledge of bachelor level organic chemistry is desirable.
	CAP.A424	Advanced Organic Synthesis II	Ito Shigekazu	4Q	Knowledge of bachelor level organic chemistry is desirable.
	CAP.I417	Introduction to Chemical Engineering (Unit Operation)	Tanaka Masayoshi	3Q	
	CAP.C432	Physico-Chemical Property Analysis in Chemical Engineering	Taniguchi Izumi	3Q	Fundamental knowledge of chemical engineering and transport phenomena is required.
	CAP.I423	Advanced Organic Materials Chemistry	Fukushima Takanori, Shoji Yoshiaki	3Q	
	CAP.I416	Catalysis for the Environmental Issues	Yokoi Toshiyuki, Motokura Ken, Manaka Yuichi	3Q	
	CAP.C441	Transport Phenomena and Operation	Yoshikawa Shiro	4Q	Fundamental knowledge of chemical engineering and transport phenomena is required.
	CAP.I435	Advanced Geochemistry	Toyoda Sakae, Yamada Keita	3Q	
	CAP.C433	Phase Equilibrium Analysis in Chemical Engineering	Shimoyama Yusuke	3Q	Fundamental knowledge of chemical engineering and separation operation is required.
	CAP.C443	Advanced Reaction-Separation Process	Tago Teruoki, Shimoyama Yusuke	4Q	Fundamental knowledge of chemical reaction engineering and separation operation and process is required.
Mathematical and Computing Science	MCS.T405	Theory of Algorithms	Ito Toshiya	3Q	
	MCS.T417	Topics in Algebra	Tsuchioka Shunsuke	4Q	
	MCS.M422	Statistical Mechanics for Information Processing	Takabe Satoshi	4Q	
Computer Science	CSC.T431	Cyber-Physical Systems	Watanabe Takuo	3Q	Students must have successfully completed the related courses or have equivalent knowledge.
	CSC.T433	Advanced Computer Architecture	Kise Kenji	4Q	
	CSC.T442	Internet Applications	Ohta Masataka	4Q	
Life Science and Technology	LST.A406	Molecular Developmental Biology and Evolution	Kume Shoen, Kawakami Atsushi, Tanaka Mikiko, Kajikawa Masaki, Nikaido Masato	3Q	
	LST.A408	Computational Biology	Itoh Takehiko, Yamada Takuji, Kitao Akio	3Q	
	LST.A409	Physical Biology of the Cell	Hayashi Nobuhiro, Murakami Satoshi, Taguchi Hideki, Tokunaga Makio, Ishii Yoshitaka	4Q	Acquisition of basics of physical chemistry.
	LST.A407	Science of Metabolism	Hirasawa Takashi, Shiraki Nobuaki, Yamamoto Naoyuki, Kato Akira	3Q	Undergraduate-level basic knowledge of biochemistry, molecular biology and cell biology.
	LST.A410	Advanced Neuroscience	Ichinose Hiroshi, Suzuki Takashi, Miyashita Eizo, Akama Hiroyuki, Nonomura Keiko	4Q	Acquisition of basics of advanced neuroscience.
	LST.B404	International Career Development Basics	Suzuki Takashi, Kobatake Eiry, Kume Shoen, Aizawa Yasunori, Mcglynn Shawn	3~4Q	
	LST.A421	Functional Life Science	Nakamura Nobuhiro, Orihara Kanami, Koshikawa Naohiko, Ogura Shunichiro	4Q	Acquisition of basics of biochemistry, molecular biology and genome biology.
Architecture and Building Engineering	ARC.D422	Architectural Design Studio II	Yasuda Koichi, Okuyama Shin-Ichi, Tsukamoto Yoshiharu, Yamazaki Taisuke, Murata Ryo, Nasu Satoshi, Shiozaki Taishin	3~4Q	
	ARC.D423	Architectural Design Studio III	Yasuda Koichi, Okuyama Shin-Ichi, Tsukamoto Yoshiharu et al.	4Q	
	ARC.D424	Theory of Architectural Space and Planning	Tsukamoto Yoshiharu, Huang Sheng-Yuan	3~4Q	
	ARC.D446	Theory of Architectural Design II	Okuyama Shin-Ichi, Shiozaki Taishin	3~4Q	Only student in architectural course
	ARC.D447	Architectural Theory for Urban Space	Tsukamoto Yoshiharu	3~4Q	
	ARC.P442	Theories in Urban Analysis and Planning II	Osaragi Toshihiro, Kishimoto Maki	4Q	
	ARC.E425	Evaluation and Design of Thermal Environment	Asawa Takashi	4Q	
	ARC.D462	Architectural Behaviorology	Tsukamoto Yoshiharu, Yasuda Koichi, Okuyama Shin-Ichi	3~4Q	

