International College of Technology, Kanazawa

Student Handbook

2018

ICT

KIT IDEALS

We defined the KIT-IDEALS as the ideals all the members of our school community should embrace and set each ideal as follows.
All of the students, executive board members, faculty, and staff members always respect and keep the KIT-IDEALS in mind to improve and develop our school community.

K Kindness of Heart	We show compassion toward others, are helpful and considerate, and sensitive of others' feelings. When we show a sympathetic nature, we are rewarded by the feeling and kindness.
I Intellectual Curiosity	We pursue things of interest to our intellect, follow our passion for learning and use our discoveries for the benefits to others.
T Team Spirit	When working with others on a team, we value each member's role. We look beyond our individual accomplishments to contribute toward the common goal.
I Integrity	We adhere to high moral and ethical principles. We are fair, reliable and trustworthy. Our personal code of values complements our school community's code of values.
D Diligence	With constant and earnest effort, we set out to accomplish what we undertake to the best of our ability. We use our time wisely and put care into all we do.
E Energy	We tap all our potential energy and make positive use of our energy to produce greatness. We recognize and accept the limits of our own capabilities to maintain a healthy balance.
A Autonomy	We strive to be independent, and self-sufficient. We respect the autonomy of the individual.
L Leadership	When working with others, we share leadership roles and accept all the rights and responsibilities that are inherent in the position.
S Self-Realization	We work toward achieving the highest good for all by fully realizing our own potential and natural abilities as we strive to become our ideal self.

Kanazawa Institute of Technology

Student Handbook - Contents

1. 2018-19 Academic Calendar (Hakusanroku Campus)

