October 2025 & April 2026

Special Admissions for International Students

Admission Guidelines of the Master's Program

Graduate School of Engineering

Kyushu Institute of Technology

(Kyutech)

入学者受入方針

Admissions Policy for Graduate School of Engineering

大学院博士前期課程アドミッションポリシー

Master's Program Admissions Policy for Kyutech Graduate Schools

【全学版】
【General】

九州工業大学大学院は，開学以来の理念である「技術に堪能なる士君子」の養成に基づき，高い専門性と深い学識を持ち，それらを活かして新時代を切り開く卓越した能力と豊かな創造性を備えた，高度技術者を育成します。

そのため，理工学系専門分野における高度技術者となるために，独創的な思考力，研究開発活動を行うための高度な知識および実践的な問題解決力の修得を目指す皆さんの入学を期待します。

本大学院が，入学者に期待することは以下のとおりです。

(1) 技術者に必要な基礎学力と工学専門分野の知識を持ち，自然現象を科学的に理解している
(2) 人，社会および文化の多様性を理解している
(3) 工学・技術が社会で果たす役割を理解している
(4) 状況に応じて適切に説明できる能力，および英語をはじめとする外国語によるコミュニケーションの基本的能力を持っている
(5) 問題解決に必要な論理的思考力，分析力，説明能力を持っている
(6) 技術者としての倫理観と責任感を備え，社会に貢献する志を持っている
(7) 自己を律する自己管理をしており，自発的に活動する態度を身につけている
(8) 他者と協調し，個人の能力も発揮しようとする態度を身につけている

これらの素養や態度をもつ皆さんを受け入れるため，入学者選抜に おいては，筆記試験，面接試験（口頭試験），成績証明書等を基にした総合的な評価を実施します。

The Graduate School of Kyushu Institute of Technology has been grounded in the philosophy of nurturing "technically skilled, learned, and virtuous persons" since the school's establishment. We aim to train advanced engineers with high-level expertise, profound academic knowledge, the outstanding ability and abundant creativity to utilize them to carve out a path to a new era.

Therefore, we expect all students who wish to acquire creative thinking, advanced knowledge for research and development activities, and practical problem-solving skills to become advanced engineers in specialized fields of science and technology.

We expect candidates who have the following potential.

(1) Students with the basic academic skills necessary for engineers, knowledge of the

specialized engineering fields, and a scientific understanding of natural phenomena.
(2) Students who understand the diversity of people, society, and culture.
(3) Students who understand the role of engineering and technology in society.
(4) Students who give appropriate explanations depending on the situation and have the basic ability to communicate in English or other foreign languages.
(5) Students who have the ability of logical thinking, analytical intelligence, and explanatory skills necessary for problem-solving.
(6) Students with a sense of ethics and responsibilities as engineers and a willingness to contribute to society.
(7) Students who have self-discipline and initiative.
(8) Students who have a spirit of cooperation and demonstrate their abilities.

To accept applicants with these qualities and attitudes, we will conduct a comprehensive evaluation based on a written examination, interview (oral examination), academic transcripts, etc.

【工学府（前期）】
【Graduate School of Engineering (Master's Program)】

＜技術者及び研究者としての養成目標＞
「ものづくり」を基盤とした最先端科学技術分野において，豊かな教養と技術者倫理ならびにコミュニケーション力を備え，科学技術の進歩に対応できる工学基礎力・専門技術力を有し，国際的に活躍できる専門技術者の素養と能力に加え，深い専門知識とそれに基づく課題発見・設定・解決能力，多様な文化の理解に基づく国際的コミュニケーション力を有するグローバル社会で活躍する高度専門技術者の養成を目指しています。

【求める人材】
本学府が入学者に期待することは、全学のアドミッション・ポリシーに加えて以下のとおりです。
・基礎学力を充分に修得していること
・チャレンジ精神が旺盛で、果敢に新たな課題を求め、その解決に取り組もうとする前向きな姿勢を持っていること
・グローバルな視点で物事を考えることができること

これらの素養をもつ皆さんを受け入れるため、以下の方針で、各選抜を実施します。

一般選抜（推薦型・一般型
本選抜では、特に技術者に必要な基礎学力と工学専門分野の知識を持ち、自然現象を科学的に理解しており、外国語によるコミュニケーションのための基本的能力を有し、問題解決に必要な論理的思考力、分析力、説明能力を修得している人材を受け入れます。これらの素養を書類審査、TOEIC/TOEFL のスコア、成績証明書等、学力検査（筆記試験・面接試験等）により評価します。

社会人特別選抜
本選抜では、特に社会人技術者・研究者等が在職のまま修学し、大学と社会との交流を深め、学問と技術の発展に寄与しようとする意欲を有し、技術者に必要な基礎学力と工学専門分野の知識を持ち、自然現象を科学的に理解し、外国語によるコミュニケーションのための基本的能力を有しており、問題解決に必要な論理的思考力、分析力、説明能力を修得している人材を受け入れ

ます。これらの素養を書類審査、面接試験等により評価します。

外国人留学生特別選抜

本選抜では、特に技術者に必要な基礎学力と工学専門分野の知識を持ち、自然現象を科学的に理解しており、問題解決に必要な論理的思考力、分析力、説明能力を修得している人材を受け入れます。これらの素養を学力検査（筆記試験・面接試験等）及び書類審査により評価します。

＜Engineer and Researcher Development Objective＞

Our objective is to foster － to instill a deep knowledge of science and engineering in high caliber students – the motto of the university since its foundation, in the fields of the most-advanced science and technology based on "Monozukuri (creative engineering)," in other words we aim to educate highly-specialized engineers who will play an active role in global society, provided with a depth and breadth of education, ethics for engineers, and communication skills, having basic engineering skills and specialized technological skills to keep pace with advances in science and technology, in addition to accomplishments and capabilities as an internationally-active professional engineer, having in-depth expertise and abilities to find, set, and solve problems, and global communication skills based on understanding of diverse cultures.

＜Students we seek＞

We seek talented persons who: (1) have sufficiently acquired basic academic abilities, (2) have a positive attitude to address and solve new challenges energetically, and (3) have global perspective.

＜Students accepted by general admissions selection＞

We accept talented persons who: (1) have acquired basic academic abilities and knowledge of the specialized field of engineering essential for engineers, and can understand natural phenomena scientifically, (2) have acquired a basic ability to communicate in English, and (3) have acquired abilities in logical thinking, analysis, and explanation essential for problem-solving.

＜Students accepted by special admissions selection for working people＞

We accept talented persons who: (1) aim to study as engineers, researchers, etc., while working, deepen relationships between the university and society, and make a contribution to development in academics and technology, (2) have acquired basic academic abilities and knowledge of the specialized field of engineering essential for engineers, and can understand natural phenomena scientifically, (3) have acquired a basic ability to communicate in English, and (4) have acquired abilities in logical thinking, analysis, and explanation essential for problem-solving.

＜Students accepted by special admissions selection for international students＞

We accept talented persons who: (1) have acquired basic academic abilities and knowledge of their specialized field of engineering essential for engineers, and can understand natural phenomena scientifically, and (2) have acquired abilities in logical thinking, analysis, and explanation essential for problem-solving.

＜Basic Policy for Admission Selection＞
General Admissions Selection (Recommendation-Based)
For admissions selection, we evaluate (3) and part of (1) mainly by academic ability test (written / interview, etc.), and (2) by TOEIC / TOEFL score, and part of (1) mainly by document screening.

General Admissions Selection
For admissions selection, we evaluate (3) and part of (1) mainly by academic ability test (written / interview), and (2) by TOEIC / TOEFL score, and part of (1) mainly by document screening.

Special Admissions Selection for Working People
For admissions selection, we evaluate (1), (2) and (4) by document screening and interview, and (3) by interview.

Special Admissions Selection for International Students
For admissions selection, we evaluate (1) and (2) by academic ability test (written / interview, etc.) and document screening.

大学院博士後期課程アドミッションポリシー

Doctoral Program Admissions Policy for Kyutech Graduate Schools

【全学版】
【General】

九州工業大学大学院は，開学以来の理念である「技術に堪能なる士君子」の養成に基づき，高い専門性と深い学識を持ち，それらを活かして新時代を切り開く卓越した能力と豊かな創造性を備えた，高度技術者・研究者を育成します。

そのため，理工学系専門分野における高度技術者・研究者となるために，最先端の知識と研究開発能力，および他分野と接する境界領域の知識修得を目指す皆さんの入学を期待します。

本大学院が，入学者に期待することは以下のとおりです。
(1)技術者としての独創的な思考および, 研究開発活動を行うための工学専門分野における高度な知識を持っている
(2)各専門分野が社会で果たすべき役割を理解している
(3)研究・開発の実践に必要な問題解決力を持っている
(4)新技術等の提案・公表に必要なプレゼンテーション力を持っている
(5)英語をはじめとする外国語によるコミュニケーション力を持っている
(6)自己の役割についての認識を深め，自発的に活動する態度を身につけている
(7)未知の専門的課題の解決に向けた企画立案や進捗管理ができる
(8)チームの一員としてチーム活動の推進や改善に貢献しようとする態度を身につけている

これらの素養や態度をもつ皆さんを受け入れるため，入学者選抜においては，面接試験（口述試験），修士論文およびその概要，研究（希望）計画書，これまでの業績・業務に関する報告書（業績リストや業績報告書，業務報告書等），成績証明書等を基にした総合的な評価を実施します。

The Graduate School of Kyushu Institute of Technology has been grounded in the philosophy of nurturing a “technically skilled, learned, and virtuous person” since the school’s establishment. We aim to train advanced engineers with high-level expertise and deep academic knowledge, and with outstanding ability and abundant creativity to utilize them to carve out a path to a new era.

Therefore, we expect all students who wish to acquire cutting-edge knowledge, research and development capability, and knowledge of borderline areas that touch on other fields to become advanced engineers and researchers in specialized fields of science and engineering.

We expect candidates who have the following potential.
(1) Students with creative thinking as an engineer and advanced knowledge in the specialized engineering field to conduct research and development activities.
(2) Students who understand the role that each specialized field should play in society.
(3) Students with the problem-solving skills necessary for research and development.
(4) Students with the presentation skills necessary for proposing and presenting new technologies, etc.
(5) Students who communicate in English or other foreign languages.
(6) Students who deepen awareness of their role and acquire the attitude to act on their initiative.
(7) Students who plan proposals and manage progress toward solving unknown professional problems.
(8) Students who acquire the attitude to contribute to the promotions and improvements of team activities as a team member.

To accept applicants with these qualities and attitudes, we will conduct a comprehensive evaluation based on an interview (oral examination), a master thesis and its outline, a research (aim) plan, reports on past achievements and work (achievement lists, achievement reports, operating reports, etc.), and transcripts, etc.