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Civil Engineering	CVE.M401	Civil Engineering Analysis	Maruyama Taizo	3Q	Programming skills are required.
	CVE.M431	Probabilistic Concepts in Engineering Design	Sasaki Eiichi	4Q	
	CVE.F432	Principles of Construction Management	Hasegawa Atsushi, Matsukawa Keisuke, Hiraishi Kazuaki, Maeda Yasuyoshi, Koizumi Yukihiro, Takesue Naoki, Maki Kotaro	3~4Q	
	CVE.G402	Environmental Statistics	Yoshimura Chihiro	4Q	
	CVE.C402	Stability Problems in Geotechnical Engineering	Takahashi Akihiro, Takemura Jiro	3Q	Basic knowledge of soil mechanics is required.
	CVE.C431	Physical Modeling in Geotechnics	Takemura Jiro, Takahashi Akihiro	3~4Q	Basic knowledge of civil engineering and geotechnical engineering is required.
	CVE.E431	Integrated modeling of reinforced concrete structure	Chijiwa Nobuhiro	3~4Q	
	CVE.G403	Water Chemistry for Environmental Engineering	Fujii Manabu	3Q	
	CVE.D405	Transportation Science and Simulation	Seo Toru	4Q	
Global Engineering for Development, Environment and Society	GEG.S402	The economics and systems analysis of environment, resources and technology	Tokimatsu Koji	4Q	
	GEG.E411	Atmospheric Environment in Megacities	Kanda Manabu, Varquez Alvin Christopher Galang	4Q	
	GEG.T414	Linear Wave Theory and Simulation	Takada Jun-Ichi	3Q	Knowledge of partial differential equations, vector analysis, and Fourier analysis are expected.
	GEG.S413	Science Media and Communication	Nohara Kayoko, Andrews Eden Mariquit, Salani Giorgio	3Q	
	GEG.S414	Emerging Insights in Science and Art	Hara Masahiko, Heather Barnett, Nohara Kayoko	4Q	
Social and Human Sciences	SHS.S444	Graduate Lecture in Science, Technology and Society F1B	Bektas Yakup	4Q	
	SHS.L419	Special Lecture on Advanced Topics in Social and Human Sciences FA	Bektas Yakup	3Q	
	SHS.L420	Special Lecture on Advanced Topics in Social and Human Sciences FB	De Ferranti Hugh	4Q	Competence in reading and talking about academic articles about some of the topics and issues is essential. A presentation of your own project in English is required.
Energy Science and Engineering <Interdisciplinary graduate major>	ENR.A405	Interdisciplinary Energy Materials Science 1	Ueda Mitsutoshi, Maeda Kazuhiko, Miyauchi Masahiro, Okamoto Toshihiro	3Q	
	ENR.A406	Interdisciplinary Energy Materials Science 2	Matsumoto Hidetoshi, Ihara Manabu, Kimura Yoshisato, Nozaki Tomohiro, Matsuda Akifumi	4Q	
	ENR.A407	Energy system theory	Suekane Tetsuya, Yamada Akira, Obara Toru, Kawabe Kenichi, Tokimatsu Koji, Otomo Junichiro	3Q	
	ENR.A408	Economy of energy system	Tokimatsu Koji, Wakeyama Tatsuya, Otomo Junichiro, Nishikizawa Shigeo, Kajikawa Yuya, Goto Mika, Eto Ryo	4Q	
	ENR.J408	Energy Conversion Ceramics Materials	Miyauchi Masahiro, Matsuda Akifumi, Yamaguchi Akira, Matsushita Sachiko, Isobe Toshihiro, John David Baniecki	4Q	The students are required to have basic knowledge of solid-state chemistry and physics.
	ENR.K450	Advanced course of combustion physics	Kosaka Hidenori, Tanahashi Mamoru	3Q	
	ENR.K440	Advanced course of radiation transfer	Hanamura Katsunori	3Q	
	ENR.H411	Topics in Applied Electrochemistry	Arai Hajime, Hirayama Masaaki, Hayashi Masahiko	4Q	
	ENR.H415	Introduction to Organic Electrochemistry	Inagi Shinsuke	3Q	
	ENR.J401	Advanced Metal Physics	Shi Ji	3Q	
	ENR.J402	Physical Chemistry for High Temperature Processes –Thermodynamics–	Hayashi Miyuki	3Q	Students are required to have basic knowledge about the first, second and third law of thermodynamics.
	ENR.A405	Interdisciplinary Energy Materials Science 1	Ueda Mitsutoshi, Maeda Kazuhiko, Miyauchi Masahiro, Okamoto Toshihiro	3Q	
	ENR.A406	Interdisciplinary Energy Materials Science 2	Matsumoto Hidetoshi, Ihara Manabu, Kimura Yoshisato, Inagi Shinsuke, Matsuda Akifumi	4Q	
	ENR.I410	Optical properties of solids	Koshihara Shinya, Okimoto Yoichi	4Q	The students are expected to have basic knowledge of electromagnetism.
	ENR.A407	Energy system theory	Suekane Tetsuya, Yamada Akira, Obara Toru, Kawabe Kenichi, Tokimatsu Koji, Otomo Junichiro	3Q	
	ENR.H450	Environmentally-Friendly Polymer Chemistry	Satoh Kotaro	4Q	Students are expected to have fundamental knowledge of polymer chemistry and polymer synthesis.
	ENR.T436	Energy Scenario modeling	Wakeyama Tatsuya	3Q	