April	May	June	July	August	September	October	November	December	January	February	March
1 Sun Entrance ceremony **Week 1**	1 Tue	1 Fri Foundation day Inter-High	1 Sun **Week 14**	1 Wed	1 Sat	1 Mon	1 Thu Saturday schedule	1 Sat	1 Tue New year's day	1 Fri Snowman festival	1 Fri
2 Mon Opening ceremonies Health checkup	2 Wed Saturday schedule	2 Sat	2 Mon Special Activity	2 Thu 1st semester final exam	2 Sun	2 Tue	2 Fri	2 Sun **Week 11**	2 Wed	2 Sat	2 Sat
3 Tue Orientation	3 Thu Constitution Day	3 Sun **Week 10**	3 Tue	3 Fri	3 Mon	3 Wed	3 Sat Culture Day	3 Mon	3 Thu	3 Sun **Week 19**	3 Sun
4 Wed First semester starts	4 Fri Greenery Day	4 Mon	4 Wed	4 Sat	4 Tue	4 Thu	4 Sun **Week 7**	4 Tue	4 Fri	4 Mon	4 Mon Extracurricular activities
5 Thu	5 Sat Children's Day Kawachi Fuji Festival	5 Tue	5 Thu	5 Sun Ikkoikki Festival	5 Wed	5 Fri	5 Mon Thursday schedule	5 Wed Make up day for classes	5 Sat	5 Tue	5 Tue
6 Fri	6 Sun **Week 6**	6 Wed Friday schedule	6 Fri	6 Mon	6 Thu	6 Sat	6 Tue	6 Thu 2nd semester midterm -exam	6 Sun **Week 15**	6 Wed	6 Wed
7 Sat	7 Mon	7 Thu 1st semester midterm -exam	7 Sat Hokuriku Regional Technical College Sports Tournament	7 Tue	7 Fri	7 Sun School tour (autumn) National KOSENs' **Week 3**	7 Wed	7 Fri	7 Mon Second semester classes start	7 Thu	7 Thu
8 Sun **Week 2**	8 Tue	8 Fri	8 Sun **Week 15**	8 Wed	8 Sat	8 Mon Health-Sports Day	8 Thu Freshmen prefectural tournament	8 Sat 2019 Admission for Japanese returnees	8 Tue	8 Fri	8 Fri
9 Mon	9 Wed	9 Sat	9 Mon Compensatory days off Make up day for classes	9 Thu	9 Sun ULTRAMARATHON	9 Tue	9 Fri	9 Sun **Week 12**	9 Wed	9 Sat Bunya festival	9 Sat
10 Tue	10 Thu	10 Sun School tour (Spring) **Week 11**	10 Tue	10 Fri	10 Mon	10 Wed	10 Sat	10 Mon 2nd semester midterm -exam	10 Thu	10 Sun **Week 20**	10 Sun
11 Wed	11 Fri	11 Mon	11 Wed	11 Sat Mountain Day	11 Tue	11 Thu	11 Sun **Week 8**	11 Tue	11 Fri	11 Mon National Foundation Day	11 Mon Extracurricular activities
12 Thu	12 Sat School sports day	12 Tue	12 Thu	12 Sun	12 Wed	12 Fri	12 Mon Friday schedule	12 Wed	12 Sat	12 Tue	12 Tue
13 Fri	13 Sun **Week 7**	13 Wed	13 Fri Monday schedule	13 Mon	13 Thu	13 Sat	13 Tue Monday schedule	13 Thu	13 Sun **Week 16**	13 Wed	13 Wed
14 Sat	14 Mon	14 Thu	14 Sat	14 Tue	14 Fri	14 Sun KOSEN robot contest Tokai/Hokuriku area **Week 4**	14 Wed	14 Fri	14 Mon Coming-of-Age Day	14 Thu Monday schedule	14 Thu Closing ceremony
15 Sun **Week 3**	15 Tue	15 Fri	15 Sun **Week 16**	15 Wed	15 Sat	15 Mon	15 Thu	15 Sat	15 Tue	15 Fri	15 Fri Graduation ceremony
16 Mon	16 Wed	16 Sat PTA school tour	16 Mon Marine Day	16 Thu	16 Sun	16 Tue	16 Fri Saturday schedule	16 Sun **Week 13**	16 Wed	16 Sat 2019 General admission B Admission based on self-recommendation Bunya festival	16 Sat
17 Tue	17 Thu	17 Sun **Week 12**	17 Tue Friday schedule	17 Fri	17 Mon Respect for the Aged Day	17 Wed	17 Sat 2019 Global admission B IELTS test	17 Mon	17 Thu	17 Sun **Week 21**	17 Sun
18 Wed	18 Fri PTA general meeting Parents' evening for each class	18 Mon	18 Wed Saturday schedule	18 Sat School tour (summer)	18 Tue Extracurricular activities Lecture in Anamizu	18 Thu	18 Sun **Week 9**	18 Tue Extracurricular activities	18 Fri	18 Mon	18 Mon
19 Thu	19 Sat	19 Tue	19 Thu	19 Sun	19 Wed	19 Fri Preparation for ICT festival	19 Mon	19 Wed	19 Sat	19 Tue	19 Tue
20 Fri	20 Sun **Week 8**	20 Wed	20 Fri	20 Mon Summer school	20 Thu	20 Sat ICT festival	20 Tue	20 Thu	20 Sun **Week 17**	20 Wed	20 Wed
21 Sat Returnees debriefing session	21 Mon Open class	21 Thu	21 Sat	21 Tue	21 Fri	21 Sun **Week 5**	21 Wed	21 Fri	21 Mon	21 Thu	21 Thu Spring Equinox Day
22 Sun **Week 4**	22 Tue	22 Fri	22 Sun **Week 17**	22 Wed	22 Sat	22 Mon Compensatory Day Off	22 Thu	22 Sat	22 Tue	22 Fri	22 Fri
23 Mon	23 Wed	23 Sat	23 Mon	23 Thu	23 Sun Autumnal Equinox Day **Week 1**	23 Tue Monday schedule	23 Fri Labor Thanksgiving Day	23 Sun Emperor's Birthday **Week 14**	23 Wed Friday schedule	23 Sat	23 Sat
24 Tue	24 Thu	24 Sun **Week 13**	24 Tue	24 Fri	24 Mon Compensatory Day Off	24 Wed Friday schedule	24 Sat Ball game day	24 Mon Compensatory Day Off	24 Thu	24 Sun **Week 22**	24 Sun
25 Wed	25 Fri	25 Mon	25 Wed	25 Sat	25 Tue Extracurricular activities Company visits	25 Thu	25 Sun **Week 10**	25 Tue Winter holiday (until Jan. 6th)	25 Fri	25 Mon Make up day for classes	25 Mon
26 Thu	26 Sat	26 Tue	26 Thu	26 Sun	26 Wed	26 Fri Hakurei Festival	26 Mon Friday schedule	26 Wed	26 Sat 2019 General admission A Snowman festival	26 Tue 2nd semester final-exam	26 Tue
27 Fri	27 Sun **Week 9**	27 Wed	27 Fri	27 Mon	27 Thu Second semester starts Monday schedule	27 Sat Saturday schedule	27 Tue	27 Thu	27 Sun **Week 18**	27 Wed	27 Wed Education result presentation
28 Sat	28 Mon	28 Thu	28 Sat	28 Tue	28 Fri	28 Sun 2019 Global admission A **Week 6**	28 Wed	28 Fri	28 Mon	28 Thu	28 Thu
29 Sun Showa Day **Week 5**	29 Tue Thursday schedule	29 Fri Special schedule	29 Sun Seiryu Festival **Week 18**	29 Wed	29 Sat	29 Mon	29 Thu	29 Sat	29 Tue Saturday schedule		29 Fri
30 Mon Compensatory Day Off	30 Wed	30 Sat	30 Mon	30 Thu	30 Sun Hakusan Hiking **Week 2**	30 Tue	30 Fri	30 Sun	30 Wed		30 Sat Reception for new students
	31 Thu Inter-High Special schedule		31 Tue	31 Fri		31 Wed		31 Mon	31 Thu		31 Sun
* indicates scheduled events		* Senami Sugeuma Festival			* Cycle Festa			* Intramural presentation		* Capstone project presentation	* Graduation/Promotion judgment * Snow festival

Emblem

Our school emblem was designed in the image of a golden eagle, which is a symbol of our school. This emblem expresses the following:

The three principles of our school

● To create well-rounded citizens with good character ● To be innovative ● To promote industry-university collaboration