【工学府（後期）】
【Graduate School of Engineering (Doctoral Program)】

＜技術者及び研究者としての養成目標＞

「ものづくり」を基盤とした最先端科学技術分野における高度な知識を有し，その科学技術社会への波及効果を十分に理解していることに加え，複数の専門分野の知識を身に付け，問題解決能力，独創力，創造性及び実践的技術者としての必要な資質を持ち，イノベーションを創出できる能力を有する人材の養成を目標としています。
さらに，グローバル化する社会の中で，異文化を理解し多文化環境下で新しい価値を生み出す能力を持ち，かつ，リーダーシップを発揮できる人材の育成も目指しています。

【求める人材】
本学府が入学者に期待することは、全学のアドミッション・ポリシーに加えて以下のとおりです。
・技術者としての独創的思考及び研究開発活動を行うための工学専門分野における高度な知識を修得していること
・新技術等を提案・公表するために必要なプレゼンテーション能力を修得していること
・グローバル社会においてコミュニケーション能力を発揮できること

これらの素養をもつ皆さんを受け入れるため、以下の方針で、各選抜を実施します。

一般選抜
本選抜では、特に研究開発に必要な問題解決能力を実践的な高度技能として修得しており、外国語によるコミュニケーション能力を持ち、新技術等を提案・公表するために必要なプレゼンテーション能力を有し、未知の専門的課題に対して、その解決に向けた計画立案と作業の管理能力を習得している人材を求めます。これらの素養を書類審査及び面接試験により評価します。

社会人特別選抜
本選抜では、特に社会人技術者・研究者等で、在職のまま修学し、大学と社会との交流を深め、学問と技術の発展に寄与しようとする意欲を有し、研究開発に必要な問題解決能力を実践的な高度技能として修得しており、外国語によるコミュニケーション能力を持ち、新技術等を提案・公表するために必要なプレゼンテーション能力を有し、未知の専門的課題に対して、その解決に向けた計画立案と作業の管理能力を習得している人材を求めます。これらの素養を書類審査及び面接試験により評価します。

外国人留学生特別選抜
本選抜では、特に研究開発に必要な問題解決能力を実践的な高度技能として修得しており、未知の専門的課題に対して、その解決に向けた計画立案と作業の管理能力を習得している人材を受け入れます。これらの素養を書類審査及び面接試験により評価します。

＜Engineer and Researcher Development Objective＞
Our objective is to foster talented persons who have skills to innovate, being qualified as a practical engineer with problem-solving skills, originality, and creativity, having acquired knowledge in multiple fields of specialization, in addition to advanced knowledge in the most-advanced fields of science and technology based on “Monozukuri (creative engineering)” and understanding of ripple effects in the world of science and technology.
Furthermore, we also aim to foster talented persons who understand different cultures in a globalized society, have skills to create new value under a multicultural environment, and can exercise leadership.

＜Students we seek＞
We seek talented persons who: (1) have acquired advanced knowledge in specialized fields of engineering for creative thinking and research and development activities as an engineer, (2) have acquired presentation skills that are essential for proposal and announcements of new technologies, etc., and (3) can exercise communication skills in a global society.

＜Students accepted by general admissions selection＞
We accept talented persons who: (1) have acquired problem-solving skills that are essential for research and development as high levels of practical abilities, (2) have learned communication skills in English, and acquired presentation skills that are essential for proposal and announcements of new technologies, etc., and (3) have acquired skills to and manage work for solving unknown specialized challenges.

＜Students accepted by special admissions selection for working people＞
We accept talented persons who: (1) aim to study as engineers, researchers, etc., while working, deepen relationships between the university and society, and make a contribution to academic and technological development, (2) have acquired problem-solving skills that are essential for research and development as high levels of practical abilities, (3) have learned communication skills in English, and acquired presentation skills that are essential for proposal and announcements of new technologies, etc., and (4) have acquired skills to plan and manage work for solving unknown specialized challenges.

＜Students accepted by special admissions selection for international students＞
We accept talented persons who: (1) have acquired problem-solving skills that are essential for research and development as high levels of practical abilities, and (2) have acquired skills to plan and manage work for solving unknown specialized challenges.

＜Basic Policy for Admission Selection＞
General Admissions Selection
For admissions selection, we evaluate (1), (2) and (3) by document screening and interview.

Special Admissions Selection for Working People
For admissions selection, we evaluate (1), (2), (3) and (4) by document screening and interview.

Special Admissions Selection for International Students
For admissions selection, we evaluate (1) and (2) by document screening and interview.

大学院工学府の概要

Overview of Graduate School of Engineering

Ⅰ．博士前期課程　＜Master's Program＞

工学専攻　＜Department of Engineering＞

工学専攻は，「ものづくり」を基盤とした最先端科学技術分野において，開学以来掲げてきた「技術に堪能なる士君子」，すなわち，豊かな教養と技術者倫理ならびにコミュニケーション力を備え，科学技術の進歩に対応できる工学基礎力・専門技術力を有し，国際的に活躍できる専門技術者の素養と能力に加え，深い専門知識とそれに基づく課題発見・設定・解決能力，多様な文化の理解に基づく国際的コミュニケーション力を有するグローバル社会で活躍する高度専門技術者を養成する。

The Graduate School of Engineering aims to fosters － to instill a deep knowledge of science and engineering in high caliber students – the motto of the university since its foundation, in the fields of the most-advanced science and technology based on "Monozukuri (creative engineering)," in other words we educate highly-specialized engineers who will play an active role in global society, provided with a depth and breadth of education, ethics for engineers, and communication skills, having basic engineering skills and specialized technological skills to keep pace with advances in science and technology, in addition to accomplishments and capabilities as an internationally-active professional engineer, having in-depth expertise and abilities to find, set, and solve problems, and global communication skills based on understanding of diverse cultures.

1. 建築学コース〈Architecture Course〉

【教育コースの概要】 Outline of Education Course

教育コース Education Course	概　　要 Outline
建築学コース Architecture Course	心豊かな生活空間を創造するための建築・都市空間に対する計画やデザイン，および安全で快適な建築物を実現するための構造設計，建築環境，建築施工などの技術について教育研究を行う。 This course conducts education and researches on architectural planning and design of buildings or urban areas, in which affluent human living spaces are created. In addition, education and research about the architectural technology of structural design, environmental design or constructions, etc. by which buildings supporting safe and comfortable living are realized, are also conducted.

【教員の研究内容，授業科目】 Research Fields and Course Titles of Faculty Members (Professors)

担当教員 Faculty Members	研究内容（キーワード） Research Fields（Keywords）	担当授業科目 Course Titles
趙　旺熙 CHO　Wanghee	建築環境・建築設備　Zero Energy Building(ZEB)/Zero Energy House(ZEH)のための省エネ技術開発 快適性および生産性の向上　エネルギーグリッド 潜・顕熱分離空調(デシカント空調)　結露リスク評価 Architectural Environment & Building Equipment, Development of Energy-conservation Technology for Zero Energy Building (ZEB) / Zero Energy House (ZEH), Improvement of Thermal Comfort and Productivity, Energy Grid, Dedicated Outdoor Air System (Desiccant Air-conditioning system), Condensation risk assessment	建築学特論 Advanced Architecture and Architectural Engineering 建築環境特論 Advanced Architectural Environment Design
陳　沛山 CHEN　Pei-Shan	建築構造　超高層構造・大空間構造（シェル，膜，ケーブル，スペースフレーム等）　非線形構造解析 構造形態解析　最新構造システムの創出 S-Art 設計理念　古建築構造 Architectural Structure, High-rise Structures and Spatial Structures (Shells, Membranes, Cables, Space frames, etc.), Nonlinear Structural Analysis, Form-finding, New Structure System, Structure-Art (S-Art), Ancient Structures	建築学特論 Advanced Architecture and Architectural Engineering 構造解析特論 Advanced Analysis of Structures
徳田　光弘 TOKUDA　Mitsuhiro	建築計画・建築設計　地域デザイン　まちづくり リノベーション　建築・不動産事業デザイン ものづくり　災害復興デザイン Architectural Planning & Design, Regional Design, Town Management, Renovation, Architecture & Real Estate Business Design, Manufacturing, Reconstruction Design	建築学特論 Advanced Architecture and Architectural Engineering 建築計画特論 Advanced Architectural Planning

2. 国土デザインコース〈Civil Engineering Course〉

【教育コースの概要】 Outline of Education Course

教育コース Education Course	概　　要 Outline
国土デザインコース Civil Engineering Course	「社会基盤施設に関するもの創りをベースとして，都市の再生，さらには都市の持続や自然災害に対する防災システムなど，都市の安全・安心に関わる技術」と「調和の取れた環境デザインを目標として，日常生活における環境問題を克服し，次世代に安全で潤いのある生活空間を提供するための技術」について教育研究を行う。 This course conducts education and researches on “Civil Engineering Technology of social infrastructure facilities which covers urban regeneration, sustainability and disaster prevention system” and “Environmental Design that takes into account the development, conservation and regeneration of cities and regions to provide the next generation with a safe, secure and sustainable society”.

【教員の研究内容，授業科目】 Research Fields and Course Titles of Faculty Members (Professors)

担当教員 Faculty Members	研究内容（キーワード） Research Fields（Keywords）	担当授業科目 Course Titles
厳島　怜 ITSUKUSHIMA Rei	水防災　河川地形　河川生態系　河川工学　流域圏科学 Water-Related Disaster Management, Fluvial Geomorphology, River Ecosystem, River Engineering, Watershed Science	河川工学特論 Advanced River Engineering
伊東　啓太郎 ITO　Keitaro	エコロジカル・デザイン　ランドスケープ・デザイン 緑地設計　都市生態学　自然環境保全　景観生態学 Ecological Design,Landscape Design, Green Space Planning, Urban Ecology, Preserving Natural Environment, Landscape Ecology	環境保全と生態工学 Environmental Preservation and Ecological Engineering
鬼束　幸樹 ONITSUKA　Kouki	静水圧　管路流　開水路流 Hydrostatic Pressure Distribution, Duct Flow, Open-Channel Flow	水工学特論 Advanced Hydraulics
川尻　峻三 KAWAJIRI　Shunzo	地盤工学　地盤防災工学　地盤構造物　自然災害 Geotechnical Engineering, Geo-Disaster Prevention Engineering, Geotechnical Structures, Natural Disaster	地盤防災工学特論 Advanced Ground Disaster Prevention 地盤工学特論 I Advanced Geotechnical Engineering I
斉木　功 SAIKI　Isao	計算力学　構造工学　橋梁工学　鋼構造 Computational Mechanics, Structural Mechanics, Bridge Engineering, Steel Structure	

重枝　未玲 SHIGE-EDA　Mirei	水工水理学　数値流体力学　河川工学 ダム・湖沼工学　　氾濫の水理 Hydraulic Engineering, Computational Fluid Dynamics, River Engineering, Reservoir Sedimentation, Flood Inundation Modeling	数値水理学 Computational Hydraulics
高井　俊和 TAKAI　Toshikazu	構造工学　橋梁工学　鋼構造　ボルト継手　信頼性設計 Structural Engineering, Bridge Engineering, Steel Structure, Bolted Connection, Reliability Design	鋼構造特論 Advanced Steel Structure
寺町　賢一 TERAMACHI Kenichi	交通計画　バリアフリー　生活交通　都市防犯 防災避難計画 Transportation Planning, Barrier Free, Local Transportation, Crime Prevention, Evacuation Planning	バリアフリー交通論 Barrier Free Traffic
原田　健二 HARADA　Kenji	コンクリート工学　物質移動　練混ぜ水 Concrete Engineering, Mass Transfer, Mixing water	
日比野　誠 HIBINO　Makoto	建設材料学　施工　電気化学的防食工法 Construction Materials, Construction Works, Electrochemical Corrosion Control,	建設材料学 Construction Materials
廣岡　明彦 HIROOKA　Akihiko	地盤工学　地盤環境工学　地盤防災　構造物基礎 廃棄物処理 Geotechnical Engineering, Geoenvironmental Engineering, Ground Disaster Prevention Engineering, Foundation Engineering, Waste Treatment	地盤工学特論Ⅰ, Ⅱ Advanced Geotechnical Engineering Ⅰ, Ⅱ
吉武　哲信 YOSHITAKE Tetsunobu	土地利用マネジメント　社会的合意形成マネジメント 過疎地域の移動サービス　地域づくり Land Use Management, Consensus Building Management, Transportation System in Underpopulated Areas, Community Vitalization	道路交通環境 Road Traffic and Environment 国土及び地域整備計画 Theory and Practice of Communicative Infrastructure Planning