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Engineering Sciences and Design <Interdisciplinary graduate major>	ESD.F403	UX / Interaction Design	Nishida Yoshifumi, Oono Mikiko	3Q	
	ESD.F404	Affective Engineering / Emotional Design	Kahlon Yuval, Fujii Haruyuki	3Q	
	ESD.D404	Design of Medical and Welfare Device	Hijikata Wataru	3Q	
Human Centered Science and Biomedical Engineering <Interdisciplinary graduate major>	HCB.C422	Outline of Human Centered Science and Biomedical Engineering II	Yagi Tohru, Nakamura Kentaro, Yamaguchi Masahiro, Kitaguchi Tetsuya, Miura Yutaka, Ogura Shunichiro, Ikoma Toshiyuki, Tokuda Takashi	3Q	
	HCB.M463	Introduction to Biomedical Instrumentation	Yagi Tohru	3Q	
Nuclear Engineering <Interdisciplinary graduate major>	NCL.D406	Experiments for Chemistry in Nuclear Non-proliferation, Fuel Debris and Back-end Fuel Cycle B	Tsukahara Takehiko, Takao Koichiro, Nakase Masahiko	4Q	Students must have enough knowledge of nuclear chemistry and chemical engineering. You need registration as a radiation worker (ZC Category A)
	NCL.D402	Experiments for Material Engineering in Nuclear Non-proliferation and Decommissioning B	Yoshida Katsumi, Hubarevich Hanna, Takasu Hiroki	4Q	Student must have enough knowledge of nuclear materials. You need registration as a radiation worker (ZC Category A)
	NCL.C401	Nuclear Fuel Cycle Engineering	Tsukahara Takehiko, Takao Koichiro, Harada Takuya, Takasu Hiroki	3Q	Students must have enough knowledge of nuclear chemistry and chemical engineering.
	NCL.C402	Radioactive Waste Management and Disposal Engineering	Tsukahara Takehiko, Takao Koichiro, Nishihara Kenji	3Q	Students must have enough knowledge of nuclear chemistry and chemical engineering.
	NCL.C403	Nuclear Chemical Engineering	Kato Yukitaka, Harada Takuya, Takasu Hiroki	4Q	Students must have enough knowledge of nuclear chemistry and chemical engineering.
	NCL.B401	Radiation Biology and Medicine	Matsumoto Yoshihisa	3Q	
	NCL.D407	Experiment on Thermalhydraulic and Severe Accident Engineering	Kikura Hiroshige, Endo Gen, Kondo Masatoshi, Sagara Hiroshi, Takahashi Hideharu	4Q	Student must have enough knowledge of nuclear reactor thermal-hydraulics and nuclear safety.