The school community, which consists of

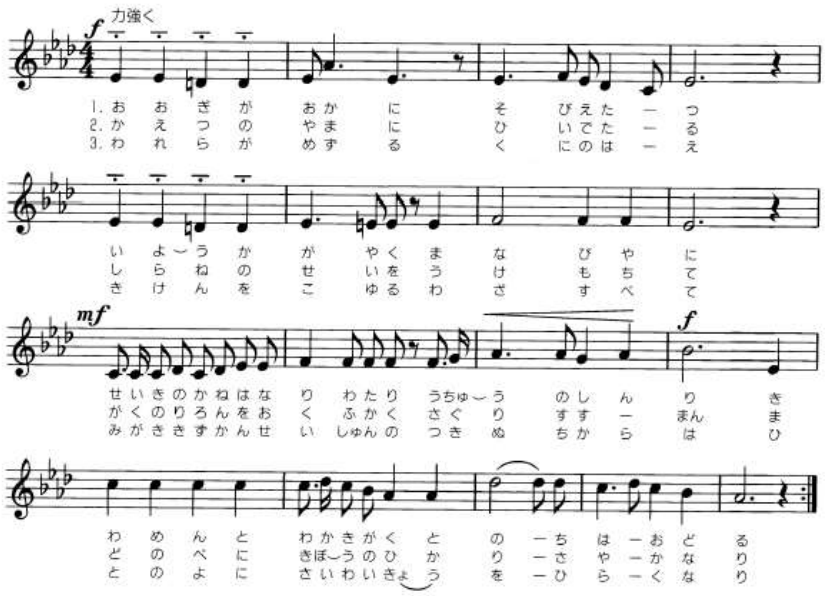
● Students ● Executive board ● Faculty and staff members

The three Ts that indicate the policies for people who learn scientific technology

● Truth ● Theory ● Technology

The golden eagle, which lives in Hakusan and was designated as a "Natural Treasure", can be identified by its gold head that glows when travelling in the light. Our emblem embodies the courage and power that the golden eagle has come to represent by flying the highest in the sky.

School Song



Lyrics by Hyoukichi Aoyama

Music by Seitaro Yamashita

1 扇が丘に聳えたつ
偉容輝く学び舎に
世紀の鐘は鳴りわたり
宇宙の真理究めんと
若き学徒の血はおどる

2 加越の山に秀でたる
白嶺の精を享けもちて
学の理論を奥深く
探り進まん窓の辺に
希望の光りさやかなり

3 われらがめずる国の栄
気圏をこゆる技すべて
磨き築かん青春の
尽きぬ力は人の世に
幸境を拓くなり

3. School History

June 1, 1957	● Hokuriku Radio Wave School founded
April 1, 1958	● Hokuriku Radio College founded
April 1, 1959	● Hokuriku Radio High School founded
April 1, 1962	● Kanazawa Technical College founded, Department of Electronic Engineering established (135 students, 3 classes) Hyoukichi Aoyama become the first president of Kanazawa Technical College
April 1, 1963	● Department of Mechanical Engineering added (90 students, 2 classes)
September 28, 1964	● Gymnasium completed
April 1, 1965	● Kanazawa Institute of Technology founded
December 4, 1965	● Shigetake Takemura become the second president of Kanazawa Technical College
October 18, 1967	● Authorized as a grant application school for Second-class Chief Electrical Engineer certification
March 1, 1968	● Authorized as a school exempt from Second-class Radio Operator preliminary test
November 5, 1968	● KIT Anamizu Bay Seminar House in Noto Peninsula National Park opened
January 16, 1969	● Center for Information Processing founded (currently known as the Center for Information Services & Processing)
April 1, 1969	● Computer Aided Instruction founded (currently known as the Center for Information Services & Processing)
September 21, 1973	● Ohgigaoka Clinic opened
May 19, 1977	● Amaike Athletic Center opened
June 1, 1978	● Kenkichi Shinmei become the third president of Kanazawa Technical College
June 1, 1982	● Library Center opened
April 1, 1986	● Wataru Sakuma become the fourth president of Kanazawa Technical College
August 13, 1987	● Partially authorized as a school exempt from testing for Installation Technician certification (by Telecommunication Business Law)
April 1, 1988	● One class added to the Department of Electronic Engineering
April 26, 1990	● Second Gymnasium completed
April 1, 1991	● New school building completed at 2-270 Hisayasu, Kanazawa
July 8, 1993	● Yumekobo opened
April 1, 1995	● Masakiyo Horioka become the fifth president of Kanazawa Technical College
May 23, 1995	● Partnership signed with Singapore Polytechnic
July 12, 1995	● Partnership memorandum signed with Saint Michael's College in the USA
April 1, 1996	● Multi-media Workshop opened
April 1, 1997	● Center for Creative Engineering Design Education established
December 14, 1998	● Ikenodaira Seminar House opened
December 17, 2002	● Partnership memorandum signed with Otago Polytechnic in New Zealand
April 1, 2003	● Changed the name of the Department of Electronic Engineering to the Department of Electrical and Computer Engineering (45 students, 1 class)
April 1, 2003	● Department of Computer Engineering and International Communication added (1 class, 45 students)
February 7, 2004	● Partnership signed with Otago Polytechnic in New Zealand
April 1, 2006	● Hirohumi Yamada become the sixth president of Kanazawa Technical College
April 1, 2007	● Center for Community-Arranged Education opened
April 1, 2009	● Changed the name of the Department of Electrical and Computer Engineering to the Department of Electrical and Electronic Engineering (40 students, 1 class)
April 1, 2009	● Changed the name of Department of Computer Engineering and International Communication to the Department of Global Information Technology (40 students, 1 class)
December 9, 2010	● Joined world-standard "CDIO" engineering education initiative
April 1, 2014	● Lewis Barksdale become the seventh president of Kanazawa Technical College