3.　知能制御工学コース〈Control Engineering Course〉

【教育コースの概要】　Outline of Education Course

教育コース Education Course	概　　要 Outline
知能制御工学コース Control Engineering Course	種々の動的な装置には，高性能化，小型化，高知能化技術，あるいは人間に優しいなどの特性が要求される。本コースではこのような要求にこたえるために，制御工学，知能工学，計測工学，電気工学および機械工学などからなるメカトロニクスを中心とした教育研究を行う。 Various machines are commonly expected to be designed to possess state-of-the-art technologies such as higher performance, smaller size, artificial intelligence technologies, and even human-friendly features. This course provides students with a graduate program focused on mechatronics, which encompasses control engineering, artificial intelligence, instrumentation engineering, electrical engineering, and mechanical engineering.

【教員の研究内容，授業科目】　Research Fields and Course Titles of Faculty Members (Professors)

担当教員 Faculty Members	研究内容（キーワード） Research Fields （Keywords）	担当授業科目 Course Titles
井上　雅世 INOUE　Masayo	バイオデータ解析　機械学習　複雑系科学 Bio-data Analysis, Machine Learning, Complex Systems Science	現象数理学特論 Modeling Complex Systems and Applications
田村　かおり TAMURA　Kaori	生体医工学　生体情報計測・解析　脳波　感覚情報 Biomedical Engineering, Biosignal Measurement and analysis, Electroencephalogram (EEG), Sensory Information	生体情報解析特論 Advanced Biosignal Analysis
神谷　亨 KAMIYA　Tohru	コンピュータ画像診断支援　経時差分処理 パターン認識　医用画像処理 Computer Aided Diagnosis, Temporal Subtraction, Pattern Recognition, Medical Image Processing	知的システム構成特論 Advanced Intelligent System
小村　啓 KOMURA　Hiraku	センサ工学，知覚情報処理，触覚学，ヒューマンインターフェース Sensor Engineering, Perceptual Information Processing, Haptics, Human Interface	生体・感覚計測特論 Biosensing and Sensory Measurement
坂井　伸朗 SAKAI　Nobuo	ロボティクス　医用・福祉工学　バイオメカニクス 設計工学　トライボロジ Robotics, Biomedical Engineering, Biomechanics, Mechanical Design Engineering, Tribology	生体機能設計学特論 Advanced Bionic Design
相良　慎一 SAGARA　Shinichi	水中ロボット　宇宙ロボット　マニピュレータ ディジタル制御 Underwater Robot, Space Robot, Manipulator, Digital Control	ロボティクス特論 Advanced Robotics 制御システム特論 Advanced Control Systems Theory

丹上　結乃純 TANJO　Yui	マイビジョン（人の第 3 の目）　3 次元復元　知的映像認識 人の挙動解析　機械学習　知能ロボット MY VISION, 3D Recovery, Intelligent video Recognition Human Motion Analysis, Machine Learning, Intelligent Robot	視覚情報解析特論 Advanced Visual Information Analysis
松尾　一矢 MATSUO　Kazuya	クラスタリング　主成分分析　回帰分析　統計的検定 データサイエンス Clustering, Principal Component Analysis, Regression Analysis, Statistical Testing, Data Science.	データ分析特論 Advanced Data Analytics

4.　機械工学コース〈Mechanical Engineering Course〉

【教育コースの概要】　Outline of Education Course

教育コース Education Course	概　　要 Outline
機械工学 コース Mechanical Engineering Course	今後も新しい「ものづくり」の中心的役割を担うのが機械工学である。本コースでは，宇宙システム工学コースと連携して，１)材料に要求される様々な機能・強度を実現するための各種新素材や機能材料の力学的挙動の解明と機能発現・強度評価，２)機械や装置の生産に関係する加工現象解析，加工装置の性能向上，設計から生産に至る情報処理やそれを統合するシステム技術，３)熱流体エネルギーの変換と高効率利用，熱流体・粒子間の力学的相互作用によって発生する諸現象の解明と応用を核とした教育研究を行い，幅広い視野を持つエンジニアを養成する。 Mechanical engineering plays a central role in new products manufacturing (*"Monozukuri"*) at all times. This mechanical engineering course is performed in collaboration with the space systems engineering course. The education and research provided in the course aims at training engineers with broad horizons based on the following: 1) Study of mechanical behavior of advanced materials and functional materials so as to choose the most adequate material with regards to customer's requirements, such as functionality and strength . 2) Study of production process analysis of machines and products, high performance of manufacturing equipment, and information and its integrated system technology from design to production. 3) Study of energy conversion of heat transfer, fluid dynamics, and high performance systems, as well as the study of mechanical interaction phenomena between particles.

【教員の研究内容，授業科目】　Research Fields and Course Titles of Faculty Members (Professors)

担当教員 Faculty Members	研究内容（キーワード） Research Fields　(Keywords)	担当授業科目 Course Titles
市原　大輔 ICHIHARA　Daisuke	電気推進工学　衝撃波工学　プラズマ物理学 医療・バイオ応用 Electric propulsions, Shock waves, Plasma physics, Bio/Medical applications	電離気体力学特論 Advanced ionized gas dynamics

小澤　晃平 OZAWA　Kohei	航空宇宙推進　圧縮性流体力学　粘性流体力学　燃焼 ハイブリッドロケット推進　気体爆轟 Aerospace Propulsion, Compressible Fluid Dynamics, Viscose Fluid Dynamics, Combustion, Hybrid Rocket Propulsion, Gas Detonation	実験燃焼流体力学特論 Advanced Experimental Combustible Flow Dynamic
吉川　浩一 KIKKAWA　Koichi	生産の高度自動化技術　高精度加工法の開発　CAD/CAM Production Engineering, High Precision Manufacturing, CAD/CAM	生産情報処理学特論 Advanced Production Information Processing Technology
黒島　義人 KUROSHIMA Yoshihito	材料強度　金属疲労　実験力学　超高サイクル疲労 Fracture and Strength of Materials, Fatigue, Experimental Mechanics, Very High Cycle Fatigue	材料強度学特論 Advanced Fracture and Strength of Materials
児玉　高志 KODAMA　Takashi	マルチスケール電気・熱伝導測定　界面熱輸送 ナノ構造材料　高熱伝導材料　断熱材　熱デバイス設計 Multiscale electrical and thermal conduction measurement, thermal interfacial heat transport, nanostructured materials, high thermal conductive	応用熱事象学特論 Advanced Thermal Science and Engineering
薦田　亮介 KOMODA　Ryosuke	金属疲労　水素脆化　機械材料　実験力学 Metal Fatigue, Hydrogen Embrittlement, Materials for Mechanical Engineering, Experimental Mechanics	金属疲労特論 Advanced Metal Fatigue
清水　浩貴 SHIMIZU　Hiroki	精密計測　精密位置決め　機械計測　光応用 Precision Measurement, Precision Positioning, Mechanical Measurement, Applied Optics	計測工学特論 Advanced Measurement Engineering
坪井　伸幸 TSUBOI　Nobuyuki	圧縮性流体力学　粘性流体力学　希薄気体力学 数値流体力学　化学反応　燃焼　航空・宇宙用推進 Compressible Fluid Dynamics, Viscous Fluid Dynamics, Rarefied Gas Dynamics, Computational Fluid Dynamics, Chemical Reaction, Combustion	数値流体力学特論 Computational Fluid Dynamics 高速気体力学特論 High-Speed Gas Dynamics
永岡　健司 NAGAOKA　Kenji	宇宙ロボティクス・メカトロニクス　惑星探査ロボット 軌道上サービスロボット　極限探査技術 Space Robotics and Mechatronics, Planetary Exploration Robot, On-Orbit Servicing Robot, Extreme Exploration Technology	宇宙ロボティクス特論 Advanced Space Robotics
長山　暁子 NAGAYAMA　Gyoko	熱工学　ナノ・マイクロ伝熱　分子動力学解析 界面現象 Thermal Science and Engineering, Nano/Microscale Heat Transfer, Molecular Dynamics Simulation, Interface Phenomena	伝熱学特論 Advanced Heat Transfer
松田　健次 MATSUDA　Kenji	トライボロジー　コーティング　硬さ試験　摩擦　寿命 Tribology, Coating, Hardness Test, Friction, Life	機能表面工学特論 Advanced Functional Surface Engineering

松本　紘宜 MATSUMOTO　Koki	高分子複合材料　プラスチック成形加工　高分子レオロジー 組織制御 Polymer Composites, Polymer Processing, Polymer Rheology, Morphology Control	成形加工学特論 Advanced Polymer Processing
矢吹　智英 YABUKI　Tomohide	熱工学　ナノ・マイクロ伝熱　沸騰熱伝達　MEMS 熱計測 Thermal Engineering, Nano/Microscale Heat Transfer, Boiling Heat Transfer, MEMS Thermal Measurement	熱流体力学特論 Advanced Thermal and Fluid Transport Phenomena
大熊 信之 OKUMA　Nobuyuki	トポロジカル絶縁体・超伝導体の理論 非エルミート物理系の数理　熱的輸送の理論 物性物理学における機械学習 Theory of topological insulators/superconductors,	統計的機械学習特論 Advanced Statistical Machine Learning
鈴木　智成 SUZUKI　Tomonari	非線形解析学　凸解析学　集合値解析　不動点 非拡大半群 Nonlinear Analysis, Convex Analysis, Set-Valued Analysis, Fixed Point,	非線形解析学特論 Advanced Nonlinear Analysis
田中　将嗣 TANAKA　Masashi	無機機能性材料　新奇超伝導体 超高圧力　アンモニア利用　X 線結晶構造解析 Inorganic Functional Materials, Novel Superconducting Materials,	超伝導材料特論 Advanced Superconducting Materials
野田　尚廣 NODA　Takahiro	微分方程式の幾何学　微分式系　リー代数 微分方程式の対称性　幾何学的不変量 Geometry of Differential Equations, Exterior Differential Systems,Lie Algebras, Symmetries of Differential Equations,	応用幾何学特論 Applied Geometric Theory
若狭　徹 WAKASA　Tohru	反応拡散系　非線形偏微分方程式 分岐構造とダイナミクス　微分方程式論 非線形解析学　現象数理 Reaction Diffusion Systems, Nonlinear Partial Differential Equations, Bifurcation Structure and Dynamics, Differential Equations, Nonlinear Analysis, Mathematical Modeling	応用解析特論 Advanced Applied Analysis

5. 宇宙システム工学コース〈Space Systems Engineering Course〉

【教育コースの概要】 Outline of Education Course

教育コース Education Course	概　　要 Outline
宇宙システム工学コース Space Systems Engineering Course	宇宙システムに代表される複雑な工学システムを，機械工学、電気工学を軸として構築できる素養を身につけるために，基礎となる機械工学、電気工学の知識をシステム工学・プロジェクト管理の観点で組み合わせることで，宇宙システムに関する種々の技術課題について教育研究を行う。 This course offers education and researches on various technical issues related to space systems, aiming to train a mechanical engineer and an electrical engineer to be able to establish complex system represented by a space system, through the perspectives of systems engineering and project management.