	NCL.N411	Innovative Nuclear Systems Design Project	Obara Toru	3~4Q	Student must have enough knowledge of nuclear physics, nuclear reactor theory, nuclear materials, nuclear reactor thermal-hydraulics, nuclear safety and nuclear energy systems.
Artificial Intelligence <Interdisciplinary graduate major>	ART.T463	Computer Graphics	Saito Suguru	4Q	
	ART.T462	Complex Networks	Murata Tsuyoshi	4Q	
	ART.T466	3D Computer Vision	Kanezaki Asako	4Q	Required: Basic knowledge of linear algebra and programming experience on Python
Urban Design and Built Environment <Interdisciplinary graduate major>	UDE.D408	History of Cities and Urban Planning	Fujita Yasuhito	4Q	
	UDE.D448	Architectural Awareness & Design	Nasu Satoshi	4Q	
	UDE.P404	City/Transport Planning and the Environment	Muromachi Yasunori	3Q	Basics of Transport Planning, Urban Planning, and Traffic Engineering
Earth-Life Science <Interdisciplinary graduate major>	ELS.C403	Earth-Life Science C	Ida Shigeru, Genda Hidenori, Hernlund John William, Sekine Yasuhito	3Q	
	ELS.C431	Research Development Project for Earth-Life Science M	Sekine Yasuhito, Fujishima Kosuke, Nakamura Ryuhei, Matsuura Tomoaki, Ida Shigeru, Genda Hidenori	1~4Q	
	ELS.C432	Communicating Earth-Life Science to the World M	Hernlund John William, Mcglynn Shawn, Heenatigala Thilina	3Q	
Global awareness and other breadth courses	LAW.X418	Study on Japanese Companies and Industries I	Takemura Jiro, Kawashima Saho, Morikawa Junko	3Q	
	LAW.X423	Technology and Product in Context	Nohara Kayoko, Salani Giorgio	4Q	
	LAW.X427	Our Sustainable Energy Future: Role of Business and Technology	Ota Eri, Murakami Rie, Ling Frank Hiroshi	3Q	
	LAW.X429	Effective Teamwork in Global Companies	Ota Eri, Murakami Rie, Nguyen Dung Minh	4Q	
	LAW.X432	Advanced Co-learning Course for Global Scientists and Engineers 2	Murakami Rie, Ota Eri, Ananda Kumara	4Q	English proficiency equivalent to TOEIC score of 750 or above
	LAW.X441	Tohoku Co-learning Camp (Leadership Course)	Kawashima Saho, Yamaura Hiroshi	4Q	
	LAW.X433	Multicultural Understanding Through Art and International Experience	Kawashima Saho	4Q	

Interdisciplinary graduate major:

<https://www.titech.ac.jp/english/public-relations/pdf/relationship-organization-en-202204.pdf>

•Japanese courses

Please check the following web site of Japanese language courses.

<http://is.ila.titech.ac.jp/~web/japanese.html>