April 1, 2015	● Added the Department of Global Information and Management (40 students, 1 class) and stopped accepting Department of Global Information Technology students
November 18, 2015	● Partnership memorandum signed with Mara University of Technology in Malaysia
April 13, 2016	● Partnership memorandum signed with Singapore Institute of Technology
March 6, 2017	● Partnership memorandum signed with Muhammadiyah University Yogyakarta
April 1, 2018	● Changed the school's name to International College of Technology, Kanazawa Added the Department of Science and Technology (90 students, 2 classes) Stopped accepting students for the Departments of Electrical and Electronic Engineering, Mechanical Engineering, and Global Information and Management

4. Founding Principles

Chairperson, Board of Directors, Kanazawa Institute of Technology

Toshio Izumiya

Founding Spirit of Our School

The founding spirit of our school is to inherit and embody the principles of Mr. Yasuji Saga, the first chairperson of Hokuriku Radio Wave School, which is the predecessor of our school. The main focus of the spirit is a philosophy of humanism, which is the universal principle of working for the good of all humankind.

This spirit had been wholeheartedly inherited by Rikichi Izumiya, a founder and former chairperson of Kanazawa Institution of Technology who developed and improved our school with great enthusiasm since its foundation. Our school changed the corporate name to Kanazawa Institution of Technology and set its founding principles: "To create well-rounded citizens with good character", "To be innovative", and "To promote industry-university collaboration" in order to make excellent progress as a higher education institution in Japan.

The principles aim to foster students who can have pride and unwavering belief as Japanese citizens, contribute to international society, have major roles in technological innovation of the next generation, and realize an affluent human community, as well as cooperate with industries.

Therefore, while the executive board, faculty, staff, and students of our school strive to form their own personality and improve by leaning from others, the whole school should have a strong commitment to the philosophy of close cooperation and contribute to the development of Japanese culture and world peace. By doing so, we can embody this founding spirit.

Focus in Principle of Education

General education is an act of self-formation and getting to the source of human nature, as the philosopher Fichte says. It is also to cultivate character as the educator Natorp says. The cultivation of character means the complete formation of individuals.

The concrete mission of our school is character building, academic research, and vocational education. While every part of our mission is important, the most important part is character building. Quite simply, both academic research and vocational education cannot be achieved without character building even though character building can be achieved through academic research and vocational education.

Since the school is an important place for character building, school life is not only in the classrooms, laboratories, and library. All activities and places such as cultural activities, physical education, welfare facilities, sanitary control, life guidance, and job placement are important.

Educational Ideals

According to our school's funding principles, students, the executive board, faculty and staff members will work together to develop ideal engineering academia in the school community and provide excellent education and research in order to embody the three principles and contribute to the society.

<Three KIT Principles>

To create well-rounded citizens with good character

We will foster the development of creative and unique engineers and researchers that are eager to explore our own culture, possess high moral standards, and are both broad- and internationally-minded.

To be innovative

We will foster the development of engineers and researchers that will contribute to engineering innovation while remaining flexible to the future advancement of science and technology.

To promote industry-university collaboration

We will contribute to the local community as a modern and enlightened school while actively exploring the themes demanded by Japanese industry.

Things for the School Community to Understand

To embody our ideals, the executive board, faculty and staff members need to understand the following:

(1) The engineering academia is a place where members of our school community (students, the executive board, faculty, and staff members) share "KIT-IDEALS", which are standard values for decision-making, provide knowledge and techniques with each other, and generate ideas through co-creation when they act as a member of the school community.

(2) Education extracts and enhances students' potential comprehensively. This means that education cultivates students' intelligence, sensibility, and morals. An additional value in education is "human ability" that includes not only knowledge and technique acquired by study and experiences at the school, but the development of students' philosophy and attitude.

(3) Activities of our school are to enhance services to meet the requirements of members of our school community (students, the executive board, faculty, and staff members), companies, parents, guardians, and communities, and to pursue excellence in the services.

5. Education of International College of Technology, Kanazawa

ICT Educational Mission

To foster creative innovators who can collaborate with others to positively contribute to today's global world.

Three Policies

To achieve the educational mission, our school set the following three policies (Admission Policy, Curriculum Policy, Diploma Policy).

Admission Policy

Our school's mission is "To foster creative innovators who can collaborate with others to positively contribute to today's global world". We ask students, executive board members, faculty, and staff members to respect and be aware of the KIT IDEALS based on the values shared by our school community in order to improve and develop ourselves and our school community. In addition, to acquire the basics of global innovators, the 1st and 2nd year students reside in dormitories for cultivation of humanity and the 3rd year students are obligated to study abroad for a year.

We are seeking those who agree with the philosophy and educational method described above and can take action as follows.

(1) Have solid basic academic skills and interests in science, technology, design (finding and solving problems), and innovation (creating new value).
(2) Have a strong interest and inquiring mind in activities in global society and hope to enhance communication skills in English.
(3) Have the willingness to actively contribute to society and communities.

In addition to admissions based on recommendation and general admissions, we will conduct admissions for international students and Japanese students who have studied overseas to recruit diverse students. In every admission, we conduct a personal interview to select independent, cooperative students with high ambition. The selection process is based on comprehensive assessment of a written exam, application documents, and interview.