【教員の研究内容，授業科目】 Research Fields and Course Titles of Faculty Members (Professors)

担当教員 Faculty Members	研究内容（キーワード） Research Fields （Keywords）	担当授業科目 Course Titles
浅海　賢一 ASAMI　Kenichi	衛星データ利用　自律システム応用 画像計測　画像センシング　組み込みシステム Satellite Data Utilization, Autonomous Systems Application, Image Measurement, Image Sensing, Embedded Computing	組み込みシステム特論 Advanced Embedded Systems
岩田　稔 IWATA　Minoru	宇宙環境　劣化　熱制御　熱物性　機能性材料　材料物性 Space Environments, Degradation, Thermal Control, Thermophysical Properties, Functional Materials, Materials Properties	宇宙材料劣化特論 Materials Degradation in Space Environments
北川　幸樹 KITAGAWA　Koki	ハイブリッドロケット推進　固体ロケット推進 レーザ点火　ロケットシステム　燃焼　伝熱 Hybrid Rocket Propulsion, Solid Rocket Propulsion, Laser Ignition, Rocket System, Combustion, Heat Transfer	ロケット推進工学特論 Advanced Rocket Propulsion Engineering
北村　健太郎 KITAMURA　Kentaro	宇宙環境計測　超小型衛星　宇宙天気 Space Environment Measurement Microsatellite, Space Weather	宇宙環境科学特論 Advanced Space Environment Science
寺本　万里子 TERAMOTO　Mariko	宇宙天気　宇宙空間物理 Space Weather, Solar Terrestrial Physics	太陽系惑星環境特論 Solar System Planetary Physics and Environments
豊田　和弘 TOYODA　Kazuhiro	耐宇宙環境技術　宇宙機の帯放電現象　電気推進 Space Environment Technology, Spacecraft Charging and Discharging, Electric Propulsion	エネルギー工学特論 Energy Conversion and Plasma Physics

花沢　明俊 HANAZAWA　Akitoshi	視覚認知　視覚モデル　画像認識　機械学習　並列計算 宇宙通信 Visual Perception, Vision Modeling, Pattern Recognition, Machine Learning, Parallel Processing, Space Communications	視覚画像認識特論 Vision and Image Recognition
平木　講儒 HIRAKI　Koju	火星大気飛行システム　大気突入カプセル 太陽風推進 Martian Atmospheric Flight System, Atmospheric Entry Capsule, Solar-Wind Propulsion	スペースダイナミクス特論 Advanced Space Dynamics

6. 電気エネルギー工学コース〈Electrical Engineering Course〉

【教育コースの概要】 Outline of Education Course

教育コース Education Course	概　　要 Outline
電気エネルギー工学コース Electrical Engineering Course	巨大エネルギーシステムから分散型電源・自動車・宇宙に至るまで，これからの環境調和高度エネルギー社会をインフラとして支える電気エネルギーの発生・輸送・消費・貯蔵，および超高速･超高密度情報記録，高出力素子から固体照明まで，次世代の電子デバイスと，半導体を柱にしたデバイス材料の開発と応用，デバイス化プロセス，新機能デバイスの開発に関する様々な技術課題について教育研究を行う。 The course provides the highest level engineering education and research projects based on the multi-disciplinary approach over the electric energy management technology and electronic device technology toward future green society, covering a variety of industry segments including, power electronics, large scale energy system, decentralized power source, automotive and spacecraft. The course addresses innovative technological issues related to material, design, production process, assembling and applications of electronic devices together with generation, transport, consumption and storage of electric energy.

【教員の研究内容，授業科目】 Research Fields and Course Titles of Faculty Members (Professors)

担当教員 Faculty Members	研究内容（キーワード） Research Fields （Keywords）	担当授業科目 Course Titles
安部　征哉 ABE　Seiya	スイッチング電源　パワーエレクトロニクス　電気・電子回路　制御工学 Switch Mode Power Supply, Power Electronics, Electric and Electronic Circuit, Control engineering	スイッチング電源特論 Advanced Switch Mode Power Supply
和泉　亮 IZUMI　Akira	半導体プロセス　薄膜堆積　表面洗浄 Semiconductor Processing, Thin Film Deposition, Surface Cleaning	集積回路プロセス特論 Advanced Integrated Circuits Fabrication
大塚　信也 OHTSUKA　Shinya	電力・高電圧工学　部分放電　先端計測・診断 データ解析　航空機耐雷・複合材　環境低負荷 安全安心技術 Electric Power and High Voltage Engineering, Partial discharge, Advanced Measurement and Diagnostic Technologies, Data Analysis, Lightning Protection of Airplane & Composite Material, Environmental-Friendly Technologies & EMC, Safety Issues and Security	電力システム制御解析特論 Advanced Electric Power System Control and Analysis

片宗　優貴 KATAMUNE　Yuki	結晶構造　結晶成長　固体物性 ワイドバンドギャップ半導体　ダイヤモンド Crystal Structure, Crystal Growth, Solid State Properties, Wide Bandgap Semiconductors, Diamond	半導体結晶工学特論 Advanced Topics in Semiconductor Crystal Engineering
小迫　雅裕 KOZAKO　Masahiro	誘電・絶縁材料工学　ナノ材料　機能性材料 高電圧・絶縁工学　絶縁診断 Dielectrics and Electrical Insulation, Nano-materials, Functional Materials, High Voltage and Insulation Engineering, Insulation Diagnosis	誘電体工学特論 Advanced Dielectric Engineering
佐竹　昭泰 SATAKE　Akihiro	電力・エネルギー利用　再生可能エネルギー 省エネルギーカーボンニュートラル Use of Electric Power and Energy, Renewable Energy, Energy Saving, Carbon Neutral	電力エネルギー特論 Electric Power and Energy
白土　竜一 SHIRATSUCHI Ryuichi	太陽電池　透明導電膜　光触媒　二酸化炭素の固定 Solar Cells,Transparent Conducting Films, Photocatalysis, Carbon Dioxide Fixation	電気材料特論 Advanced Electrical Materials
内藤　正路 NAITOH　Masamichi	表面構造解析　半導体デバイス　グラフェン カーボンナノチューブ　ナノ材料 Surface Structure Analysis, Semiconductor Devices, Graphene, Carbon Nanotube, Nano Materials	薄膜デバイス特論 Fundamentals of Thin-Film Devices and Processing
長谷川　一徳 HASEGAWA Kazunori	パワーエレクトロニクス　電力応用　受動素子 パワー半導体　信頼性 Power Electronics, Electric Power Applications, Passive Components, Power Semiconductors, Reliability	電気エネルギー変換工学特論 Electric Energy Conversion Technology
松平　和之 MATSUHIRA Kazuyuki	強相関電子系　交差相関物性 フラストレート系磁性体 Strongly Correlated Electron Systems, Cross-Correlated Materials, Frustrated Magnets	電子物性基礎論 Fundamentals of Solid State Physics
渡邊　政幸 WATANABE Masayuki	電力系統　動特性解析　系統安定化制御 Power System, Power System Dynamics Analysis, Power System Control	電力制御特論 Advanced Power Control
大門　秀朗 OKADO　Hideaki	走査トンネル顕微鏡　表面・界面物性　ナノ材料 透過電子顕微鏡　原子・電子構造 Scanning Tunneling Microscopy, Surface and Interface Properties, Nano Materials, Transmission Electron Microscopy, Atomic and Electronic Structures	メゾスコピック系物理学特論 Mesoscopic Physics
竹澤　昌晃 TAKEZAWA　Masaaki	磁気応用　磁区観察　永久磁石　電磁鋼板 Magnetic Application, Magnetic Domain Observation, Permanent Magnet, Si-Fe Electrical Sheet	磁気工学特論 Magnetic Engineering
中尾　基 NAKAO　Motoi	半導体　SOI　電子デバイス　光デバイス 光電子集積回路 Semiconductor, SOI, Electron Device, Optical Device, Electron-photon Merged Device	半導体薄膜電子デバイス特論 Semiconductor Thin-film Devices

小田　勝 ODA　Masaru	光物性物理　光機能性材料　半導体量子ドット 有機ナノ構造　　有機無機複合材料　顕微・超高速分光 Solid State Photophysics, Optical Functional Materials, Semiconductor Quantum Dots, Organic Nanostructures, Organic-Inorganic Hybrid Materials, Ultrafast / Microscopic Spectroscopy	ナノ構造光物性特論 Photophysics of Nanostructures

7. 電子システム工学コース〈Electronic Engineering Course〉

【教育コースの概要】 Outline of Education Course

教育コース Education Course	概　　要 Outline
電子システム 工学コース Electronic Engineering Course	ディジタルテレビ，携帯電話，自動車の電子制御ユニットなど，マイクロプロセッサを組み込んだ高度な電子システム製品が多くなっている。 本コースでは，アナログ・ディジタル回路，プログラミングなどの基礎技術から，センシング・制御技術，画像・音声信号処理技術，通信・ネットワーク技術などのシステム要素技術，およびこれらを統合するシステム化技術についての教育研究を行う。 All around us, there are various products using microcomputers such as digital televisions, mobile phones, and automobile electrical control units; the number of these systems increases day by day. The Electronic Engineering course offers an education concerning basic technologies such as an analog circuit, a digital circuit, and programming. Furthermore, the course educates and studies the element and system technologies concerning sensing, control, image processing, audio signal processing, telecommunication, and network technologies.