Curriculum Policy

We incorporate the ideas of the CDIO Initiative into our curriculum so that students can firmly acquire what it takes to be a global innovator. We also created a curriculum that emphasizes student's active experiences. As for the evaluation of achievement, we use not only created works and exam results, but also a portfolio to evaluate the activity process and the situation of collaborative activities.
The CDIO initiative has the following features.

(1) Enhance problem-finding and problem-solving skills
Start projects to find solutions for open-ended problems immediately after the enrollment. Provide students opportunities to practice design thinking on an ongoing basis and cultivate to their ability to solve problems by repeating problem-finding and problem-solving experiences and using a wide range of research results and research techniques.

(2) Enhance scientific thinking and communication skills
Cultivate inquiring minds in collaboration with others, polish critical/analytical thinking skills, and acquire effective communication skills including discussion and debate.

(3) Cultivate an attitude to actively participate in the creation of a better society
Be aware of membership within a community, conduct projects to investigate and study various settings (community, nature, and environment), and foster awareness as a member of society by contributing to the community.

(4) Develop English skills to act on a global scale
Use English starting in the first year as the medium of instruction in mathematics, science and engineering, and gradually increase the amount of English. After the third year, most of the classes are conducted in English.

(5) Acquire the ability to collaborate with people from different cultures and with various values
Cultivate creativity and a deep understanding of self, community, and the world through opportunities to interact with literature and art and by working with people all over the world.

Diploma Policy

Our school fosters practical and creative engineers who have what it takes to be a global innovator acting on a global scale. A global innovator is a person who uses scientific thinking to characterize problems, acquires the latest engineering knowledge and insight, and creates new value using creative solutions. In addition, a global innovator is a professional who can work in global society by cooperating with experts from various fields, accepting the diversity of cultures and values. Innovators who find new value must understand a wide range of engineering principles and engineering practices. In other words, they are those who understand and practice each stage of "Conceive, Design, Implement, Operate" of the international framework CDIO Initiative whose aim is reform of educational engineering.

Specifically, our students need to acquire the following abilities and behavioral objectives.

I. Personal qualities as a leader that contributes to society

(1) Courage to innovate
Operate with a strong conviction (motive, tenacity) and continue to strive without fearing failure to lead oneself or a team towards success

(2) Sense of duty to society
Maintain a sense of duty to resolve social issues with concern for regional communities and natural environments

(3) Integrity as a leader
Be a responsible collaborator treating others with kindness and respect through modesty while exhibiting leadership in a global environment

II. Communication skills for acting on a global scale

(1) Collaboration
Actively contribute to accomplishing a goal as a team, understanding one's own role and input

(2) Diversity and identity
Maintain a clear sense of identity while possessing a fundamental understanding of various cultures and value systems

(3) Impressing upon others
Having organized one's thoughts logically, effectively convey them in a way that takes into consideration the position and emotions of others

III. Superior scientific and technological capabilities worthy of an innovator

(1) Creating value

Be able to create new value through the practice of design thinking and broad investigations of academic disciplines

(2) Scientific thinking that combines industry, society, and nature

Be able to express one's own thoughts having understood and analyzed science and technology from the aspects of industry, society, and nature

(3) Attitude for continuous learning

With sound learning as a foundation, maintain an attitude for continuously acquiring new knowledge and skills

Based on understanding of the above, graduation requirements are to acquire the specified number of credits by completing the courses and educational programs established according to our school's educational philosophy and purpose.

6. Regulations and Rules

Regulations of International College of Technology, Kanazawa

(For those enrolled in 2018 academic year and after)

Chapter 1 Aims

Article 1 The aims of International College of Technology, Kanazawa (hereinafter, "the College") are to provide a wide range of education in science and engineering according to the philosophy set in the Founding Spirit of Kanazawa Institute of Technology based on the Fundamental Law of Education and the School Education Act, and thereby to foster creative and practical engineers who contribute to the global society as innovators.

2 The mission of the College is to provide education in order to achieve the preceding paragraph, and then contribute to both the international and local community by widely offering the production.

3 To achieve the missions in the two preceding paragraphs, the College shall make every effort to examine and evaluate the status of the education and research activities.

4 Requirements related to the preceding paragraphs are established separately.

Chapter 2 Minimum Period of Enrollment, Academic Years, Academic Terms, and School Holidays

Article 2 The minimum period of enrollment for the College shall be five years.

Article 3 The academic year shall start on April 1 and end on March 31 of the following year.

Article 4 The academic year shall be divided into two terms, as follows.

First semester: From April 1 to September 30

Second semester: From October 1 to March 31

2 The start date and end date set in the preceding paragraph may be changed temporarily by the president of International College of Technology, Kanazawa (hereinafter, "the President").

3 The dates when the courses and other activities are held in each semester shall depend on the academic calendar established separately.

Article 5 The College shall observe the following holidays and recesses. However, if necessary, the President may exchange any of these holidays and recesses with a school day.

(1) Sundays

(2) Public holidays designated under Japan's Act on National Holidays (Act No. 178 of 1948)

(3) The College's anniversary on June 1

(4) Summer Recess

(5) Winter Recess

(6) Spring Recess (at the end of the academic year)

2 The recesses described in (4) through (6) of the preceding paragraph shall depend on the academic calendar.

3 The President shall decide the holidays and recesses described in Paragraph 1 and other special holidays and recesses on a case-by-case basis.