【教員の研究内容，授業科目】 Research Fields and Course Titles of Faculty Members (Professors)

担当教員 Faculty Members	研究内容（キーワード） Research Fields （Keywords）	担当授業科目 Course Titles
池永　全志 IKENAGA　Takeshi	コンピュータネットワーク　インターネット 経路制御　通信品質制御　マルチホップ無線網 Computer Network, Internet, Routing, Quality of Service, Wireless LAN, Energy Efficient Networking	インターネット工学特論 Advanced Internet Technologies
河野　英昭 KAWANO　Hideaki	ファジィ論理　ニューラルネット　進化計算 システム工学　サイバネティクス Fuzzy Logic, Neural Networks, Evolutionary Computation, Systems Engineering, Cybernetics	ソフトコンピューティング特論 Advanced Softcomputing
芹川　聖一 SERIKAWA　Seiichi	センサ　計測　知的センシング　画像処理 センシングシステム　組み込みシステム Sensor, Measurement, Intelligent Sensing, Image Processing, Sensing System, Embedded System	センシング基礎特論 Sensing Engineering
張　力峰 ZHANG　Lifeng	画像圧縮　画像融合　バイオメトリクス認証 画像センシング　生物画像識別　高齢者支援 Image Compression, Image Fusion, Biometric Authentication, Image Sensing, Creature Identification, Elderly Support	画像信号処理特論 Advanced Image Signal Processing

中藤　良久 NAKATOH　Yoshihisa	音声認識　音声合成　音声圧縮　オーディオ符号化 聴覚処理　補聴処理　福祉支援 Speech Processing (Recognition, Synthesis, Coding, etc) Assistive Technologies (Hearing Aid, etc), Accessibility	新規事業創出論 Advanced Course for New Technology Development ベンチャービジネス創出論 Advanced Course for Venture Business
野林　大起 NOBAYASHI　Daiki	コンピュータネットワーク　無線ネットワーク メディアアクセス制御　無線 LAN　LPWA 車両ネットワーク Computer Network, Wireless Network, Media Access Control, Wireless LAN, LPWA, Vehicular Network	無線ネットワーク工学特論 Advanced Wireless Network Technology
廣瀬　幸 HIROSE　Miyuki	アンテナ　電波伝搬　無線通信　リモートセンシング 物理層セキュリティ Antenna, Radio Propagation, Wireless communications Remote Sensing, Physical Security	ワイヤレス通信工学特論 Advanced Wireless Communication Engineering
松嶋　徹 MATSUSHIMA　Tohlu	環境電磁工学　電気電磁回路　低電磁ノイズ実装 高速デジタル通信 Electromagnetic Compatibility (EMC), Electrical and Electromagnetic Circuit, Low Electromagnetic Noise Packaging, High Speed Digital Signaling	環境電磁工学特論 Advanced Electromagnetic Compatibility
水町　光徳 MIZUMACHI Mitsunori	音情報処理　音響信号処理　オーディオ工学　主観評価 脳活動計測 Acoustic Information Processing, Acoustic Signal Processing, Audio Engineering, Subjective Evaluation, Brain Imaging	音響信号処理特論 Advanced Acoustic Signal Processing
山脇　彰 YAMAWAKI　Akira	ディジタル回路システム　ディジタル回路設計法 センサ応用システム　リコンフィギャラブルシステム 組み込みシステム　コンピュータアーキテクチャ Digital Circuit Systems,Digital Circuit Design, Sensor Application Systems,Reconfigurable Systems, Embedded Systems, Computer Architecture	ディジタル回路システム特論 Digital Circuit System
楊　世淵 YANG　Shiyuan	光情報処理　光計測　ディジタルホログラフィ 三次元計測　位置検出システム Optical Information Processing, Optical Measurement, Digital Holography, 3D Measurement, Position Detection System	光計測システム特論 Optical Measurement System
本田　崇 HONDA　Takashi	磁気応用　マイクロマシン　マイクロロボティクス バイオミメティクス　科学教材 Applied Magnetics, Micromachine, Microrobotics, Biomimetics, Science Education	ＭＥＭＳ工学特論 Micro Electromechanical Systems
大輪　拓也 OHWA　Takuya	確率論　グラフ理論　機械学習　イジングマシン Probability Theory, Graph Theory, Machine Learning, Ising Machine	確率特論 Advanced Probability Theory

平之内 俊郎 HIRANOUCHI Toshiro	類体論　代数的K理論 Class Field Theory, Algebraic K-theory	応用代数学特論 Advanced Applied Algebraic Theory
藤田　敏治 FUJITA　Toshiharu	数理計画　最適化　動的計画　決定過程 オペレーションズ・リサーチ Optimization, Mathematical Programming, Dynamic Programming Theory, Decision Processes, Operations Research	計画数学特論 Advanced Mathematical Programming and Control

8.　応用化学コース〈Applied Chemistry Course〉

【教育コースの概要】　Outline of Education Course

教育コース Education Course	概　　要 Outline
応用化学コース Applied Chemistry Course	物質や材料の高度利用が要求される２１世紀の科学技術の要請に応えるために，常に目的に応じた新規な機能をもつ分子の合成，材料の開発が要求される。それと同時に，それらが示す機能を高度に制御していく手法も必要である。また，開発した材料等を利用するためのシステムやプロセスに関する知識も不可欠である。 このような社会的要請に応え，高度な物質と材料の開発，システムの構築に対応できる学生を育成するため，応用化学を基盤とした幅広い教育研究を行う。 To meet the scientific and technological demands of the 21st century, which call for the sophisticated use of substances and materials, there is an urgent need for materials development and synthesis of molecules having functions relevant to their intended applications. In addition, methods for the sophisticated control of these functions are also necessary. Furthermore, knowledge relating to the systems and processes in which the developed materials can be used is essential. To nurture students who can respond to the aforementioned demands and develop sophisticated substances and materials and build systems, we conduct a wide range of education and research based on applied chemistry.

【教員の研究内容，授業科目】　Research Fields and Course Titles of Faculty Members (Professors)

担当教員 Faculty Members	研究内容（キーワード） Research Fields （Keywords）	担当授業科目 Course Titles
植田　和茂 UEDA　Kazushige	蛍光体　透明導電体　酸化物　半導体　電子構造 Phosphors, Transparent Conductors, Oxides, Semiconductors, Electronic Structure	精密無機材料合成特論 Advanced Inorganic Materials Chemistry
岡内　辰夫 OKAUCHI　Tatsuo	有機合成　有機金属　有機リン化合物 複素環化合物合成　炭素骨格形成反応 Organic Synthesis, Organometallic Chemistry, Organophosphorus Compounds, Heterocyclic Chemistry, C-C bond formation	有機合成化学特論 Advanced Synthetic Organic Chemistry 有機金属化学特論 Advanced Organometallic Chemistry
北村　充 KITAMURA　Mitsuru	有機合成　全合成　天然物　アミノ化　ジアゾ化合物 アジド　複素環 Organic Synthesis, Total Synthesis, Natural Products, Amination, Diazo-compounds, Azido, Heterocycles	精密有機合成化学特論 Advanced Syntheses and Reactions in Organic Chemistry
齋藤　泰洋 SAITO　Yasuhiro	熱物質移動現象　数値流体力学 Heat and Mass Transfer, Computational Fluid Dynamics	移動現象特論 Transport Phenomena

佐藤　しのぶ SATO　Shinobu	バイオ電気化学　超分子化学　バイオチップ Bioelectrochemistry, Supramolecular chemistry, Biochip	バイオ計測学特論 Advanced Bioanalytical Chemistry
城﨑　由紀 SHIROSAKI　Yuki	生体材料　再生医療　細胞　組織工学 Biomaterials,　Regenerative Medicine, Cell, Tissue Engineering	生体機能化学特論 Advanced Biofunctional Chemistry
坪田　敏樹 TSUBOTA　Toshiki	炭素材料　電気化学キャパシタ　バイオ炭 Carbon Material, Electrochemical Capacitor, Biochar	ナノ材料化学特論 Nanomaterial Chemistry 機能材料創製特論 New Functional Material
中戸　晃之 NAKATO　Teruyuki	無機ナノシート　液晶　ソフトマテリアル 無機－有機相互作用　光機能材料 Inorganic Nanosheet, Liquid Crystal, Soft Material, Inorganic-Organic Interactions, Photofunctional Material	集合体化学特論 Chemistry of Hybrid Materials 無機化学概論 Inorganic Chemistry
毛利　恵美子 MOURI　Emiko	ソフトマテリアル　高分子　セルロース材料 フラーレン複合材料 Soft Materials, Polymer, Cellulose Materials, Fullerene Composite	高分子科学特論 Advanced Polymer Science
森口　哲次 MORIGUCHI　Tetsuji	構造有機化学　芳香族　錯体化学　有機半導体 光機能材料 Structural Organic Chemistry, Aromatics, Coordination Chemistry, Organic Semiconductor, Light functional materials	錯体化学特論 Advanced Coordination Chemistry
森本　浩之 MORIMOTO　Hiroyuki	有機合成　触媒　グリーンケミストリー　不斉反応 計算化学　複素環 Organic Synthesis, Catalysis, Green Chemistry, Asymmetric Reaction, Computational Chemistry, Heterocycles	情報有機化学特論 Cheminformatics in Organic Chemistry
山村　方人 YAMAMURA　Masato	コーティング　相分離　ポリマーフィルム　乾燥 Thin Liquid Film Coating, Phase Separation, Polymer Film, Drying	化学工学概論 Chemical Engineering Exercise 工業反応装置特論 Advanced Chemical Reaction Engineering
吉田　嘉晃 YOSHIDA　Yoshiaki	高分子化学　有機合成　有機機能材料　環境調和型高分子 Polymer Chemistry, Organic Synthesis, Functional Organic Materials, Sustainable Polymers	機能性高分子化学特論 Functional Polymers
渡辺　真仁 WATANABE　Shinji	物性理論　磁性　超伝導　量子輸送現象　量子多体系 強相関電子系 Condensed Matter Physics Theory, Magnetism, Superconductivity, Quantum Transport Phenomena, Quantum Many Body System, Strongly Correlated Electron System	物性物理学特論 Advanced Solid State Physics

9.　マテリアル工学コース〈Materials Science and Engineering Course〉

【教育コースの概要】　Outline of Education Course

教育コース Education Course	概　　要 Outline
マテリアル工学コース Materials Science and Engineering Course	材料の持つべき物性を満足する構造を決める「物性最適化」と，そのような構造を合成するための「合成最適化」に関する学問体系を核とした基礎分野の上に成り立ち，実際に新規金属材料やセラミックスなどの開発を行うことができる高度な実験並びに専門技術を修得できるようカリキュラムを編成している。 また，材料科学工学の深化・細分化・応用拡大が急速に展開される現代の社会情勢に対応するため，「１．材料の構造・性質，２．材料の機能・設計，３．材料のプロセス」の３本柱を中心にして，“実践的な材料開発・応用ができる研究者，高度専門技術者の育成”を目指した教育研究を行う。 Building on the basic areas defined by the academic framework relating to physical properties optimization, which determines the structure that satisfies the necessary physical properties of a material, and Synthesis Optimization for synthesizing these kinds of structures, we have built a curriculum that allows students to acquire knowledge of sophisticated experiments as well as the expertise to develop materials such as new metals or ceramics. Moreover, to respond to the current state of society where fragmentation, and the expansion of the range of applications in materials science engineering are progressing fast, we conduct education and research centered around three pillars—1) materials structure/properties, 2) materials function/design, and 3) materials processing—thus aiming to “nurture researchers and highly expert engineers who are capable of practical material development and application.”