Chapter 3 Department and Student Enrollment Capacity

Article 6 The College shall have the following department.

Department of Science and Technology

2 If it is determined to be educationally advantageous, the department may establish classes within each focus.

3 Matters related to administration of the focuses set in the preceding paragraph shall be established separately.

Article 6-2 The Department of Science and Technology shall aim to foster creative and practical engineers who contribute to the global society as innovators.

2 The educational objectives of the focuses shall be established separately.

Article 7 The number of classes and the student enrollment limit for the Department of Science and Technology shall be as follows.

Department	No. of Classes	Capacity of Admission	Student Enrollment Limit
Department of Science and Technology	2	90	450

Chapter 4 Curriculum

Article 8 The academic year shall be 35 weeks including the duration of the periodic exams.

Article 8-2 The courses of the College shall be divided into general education courses and specialized courses depending on the contents.

2 Special Activities shall be held as well as the courses set in the preceding paragraph.

Article 9 The College shall establish the courses required to achieve the educational purpose of the College and the department, and a systematic curriculum.

2 The College shall establish the curriculum by distributing the courses over a period of five years.

3 The number of credits for each course and the allocation of the credits to each grade shall be as set forth in Table 1.

4 The number of credits for each course shall be calculated by setting 30 unit hours as one credit. (In general, one unit hour shall be equal to 50 minutes. This also applies to the next paragraph and Paragraph 8.)

5 Regardless of the preceding paragraph, for the courses designated as "College-type credits" in Table 1, a course for one credit shall normally be organized to contain contents that require 45-unit-hour learning, and the number of credits shall be calculated by setting courses for 15 unit hours as one credit, in light of the educational effects of said course and required learning other than that during course hours.

6 The total number of credits for courses that can be calculated with the method in the preceding paragraph shall be up to 60.

7 Regardless of Paragraph 3, as for internship and project-based learning, the credit shall be granted by evaluating the achievement of such learning. The number of credits shall be as set forth in Table 1.

8 At least 90 unit hours must be earned in Special Activities by graduation.

Article 10 The President may, when deeming it to be effective from an educational standpoint, regard credits a student has acquired by completing courses at other technical colleges, as credits acquired by completing courses at the College, to an extent not exceeding 30 credits.

Article 11 The President may, when deeming it to be effective from an educational standpoint, deem its student's learning at a college or other learning specified separately by the Minister of Education, Culture, Sports, Science and Technology to be his/her learning of courses at the College, and grant the credit.

2 The number of credits that the College can grant in accordance with the preceding paragraph shall not exceed 30, when combined with the number of credits deemed to have been acquired at the College under the preceding article.

3 Paragraph 1 shall apply to the cases where a student takes courses at a foreign university or high school, and where a student takes distance learning programs in Japan, which are conducted by a foreign university. In these cases also, the total number of credits to be granted shall not exceed 30.

Article 12 The President shall approve completion of the curriculum for each academic year and graduation based on the student's academic results and achievement in Special Activities.

2 The evaluation described in the preceding paragraph shall be governed by the "General Guideline for Teaching at International College of Technology, Kanazawa" established separately.

3 Students whose completion of the curriculum for each academic year or graduation is not granted shall remain at the current grade.

Chapter 5 Admission, Change of Departments, Leave of Absence, Withdrawal, Transfer to Other Schools, and Graduation

Article 13 Students who repeat a grade must retake courses required for the grade. However, this shall not apply to the case when the students have already completed the courses in Table 1-2.

Article 14 Applicants for admission to the College shall meet one of the following conditions:

(1) Have graduated from a junior high school or other equivalent schools.

(2) Have completed the first semester at a secondary school.

(3) Have completed a 9-year program of school education outside Japan.
(4) Have been determined by the Japanese Minister of Education, Culture, Sports, Science and Technology as a person who possess a level of academic proficiency equal to or surpassing that of a person described in Item 3.

Article 15 Persons seeking admission to the College are required to submit the application form and the other specified documents with the payment of the examination fee established in Article 29.

Article 16 The President shall select candidates for admission to the College according to the regulations established separately.

Article 17 Candidates who are notified of selection for admission must pay the admission fee established in Article 29 by the due date and submit the pledge cosigned by the guarantor and the other documents specified by the President.
2 Candidates who complete the entrance procedures of the preceding paragraph shall be admitted to the College by authority of the President.

Article 18 If an applicant seeks admission to the College during or after the second semester of the first grade, the President may approve the admission to the corresponding grade only if the person has reached the appropriate age and has been determined to possess a level of academic proficiency equal to or surpassing that of the corresponding grader, and if there are vacancies.

Article 19 Deleted

Article 20 When students take a long-term leave of absence for medical or other compelling reasons, they must submit, by the designated deadline, a request for leave of absence, cosigned by their guarantor, and receive the approval of the President. If the reason is medical, they must attach the doctor's certificate to the request.
2 A leave of absence shall be approved on a semester-by-semester basis. A request for leave of absence must be submitted by the beginning of the semester.

Article 21 The President may order a suspension of attendance or compulsory leave of absence to a student who is deemed to require medical treatment due to special illness.

2 The President may order a suspension of attendance to a student who has or is suspected to have a contagious disease.

Article 22 The combined leaves of absence shall not exceed two years.

Article 23 Students on a leave of absence may return to the College with permission granted by the President after the reason has disappeared.