【教員の研究内容，授業科目】　Research Fields and Course Titles of Faculty Members (Professors)

担当教員 Faculty Members	研究内容（キーワード） Research Fields （Keywords）	担当授業科目 Course Titles
石丸　学 ISHIMARU　Manabu	量子ビーム技術　構造解析 透過電子顕微鏡　シミュレーション Quantum Beam Technology, Structure Analysis, Transmission Electron Microscopy, Simulation	極微構造解析学特論 Advanced Structure Analysis
岡田　達典 OKADA　Tatsunori	超伝導線材　磁場中通電特性　機械特性 超伝導渦糸の物理 Superconducting Tapes/Wires, In-field Transport Properties, Mechanical Properties, Physics of Superconducting Vortices	超伝導応用特論 Applied Superconductivity
北村　貴典 KITAMURA　Takanori	溶接　継手強度　溶接変形　熱伝導 Welding, Joint Strength, Welding Deformation, Heat Conduction	溶接力学特論 Welding Mechanics

制野　かおり SEINO　Kaori	計算物質科学　表面物理　半導体工学　ナノ構造 Computational Materials Science, Surface Physics, Semiconductor Physics and Devices, Nanostructures	材料ナノシミュレーション特論 Nanoscale Simulation of Materials
高須　登実男 TAKASU　Tomio	素材プロセス　材料リサイクル　金属製錬 廃棄物処理プロセス開発と制御 Materials Processing, Materials Recycling, Metallurgical Extraction and Refining, Development and Control of Waste Treatment Processes	材料反応速度特論 Advanced Reaction Kinetics in Materials Processing
徳永　辰也 TOKUNAGA　Tatsuya	材料・プロセス設計　状態図　相平衡　相変態 Materials Design and Processing, Phase Diagrams, Phase Equilibria, Phase Transformations	材料相変態特論 Phase Transformations in Materials
中村　和磨 NAKAMURA　Kazuma	物性理論　第一原理計算　多体摂動論 低エネルギー有効模型導出　　強相関電子系 Condensed Matter Theory, First Principles Calculation, Many-Body Perturbation Theory, Ab Initio Derivation of Effective Low-energy Model, Strongly Correlated Electron System	固体物理学特論 Advanced Solid State Physics
堀部　陽一 HORIBE　Yoichi	機能性材料　材料物性　結晶構造　相転移　電子顕微鏡 Functional Materials, Physical Properties, Crystal Structure, Phase Transitions, Electron Microscopy	構造相転移学特論 Advanced Structural Phase Transition
美藤　正樹 MITO　Masaki	超伝導　ＳＱＵＩＤ　精密磁気測定　超高圧実験 磁性ナノ粒子　超音波活性 Superconductivity, Superconducting Quantum Interference Device, Precise Magnetic Measurement, High-Pressure Experiment, Magnetic Nanoparticles, Shear -Wave Activity	量子物性特論 Quantum Condensed Matter
本塚　智 MOTOZUKA　Satoshi	粉体工学　メカノケミストリー　集合組織　界面 Powder Technology, Mechanochemistry, Texture, Interface	粉体プロセス特論 Powder Technology
山口　富子 YAMAGUCHI　Tomiko	異種金属接合　レーザ加工処理　表面改質 改質層の特性評価 Dissimilar Metal Joining, Laser Processing, Surface Modification, Characterization of the Modified Layer	表面改質工学特論 Surface Modification
横山　賢一 YOKOYAMA　Kenichi	材料強度　環境材料　生体材料　破壊 Strength of Materials, Corrosion, Biomaterials, Fracture	環境材料強度学特論 Environmental Degradation of Materials

Ⅱ．博士後期課程　＜Doctoral Program＞

工学専攻　＜Department of Engineering＞

工学専攻は，「ものづくり」を基盤とした最先端科学技術分野における高度な知識を有し，その科学技術社会への波及効果を十分に理解していることに加え，複数の専門分野の知識を身に付け，課題解決能力，独創力，創造性及び実践的技術者としての必要な資質を持ち，イノベーションを創出できる能力を有する人材を養成する。さらに，グローバル化する社会の中で，異文化を理解し多文化環境下で新しい価値を生み出す能力を持ち，かつ，リーダーシップを発揮できる人材を養成する。

そのために，複数の専門領域の学識と実務に使えるコミュニケーション力・マネージメント力を身につけさせるよう総合的な教育研究を行う。

The Graduate School of Engineering offers opportunities to research in multiple fields with a set of courses for expertise, communicative skills and leadership management. In order to develop students' knowledge and abilities, the Graduate School focuses not only on fundamental and up-to-date knowledge in the related engineering fields so that students can envision its impact and influence on society, but also on the mastery of several engineering fields which contributes to the creation of innovative technologies. Students should, thus, acquire the leadership skills based on cross-cultural understanding that, in turn, can provide new values in various multicultural environments.

【教育コースの概要】　Outline of Education Courses

教育コース Education Courses	概　　要 Outline
建築学コース Architecture Course	心豊かな生活空間を創造するための建築・都市空間に対する計画やデザイン，および安全で快適な建築物を実現するための構造設計，建築環境，建築施工などの技術について教育研究を行う。 This course conducts education and researches on architectural planning and design of buildings or urban areas, in which affluent human living spaces are created. In addition, education and research about the architectural technology of structural design, environmental design or constructions, etc. by which buildings supporting safe and comfortable living are realized, are also conducted.

国土デザイン コース Civil Engineering Course	「社会基盤施設に関するもの創りをベースとして，都市の再生，さらには都市の持続や自然災害に対する防災システムなど，都市の安全・安心に関わる技術」と「調和の取れた環境デザインを目標として，日常生活における環境問題を克服し，次世代に安全で潤いのある生活空間を提供するための技術」について教育研究を行う。 This course conducts education and researches on “Civil Engineering Technology of social infrastructure facilities which covers urban regeneration, sustainability and disaster prevention system” and “Environmental Design that takes into account the development, conservation and regeneration of cities and regions to provide the next generation with a safe, secure and sustainable society”.
知能制御工学 コース Control Engineering Course	種々の動的な装置には，高性能化，小型化，高知能化技術，あるいは人間に優しいなどの特性が要求される。本コースではこのような要求にこたえるために，制御工学，知能工学，計測工学，電気工学および機械工学などからなるメカトロニクスを中心とした教育研究を行う。 Various machines are commonly expected to be designed to possess state-of-the-art technologies such as higher performance, smaller size, artificial intelligence technologies, and even human-friendly features. This course provides students with a graduate program focused on mechatronics, which encompasses control engineering, artificial intelligence, instrumentation engineering, electrical engineering, and mechanical engineering.
機械工学コース Mechanical Engineering Course	今後も新しい「ものづくり」の中心的役割を担うのが機械工学である。本コースでは，宇宙システム工学コースと連携して，１）材料に要求される様々な機能・強度を実現するための各種新素材や機能材料の力学的挙動の解明と機能発現・強度評価，２）機械や装置の生産に関係する加工現象解析，加工装置の性能向上，設計から生産に至る情報処理やそれを統合するシステム技術，３）熱流体エネルギーの変換と高効率利用，熱流体・粒子間の力学的相互作用によって発生する諸現象の解明と応用を核とした教育研究を行い，幅広い視野を持つエンジニアを養成する。 Mechanical engineering plays a central role in new products manufacturing (“Monozukuri”) at all times. This mechanical engineering course is performed in collaboration with the space systems engineering course. The education and research provided in the course aims at training engineers with broad horizons based on the following: 1) Study of mechanical behavior of advanced materials and functional materials so as to choose the most adequate material with regards to customer’s requirements, such as functionality and strength. 2) Study of production process analysis of machines and products, high performance of manufacturing equipment, and information and its integrated system technology from design to production.

	3) Study of energy conversion of heat transfer, fluid dynamics, and high performance systems, as well as the study of mechanical interaction phenomena between particles.
宇宙システム工学コース Space Systems Engineering Course	宇宙システムに代表される複雑な工学システムを，機械工学、電気工学を軸として構築できる素養を身につけるために，基礎となる機械工学、電気工学の知識をシステム工学・プロジェクト管理の観点で組み合わせることで，宇宙システムに関する種々の技術課題について教育研究を行う。 This course offers education and researches on various technical issues related to space systems, aiming to train a mechanical engineer and an electrical engineer to be able to establish complex system represented by a space system, through the perspectives of systems engineering and project management.
電気エネルギー工学コース Electrical Engineering Course	巨大エネルギーシステムから分散型電源・自動車・宇宙に至るまで，これからの環境調和高度エネルギー社会をインフラとして支える電気エネルギーの発生・輸送・消費・貯蔵，および超高速･超高密度情報記録，高出力素子から固体照明まで，次世代の電子デバイスと，半導体を柱にしたデバイス材料の開発と応用，デバイス化プロセス，新機能デバイスの開発に関する様々な技術課題について教育研究を行う。 The course provides the highest level engineering education and research projects based on the multi-disciplinary approach over the electric energy management technology and electronic device technology toward future green society, covering a variety of industry segments including, power electronics, large scale energy system, decentralized power source, automotive and spacecraft. The course addresses innovative technological issues related to material, design, production process, assembling and applications of electronic devices together with generation, transport, consumption and storage of electric energy.
電子システム工学コース Electronic Engineering Course	ディジタルテレビ，携帯電話，自動車の電子制御ユニットなど，マイクロプロセッサを組み込んだ高度な電子システム製品が多くなっている。 本コースでは，アナログ・ディジタル回路，プログラミングなどの基礎技術から，センシング・制御技術，画像・音声信号処理技術，通信・ネットワーク技術などのシステム要素技術，およびこれらを統合するシステム化技術についての教育研究を行う。 All around us, there are various products using microcomputers such as a digital televisions, mobile phones, and automobile electrical control units; the number of these systems increases day by day. The Electronic Engineering course offers an education concerning basic technologies such as an analog circuit, a digital circuit, and programming. Furthermore, the course educates and studies the element and system technologies concerning sensing, control, image processing,

	audio signal processing, telecommunication, and network technologies.
応用化学コース Applied Chemistry Course	物質や材料の高度利用が要求される２１世紀の科学技術の要請に応えるために，常に目的に応じた新規な機能をもつ分子の合成，材料の開発が要求される。それと同時に，それらが示す機能を高度に制御していく手法も必要である。また，開発した材料等を利用するためのシステムやプロセスに関する知識も不可欠である。このような社会的要請に応え，高度な物質と材料の開発，システムの構築に対応できる学生を育成するため，応用化学を基盤とした幅広い教育研究を行う。 To meet the scientific and technological demands of the 21st century, which call for the sophisticated use of substances and materials, there is an urgent need for materials development and synthesis of molecules having functions relevant to their intended applications. In addition, methods for the sophisticated control of these functions are also necessary. Furthermore, knowledge relating to the systems and processes in which the developed materials can be used is essential. To nurture students who can respond to the aforementioned demands and develop sophisticated substances and materials and build systems, we conduct a wide range of education and research based on applied chemistry.
マテリアル工学コース Materials Science and Engineering Course	材料の持つべき物性を満足する構造を決める「物性最適化」と，そのような構造を合成するための「合成最適化」に関する学問体系を核とした基礎分野の上に成り立ち，実際に新規金属材料やセラミックスなどの開発を行うことができる高度な実験並びに専門技術を修得できるようカリキュラムを編成している。 また，材料科学工学の深化・細分化・応用拡大が急速に展開される現代の社会情勢に対応するため，「１．材料の構造・性質，２．材料の機能・設計，３．材料のプロセス」の３本柱を中心にして，“実践的な材料開発・応用ができる研究者，高度専門技術者の育成”を目指した教育研究を行う。 Building on the basic areas defined by the academic framework relating to physical properties optimization, which determines the structure that satisfies the necessary physical properties of a material, and Synthesis Optimization for synthesizing these kinds of structures, we have built a curriculum that allows students to acquire knowledge of sophisticated experiments as well as the expertise to develop materials such as new metals or ceramics. Moreover, to respond to the current state of society where fragmentation, and the expansion of the range of applications in materials science engineering are progressing fast, we conduct education and research centered around three pillars—1) materials structure/properties, 2) materials function/design, and 3) materials processing—thus aiming to “nurture researchers and highly expert engineers who are capable of practical material development and application.”