Article 24 Students wishing to withdraw from the College for an unavoidable reason must submit a request stating the reason, cosigned by their guarantor, and receive the approval of the President.

2 When a student who has withdrawn from the College according to the preceding paragraph seeks readmission to the College and the student successfully completes the admission process, the President may approve admission to the corresponding year level.

Article 25 Students must receive the approval of the President before transfer to other schools.

Article 26 Students shall reside in the College dormitories for the first and second years.

2 For the third year, students shall study at Otago Polytechnic which is a national school in New Zealand and take courses there.

3 The duration of study abroad described in the preceding paragraph shall be within a year as a general rule.

4 The period of study abroad shall be included in a student's period of enrollment at the College.

5 Matters required for study abroad are governed by the "Rules on Study Abroad for International College of Technology, Kanazawa" established separately.

Article 26-2 For students whom the President has granted study abroad according to Paragraph 2 of the preceding article, the President may provide remote courses through media such as internet for the courses established separately. In this case, the total number of credits to be granted shall not exceed 10.

Article 27 The President shall issue diplomas to students whose graduation has been

approved (referred to "graduates" in the next paragraph).

2 Graduates may receive an associate degree (Engineering).

Chapter 6 Academic Fees

Article 28 In these regulations, "academic fees" refer to the examination fee, admission fee, tuition, and non-resident fee.

2 Matters related to handling the academic fees including those described in these regulations shall be governed by the "Rules on Academic Fees for Kanazawa Institute of Technology".

Article 29 The examination fee and admission fee shall be established as follows.

Examination fee: 15,000 yen

Admission fee: 200,000 yen

Article 30 The tuition shall be established for each academic year in Table 2.

2 The tuition for the first and second years shall include the dormitory fee (and meal expenses).

3 In addition to the tuition for the third year, the tuition for study abroad at Otago Polytechnic, New Zealand and the house stay fee shall be charged separately.

Article 31 The tuition corresponding to the term for a leave of absence shall not be charged. However, students on a leave of absence must pay the non-resident fee corresponding to the term for a leave of absence.

2 The non-resident fee shall be 30,000 yen per semester.

3 The tuition for a student who returns to the College shall equal the tuition for the corresponding academic year that had been determined when the student enrolled in the College.

Article 32 The tuition must be paid for each semester.

2 Regardless of the preceding paragraph, the total annual fee may be paid at once.

3 The payment deadline shall be the date specified in the detailed payment statement of academic fees.

Article 32-2 Academic fees shall not be refunded.

2 The tuition shall be refunded if one of the following items applies, regardless of the preceding paragraph.

(1) When a person admitted to the College has resigned the admission by April 1 with the specified procedure and has already paid the tuition.
(2) When a student who is allowed to take a leave of absence has already paid the tuition for the semester they do not attend.
(3) When a student who has withdrawn or been dismissed from the College has already paid the tuition for the semester they do not attend.

Article 32-3 The tuition shall be charged for students who withdraw, take a leave of absence, are suspended, or are dismissed from the College in the middle of a semester.

Chapter 7 Faculty and Staff Members

Article 33 The College shall be staffed with a President, professors, associate professors, assistant professors, lecturers, assistants, Secretary General, office staff, and technical staff (hereinafter, "faculty members" in the next paragraph and the next article).

2 In addition to the positions in the preceding paragraph, the College may have Vice Presidents and a department chairperson.

Article 34 The President shall take charge of school affairs and supervise the faculty members.

2 The Vice Presidents shall support the President's duties.

3 The department chairperson shall take charge of school affairs related to the department.

4 The professors, associate professors, and assistant professors shall instruct students.

5 The lecturers shall engage in duties equivalent to ones of professors and associate professors.

6 The assistants shall engage in duties required for smooth implementation of education.

7 The secretary General shall support the President and manage clerical duties related to school affairs.

8 The office staff shall engage in clerical duties related to school affairs.

9 The technical staff shall engage in technical affairs.

Article 35 The President shall appoint a Dean of Academic Affairs, Dean of Students, Dean of Career Placement, Dean of Research Projects, and Dean of International Affairs from among the professors.

2 The Dean of Academic Affairs shall plan educational projects and control other academic affairs under direction of the President.

3 The Dean of Students shall control affairs related to students' welfare and guidance (except for affairs controlled by Dean of Career Placement) under direction of the President.

4 The Dean of Career Placement shall control affairs related to students' courses and career placement under direction of the President.

5 The Dean of Research Projects shall control affairs related to students' project activities and teachers' researches under direction of the President.

6 The Dean of International Affairs shall control affairs related to study abroad and international exchange under direction of the President.

Chapter 8 Commendations, Disciplinary Action, and Dismissal

Article 36 The President may grant students commendations when deeming that the students deserve them.

Article 37 The President shall take disciplinary action if students violate the rules of the College or otherwise fail to behave according to accepted ethical standards.

Article 38 Disciplinary action described in the preceding article shall be in the form of a warning, disciplinary confinement at home, suspension, or dismissal.

Article 39 The President shall order dismissal of a student in the following cases:

(1) When a student is deemed to have delinquent behavior and have no prospect of improvement

(2) When a student is deemed unlikely to complete their studies due to their poor performance

(3) When a student is frequently absent without justifiable reason

(4) When a student disrupts the order of the College or violates accepted ethical standards.