【教員の研究内容，授業科目】 Research Fields and Course Titles of Faculty Members (Professors)

博士前期課程の【教員の研究内容，授業科目】を参照のこと。

なお，出願に関しては，指導を希望する教員に事前連絡を行い，研究テーマ及び学位取得までの研究計画について確認しておくこと。

Please refer to Master's Program "Research Fields and Course Titles of Faculty Members (Professors)".

In regard to their application, applicants are required to contact the professor they hope to study under at Kyutech beforehand and then discuss their research topic and research plan for obtaining the degree with him/her.

1. Number of Students to be Accepted

Refer to page 9 of the “Overview of Graduate School of Engineering” for details on the above subject area of examination.

Department	Subject Area of Examination		Number of Students to be Accepted	
			April 2026 admissions	October 2025 admissions
Department of Engineering	Area1	Architecture Course	To Be Confirmed	To Be Confirmed
	Area2	Civil Engineering Course		
	Area3	Control Engineering Course		
	Area4	Mechanical Engineering Course		
	Area5	Space Systems Engineering Course		
	Area6	Electrical Engineering Course		
	Area7	Electronic Engineering Course		
	Area8	Applied Chemistry Course		
	Area9	Materials Science and Engineering Course		

* Depending on the situation of the April 2025 enrollment, for some subject areas, there is a possibility that we do not give entrance examination for October 2025 admission. For more information, please contact us.

2. Qualification to Apply

Applicants who meet the following two requirements are qualified to apply for the Special Admission.
Requirement 1: Applicants must be non-Japanese citizens and hold or will obtain the legal resident status of “Student” from the Japanese authority.

Requirement 2: Applicants must meet at least one of the following conditions.

(Conditions)

1. A person who is expected to complete 16 (sixteen) years of education or has already completed it outside Japan before entering to Kyutech.
2. A person who is expected to complete 16 (sixteen) years of correspondence / distance education in Japan which is officially provided by a legitimate educational institution registered and located outside Japan or has already completed it before entering to Kyutech.
3. A person, living in Japan, who has completed 16 (sixteen) years of education provided by a foreign educational institution which is registered and located in Japan with specific acknowledgement by the Minister of Education, Culture, Sports, Science and Technology Japan (MEXT).
4. A person who holds or is expected, before entering to Kyutech, to be awarded a bachelor’s or equivalent degree after completion of more than 3 (three) year-long educational program (including correspondence/distance education) provided by a university or an educational institution outside Japan, which has been accredited by a national authority for recognition which is officially recognized by the Minister of Education, Culture, Sports, Science and Technology Japan (MEXT).
5. A person who is expected to complete 15 (fifteen) years of education or has already completed it outside Japan with excellent academic records which must be qualified through the individual screening of qualification of application by the Graduate School of Engineering of Kyutech.
6. A person who is more than 22-years old by the end of March 2026 and is qualified as having as much academic capability as a student who holds a bachelor’s degree through the individual screening of qualification of application by the Graduate School of Engineering of Kyutech.

(Note)

- A person who have graduated or will graduate from Japanese universities in Japan is not qualified to apply for the Special Admission.
- A person who meets the above requirement 4 is requested to contact and inquire directly to the Administrative Office of the Graduate School of Engineering (koh-daigakuin@jimu.kyutech.ac.jp), prior to the period for the individual screening of qualification for application.
- A person who meets either 5 or 6 of the above requirements must submit an application form of Individual Screening of Qualification for Application. (download from : https://www.kyutech.ac.jp/english/admissions/guidelines/tobata_master.html)
- Important schedule of screening of qualification to apply is as follows.

Applying for	Submission Period for Individual Screening of Qualification	Notification of Screening Results
October 2025	From April 21st (Mon) until April 28th (Mon), 2025	May 12th (Mon), 2025
April 2026	From April 21st (Mon) until April 28th (Mon), 2025	May 12th (Mon), 2025
	From September 19th (Fri) until September 26th (Fri), 2025	October 6th (Mon), 2025

3. Online Registration Prior to Apply

Online registration must be completed ahead of time by using this link:
http://www.guide.52school.com/guidance/net-kyutech-g/eng/

The Online Registration Period

Applying for:	Application Submission Period
October 2025	From May 14th (Wed) until May 27th (Tue), 2025
April 2026	From May 14th (Wed) until May 27th (Tue), 2025
	From October 3rd (Fri) until October 17th (Fri), 2025

4. How to Apply (Application Submission)

After completion of online registration, the following documents must be submitted to apply.

Category	Document	Note
Printed documents of the online registration	(1) Application confirmation sheet (for submission)	Print this out after you have finished the online registration.
	(2) Photo card	Prepare your photograph that meets the conditions below, write your name and desired department on its back, and paste it to the photo card. The photograph must be: i. the applicant's upper body, frontal view without a cap/hat, and taken within three months; ii. 4.5 (height) x 3.5 (width) cm; and iii. clear image and resolution.
	(3) Address label	If you are sending the necessary documents after you have finished the online registration, print out an address label from the online registration website and paste it on an envelope (240 x 332 mm, also called K2 size in Japan). If you bring the documents, address labels are unnecessary. *If sending the documents from overseas, address labels are unnecessary.

Other necessary documents	(4) Certificate of (Expected) Graduation	**【Applicants from outside of China】** **【Applicants expected to graduate from a university in China】** A certificate issued by the institution the applicant attended. (Original or certified copy written in either Japanese or English) <Notes> ・ In case the applicant cannot submit the original copy of certificate in Japanese or English from the school due to inevitable reasons, submit a photo copy of the certificate in Japanese or English which is duly certified by the school, Embassy / Consulate, or public notaries organization. ・ In case the certificate is issued only in the applicant's native language only other than English or Japanese, submit with a translation in Japanese or English which is officially certified by a public organization. ・ **【Applicants who have graduated from a university in China】** 「Online Verification Report of Higher Education Qualification Certificate」 issued by CHSI (China Higher-education Information and Student Information) <Notes> If you are unable to submit the certificate issued by CHSI, please contact the following email address: 〔Contact: koh-daigakuin@jimu.kyutech.ac.jp〕

		■Procedure for CHSI How to Apply (1) Please access the following CHSI website: https://www.chsi.com.cn/ (2) Please apply so that the electronic verification report email is directly sent from CHSI to Graduate School of Engineering Kyushu Institute of Technology before the application deadline. 〔Email address for verification report: koh-daigakuin@jimu.kyutech.ac.jp〕 The electronic verification report email received from applicants, not directly sent from CHSI cannot be accepted. <Notes> ・It will take some time for the verification report to be issued by CHSI after the applicants apply, so please apply in advance. If we cannot receive the verification report email by the application deadline, the application will not be accepted due to insufficient documents. ・Additionally, please make sure that the online verification report submitted to Graduate School of Engineering Kyushu Institute of Technology has at least a remaining validity of 30 days when it is submitted.

	(5) Transcripts	**【Applicants from outside of China】** **【Applicants expected to graduate from a university in China】** ・ Submit official transcripts in Japanese or English with the seal or signature of the authorized person of the institution. <Notes> ・ In case the applicant cannot submit the original copy of certificate in Japanese or English from the school due to inevitable reasons, submit a photo copy of the certificate in Japanese or English which is duly certified by the school, Embassy / Consulate, or public notaries organization. ・ In case the certificate is issued only in the applicant's native language only other than English or Japanese, submit with a translation in Japanese or English which is officially certified by a public organization. **【Applicants who have graduated from a university in China】** 「Verification Report of China Higher Education Student's Academic Transcript」 issued by CHSI (China Higher-education Information and Student Information) <Notes> If you are unable to submit the certificate issued by CHSI, please contact the following email address: 〔Contact: koh-daigakuin@jimu.kyutech.ac.jp〕

		■Procedure for CHSI How to Apply (1) Please access the following CHSI website: https://www.chsi.com.cn/ (2) Please apply so that the electronic verification report email is directly sent from CHSI to Graduate School of Engineering Kyushu Institute of Technology before the application deadline. 〔Email address for verification report: koh-daigakuin@jimu.kyutech.ac.jp〕 The electronic verification report email received from applicants, not directly sent from CHSI cannot be accepted. <Notes> It will take some time for the verification report to be issued by CHSI after the applicants apply, so please apply in advance. If we cannot receive the verification report email by the application deadline, the application will not be accepted due to insufficient documents.

	(6) Certificate of English Proficiency	Applicants to Area 3 (Control Engineering Course), Area 4 (Mechanical Engineering Course), Area 6 (Electrical Engineering Course) and Area 7 (Electronic Engineering Course) are required to submit a TOEIC Listening & Reading (hereinafter "TOEIC L&R") score certificate or a TOEFL-iBT score report. (A photocopy is not acceptable.) ・ A score certificate must be within two years from the entrance examination date. ・ A score certificate should have a photograph of the applicant. (Without the photograph the certificate is invalid.) ・ Score certificates of TOEIC L&R IP and other English proficiency tests such as COLLEGE TOEIC and TOEFL-ITP are not acceptable. (*However, a TOEIC L&R IP score certificate may be acceptable if applicants, by submitting proofs such as official requirements, prove that it is a compulsory test as part of their university's curriculum of English. *Online TOEIC L&R IP test result is not acceptable.) ・ If both of TOEIC L&R score certificate and TOEFL-iBT score report (and also TOEIC L&R IP score with meeting above-said condition) are submitted, the higher one from equivalent scores will be adopted. TOEIC Listening & Reading Test For the TOEIC Listening & Reading test conducted in and after April 2024, a printed copy of your score sheet will be acceptable, as long as it contains a readable QR code for verification. We may verify the digital score certificate as necessary.

		TOEFL-iBT Test ”My Best Scores” of TOEFL-iBT is not acceptable but ”Test Date Scores” is acceptable. We only accept the Test Taker Score Report (Original). ・ For those who reside outside Japan and cannot submit a Certificate of English Proficiency, please consult with your desired supervisor in Kyutech before application.
	(7) Academic Background Confirmation Form	Download the designated A4size format from the Kyutech website: ※Except for a person who meets either 5 or 6 of the requirements. https://www.kyutech.ac.jp/english/admissions/guidelines/tobata_master.html
	(8) Copy of the passport photo page	Attach a photo copy of the passport photo page. ・ For those who do not hold a passport and not be able to submit Copy of the passport photo page, please contact us before applying for admission and ask for alternate solution.
	(9) A copy of the residence card or special permanent resident certificate or certificate of residence	Applicants who reside in Japan must submit this document.

5. Application Period

Application must be completed by submitting all of the aforementioned documents between the following application submission periods.

Applying for:	Application Submission Period
October 2025	From May 21st (Wed) until May 27th (Tue), 2025
April 2026	From May 21st (Wed) until May 27th (Tue), 2025
	From October 10th (Fri) until October 17th (Fri), 2025

In order to complete the application, applicant must either send or bring the application documents during the Application Period to the following address:

Graduate School of Engineering Administrative Office
Kyushu Institute of Technology
1-1 Sensui-cho, Tobata-ku, Kitakyushu city, Fukuoka prefecture 804-8550, JAPAN
E-mail koh-daigakuin@jimu.kyutech.ac.jp

Application submission counter will be open from 9:00am until 4:00pm (Mon-Fri) for applicants bringing the application documents.
To send the application documents by post, the documents must be sent by registered mail, EMS, or courier services (must have tracking feature) such as FedEx, DHL, etc. Be sure to write “Application Document” in bold red color on the front side of the envelope so that it is easily recognized.

6. Entrance Examination and Selection

Selection Method: Admission is based on a comprehensive assessment of both interview and documents.

Evaluation Criteria:

- **Interview**: Multiple interviewers will evaluate the applicant on basic academic abilities, expertise, and problem-solving skills, using a 5-point scale.
- **Documents**: Transcript and English language proficiency (only for area 3, 4, 6, and 7) will be assessed.

Decision Method: Decisions will be made based on the total score, in descending order. In the case of a tie, applicants will be ranked equally.

Department	Area (Course)		Examination	Score
Department of Engineering	Area 1	Architecture Course	Interview including oral exam for Architecture	Interview:500 Documents:500 Total:1000
	Area 2	Civil Engineering Course	Interview including oral exam for Civil Engineering	Interview:500 Documents:500 Total:1000
	Area 3	Control Engineering Course	Interview including oral exam for Mathematics and Control Engineering	Interview:600 Documents:400 Total:1000
	Area 4	Mechanical Engineering Course	Interview including oral exam for Mechanical Engineering	Interview:400 Documents:600 Total:1000

	Area 5	Space Systems Engineering Course	Interview including oral exam for research content	Interview:800 Documents:200 Total:1000
	Area 6	Electrical Engineering Course	Interview including oral exam for Electrical Engineering	Interview::800 Documents:200 Total:1000
	Area 7	Electronic Engineering Course	Interview including oral exam for Electrical Engineering	Interview:800 Documents:200 Total:1000
	Area 8	Applied Chemistry Course	Interview including oral exam for Chemistry and Chemical Engineering	Interview:800 Documents:200 Total:1000
	Area 9	Materials Science and Engineering Course	Interview including oral exam for Materials Science and Engineering	Interview:600 Documents:400 Total:1000
	Area 3, 4, 6 and 7		See the note below.	

(Note)

- Applicant's English language proficiency will be evaluated based on the submitted score of either TOEIC L&R or TOEFL-iBT test [refer to the section 4. (6) Certificate of English Proficiency].
- If multiple scores are submitted, the highest converted score in each Examination Area will be used.
- If no score is submitted by the time of the application, the English language proficiency will be evaluated as the minmum score determined by each Examination Area.

7. Dates and Venues of Entrance Examinations

Applying for	Date	Venue
October 2025	July 1st (Tue), 2025	Tobata Campus, Kyushu Institute of Technology
April 2026	July 1st (Tue), 2025	
	November 22nd (Sat), 2025	

*Note: The exact time will be notified on website after the download date of the examination card.(https://www.kyutech.ac.jp/examination/e-information.html)

*Examination card:
You can download an examination card starting from the dates listed below. Go to the online registration website, log in to the application confirmation screen by pressing the “Confirm application” button, print out your examination card on 8 1/2 x 11’ (A4) paper, and bring it on the day of the examination. Note that the university will not send you any examination cards. You may refer to the Online Application Manual by following link for further information on how to print out the examination card.
(https://www.kyutech.ac.jp/english/admissions/gs-internet-application.html)

Applying for	Start date of examination card download
October 2025	From 10 AM, June 17th (Tue), 2025
April 2026	From 10 AM, June 17th (Tue), 2025
	From 10 AM, November 10th (Mon), 2025

8. Announcement of the Entrance Examination Result

Applying for	Announcement Time and Date (JST)
October 2025	10 AM, July 11th (Fri), 2025
April 2026	10 AM, July 11th (Fri), 2025
	10 AM, December 4th (Thu), 2025

*Examinee's numbers of successful applicants will be posted on this Institute's website(http://www.kyutech.ac.jp/), and a written Notification of Acceptance will be sent by mail.

9. Enrollment Procedures

Enrollment procedures are planned to take place in late September for October 2025 admission and in middle of March 2026 for April 2026 admissions. The details will be informed to successful applicants.

Fees to be paid during enrollment procedures:

1. Entrance fee: ¥282,000 (tentative)
   (*Note that Japanese Government Scholarship (MEXT) Students are not required to pay the entrance fee.)
2. Research Accident Insurance: ¥1,750 (tentative)
3. Support Club Fee: ¥10,000 (tentative)
4. Comprehensive Insurance for Students Lives Coupled with "Gakkensai": ¥25, 340 (tentative)

〔Reference〕

Tuition fee(After admission): ¥267,900 per semester (tentative)
¥535,800 per year (tentative)

* Note that if the tuition fee is raised after the student enters this Graduate School, he or she is required to pay the new fee.
* Japanese Government Scholarship (MEXT) Students are not required to pay tuition fee.

10. Important Notice

A) Examination Card must be carried with applicants during the entrance examination. It will be also required for the Enrollment Procedures.
B) Application and documents submitted are not changeable or returnable to applicants.
C) Examination fee is not refundable despite of cancellation or no-show.
D) Applicants who need special care and support during the entrance

examination should inform to and consult with the Administrative Office when submitting applications in order to have special assistance.

E) Incomplete application documents may not be accepted.

F) Applicants who are found to have made false statements in the submitted documents may have their acceptance rescinded even after the announcement of successful applicants.

G) Search a potential supervisor who conducts research in a specific field you are interested in on the Kyutech website before applying. Contact the supervisor by e-mail to discuss opportunities for you to participate in the laboratory. In your e-mail, please include your academic backgrounds and your research topics. Before applying for admission to Kyutech, please discuss fully with the supervisor to see if your research topics correspond to the supervisory competences.

H) This English version is a translated version of original Japanese Guidelines, and if there are any discrepancies between English-translated version and Japanese original version, Japanese original version shall prevail.

11. Privacy Policy

All personal information obtained by the university through the admissions process and on the documents submitted at the time of admission procedures will be used for the following purposes.

A) Work related to entrance exams and admission procedures.

B) Work related to academic affairs (student register management, academic guidance, curriculum improvement, etc.).

C) Work related to student support (health management, admission fee waiver, tuition fee waiver, deferment of admission fee payments, scholarships, career support, etc.)

D) Survey and research on entrance exams and the improvement of university education. However, when presenting the results of the survey/research, the individual will be treated in such a way that any individual cannot be identified.

E) Other work related to statistics in a format that does not disclose the identity of the individual.

* Some of the work may be performed by outside contractors commissioned by Kyutech.
* Personal information obtained will be handled appropriately in accordance with the ”Act on the Protection of Personal Information” and the University’s regulations.

12. Security Export Control

Kyushu Institute of Technology has established the “Kyushu Institute of Technology Security Export Control Regulations” in accordance with the “Foreign Exchange and Foreign Trade Act”, and rigorously screens potential international students on the basis of these regulations. International applicants who fall under any of the conditions set out in said regulations may be unable to enter their desired course or program.

For more details:
http://www.kyutech.ac.jp/english/admissions/security-export-control.html

13. Special Course for International Students

Kyutech has Special Course for International Students. Please check the website for details.
(https://www.tobata.kyutech.ac.jp/gr-school/gra-program/)

14. Flowchart of application procedure using the Internet

After checking the information necessary for applicants, such as the required qualification, application period, application procedure, selection process, and the date of examination, you should follow the procedure below to apply to the university.

① Registration of Application Information

From a device connected to the Internet, register the necessary information (examination category, your desired departments and areas, your desired advisors, personal information, etc.) following the on-screen instructions.

[Confirmation and Modification of Application Information]

Check the information you registered.

You can print out documents for confirmation.

② Paying entrance examination fee

Pay the entrance examination fee (30,000 Japanese yen) + Service Charge using one of the payment methods below.

Payment methods: credit card, convenience store, bank ATM (Pay-easy), Internet banking

*Payment from outside of Japan can only be done by credit card.

③ Printing out the registered application documents

Print out the online registration (part of the application documents) including the “Application confirmation sheet (for submission)” and the “Photo Card”.

④ Sending or bringing the application documents

The applicants must send or bring the “printed matter of the online registration (documents you printed out in Step ③)” and “other necessary documents” to the Administrative office of Kyushu Institute of Technology within the application period.

The following are the main items (other than Internet access) you need to prepare for the online registration.

A. Password

Any applicant who comes under any of the following must have a password to start online registration. Once the application is determined, make sure to notify the Graduate School of Engineering Administrative Office (koh-daigakuin@jimu.kyutech.ac.jp) by e-mail (*Phone not available) to obtain the password.

1. Applicants for Special Admissions for International Students
2. Japanese Government (MEXT: Ministry of Education, Culture, Sports, Science and Technology) Scholarship Students
3. Applicants for the entrance examination fee exemption who are victims of the Noto Peninsula Earthquake in 2024, the torrential rain in July 2020, the torrential rain and typhoon No. 19 in 2019, the Hokkaido Eastern Iburi Earthquake in 2018, torrential rain in July 2018, heavy rain in northern Kyushu in July 2017, the Kumamoto Earthquake in 2016, or the Great East Japan Earthquake

* When contacting via email, please make sure to include the following information in the email: the applicant's name, the examination category (Admissions for General Applicants, Special Admissions for Working People, Special Admissions for International Students, etc.), the desired department/area, desired advisor (professor's name), and which of 1 to 3 above you come under.

B. Payment method for the entrance examination fee

You may pay the fee at a convenience store, or by bank ATM (Pay-easy), credit card, or Internet banking. * See the above Flowchart ②.

C. E-mail address

You may use an e-mail address of smartphones, cell-phones, or free e-mail account services. (We will send you e-mails to the address you registered when the online registration is completed.)

D. Printer that supports 8 1/2 x 11’ (A4) paper (either in black-and-white or full color)
Using plain paper would be just fine. ＊See the above Flowchart ③.

E. “Other necessary documents” out of the documents listed on “How to Apply (Application Submission)”.
It may take time to prepare depending on the documents required.

＊After you have finished the online registration, send or bring the documents. The application is thereby completed. Keep in mind that if you fail to send or bring the necessary documents within the application period, the application is incomplete (invalid registration).

＊For other FAQs on the payment of the entrance examination fee and online registration, please follow the below link to our online registration website. The website contains Online Application Manual as well.

Online Registration Website:
http://www.guide.52school.com/guidance/net-kyutech-g/eng/

15. Changing the registered information

Once you have paid the entrance examination fee and sent/brought the documents, you cannot change the registered information.
(If you have not yet pressed the “Registration” button on the payment method confirmation screen for the entrance examination fee, you can change the registered information at the online registration website. If you have already pressed the button, but the payment is incomplete, you can change the information by starting a new registration. If you have already paid the fee, but would like to change the information before sending or bringing the necessary documents, confirm the check fields of the “Application confirmation sheet (for submission)” that you can print out after the Internet registration.)