(5) When a student who is repeating a grade level according to Article 12 Paragraph 3 cannot move up to the next grade even after retaking the courses.

Article 40 The President shall order a student's removal from the register if any of the following cases applies:

(1) The student fails to pay academic fees after notification

(2) The student fails to graduate within 10 years

(3) The student has exceeded the maximum allowable leave of absence, as stipulated in Article 22

(4) The student has been missing for a long period of time

Chapter 9 International Students

Article 41 If a foreign person seeks admission to the College and the student successfully completes the admission process, the President may approve admission to the College as an international student.

Article 42 Deleted

Article 43 Deleted

Chapter 10 Visiting Researchers and Non-degree Students

Article 44 Persons seeking to pursue research in a specific field of the College may be selected for admission to the College as visiting researchers, provided that education and research at the College are not adversely affected as a result.

2 Matters required for visiting researchers are governed by the "Rules on Visiting Researchers for International College of Technology, Kanazawa" established separately.

Article 45 Deleted

Article 46 Persons seeking to take courses of the College may be selected for admission to the College as non-degree students, provided that education and research at the College are not adversely affected as a result.

2 Non-degree students who do not take courses for credits shall be referred to as "auditors".

3 Matters required for non-degree students are governed by the "Rules on Non-degree Students for International College of Technology, Kanazawa" established separately.

Article 47 Deleted

Chapter 11 Library, etc.

Article 48 The College shall have a Library and other facilities required for education and research.

Article 49 Deleted

Chapter 12 Open Lectures

Article 50 The College may hold open lectures.

Article 51 Deleted

Supplementary Provisions:

1 These Regulations shall take effect on April 1, 1962.

2 These revised Regulations shall take effect on April 1, 1963.

3 These Regulations shall take effect on April 1, 1967.

4 These Regulations shall take effect on April 1, 1969.

5 These Regulations shall take effect on April 1, 1972.

6 These Regulations shall take effect on April 1, 1973.

7 These Regulations shall take effect on April 1, 1974.

8 These Regulations shall take effect on April 1, 1975.

9 These Regulations shall take effect on April 1, 1977.

10 These Regulations shall take effect on April 1, 1978. However, with regard to the curriculum for students who have been enrolled in the College before these Regulations take effect, the provisions previously in force shall remain applicable.

11 These Regulations shall take effect on April 1, 1979.

12 These Regulations shall take effect on April 1, 1980.

13 These Regulations shall take effect on April 1, 1981.

14 These Regulations shall take effect on April 1, 1983.

15 These Regulations shall take effect on March 23, 1984.

16 These Regulations shall take effect on April 1, 1984.

17 These Regulations shall take effect on April 1, 1985.

18 These Regulations shall take effect on April 1, 1986.

19 These Regulations shall take effect on April 1, 1987. However, with regard to the curriculum for students who have been enrolled in the College before these Regulations take effect, the provisions previously in force shall remain applicable.

20 These Regulations shall take effect on April 1, 1988. However, with regard to the curriculum for students who have been enrolled in the College before these Regulations take effect, the provisions previously in force shall remain applicable.

21 These Regulations shall take effect on April 1, 1989.

22 These Regulations shall take effect on April 1, 1990.

23 These Regulations shall take effect on April 1, 1991.

24 These Regulations shall take effect on October 1, 1991.

25 These Regulations shall take effect on April 1, 1992. However, with regard to the curriculum for students who have been enrolled in the College before these Regulations take effect, the provisions previously in force shall remain applicable.

26 These Regulations shall take effect on April 1, 1993.

27 These Regulations shall take effect on April 1, 1994.

28 These Regulations shall take effect on April 1, 1995. However, with regard to the curriculum for students who have been enrolled in the College before these Regulations take effect, the provisions previously in force shall remain applicable.

29 These Regulations shall take effect on April 1, 1996.

30 These Regulations shall take effect on April 1, 1997.

31 These Regulations shall take effect on April 1, 1998.

32 These Regulations shall take effect on April 1, 1999.

33 These Regulations shall take effect on April 1, 2000.

34 These Regulations shall take effect on April 1, 2001.

35 These Regulations shall take effect on April 1, 2002.

36 These Regulations shall take effect on April 1, 2003. However, with regard to the curriculum for students who have been enrolled in the College before these Regulations take effect, the provisions previously in force shall remain applicable.

37 These Regulations shall take effect on April 1, 2004. However, Article 30 Table 2 in Regulations for Kanazawa Technical College prior to revision shall be still applicable to students entering the College in the 1999 academic year.

38 These Regulations shall take effect on April 1, 2005.

39 These Regulations shall take effect on April 1, 2007.

40 These Regulations shall take effect on April 1, 2008.

41 These Regulations shall take effect on April 1, 2009. However, regardless of the revised Article 6, Department of Electrical and Computer Engineering and Department of Computer Engineering and International Communication shall remain until March 31, 2009, when there are no students who belong to the departments.

42 These Regulations shall take effect on April 1, 2013.

43 These Regulations shall take effect on April 1, 2015. However, regardless of the revised Article 6, Department of Global Information Technology shall remain until March 31, 2015, when there are no students who belong to the department. With regard to the curriculum for students who have been enrolled in the College before these Regulations take effect, the provisions previously in force shall remain applicable.

44 These Regulations shall take effect and the College name shall be changed from "Kanazawa Technical College" to "International College of Technology, Kanazawa" on April 1, 2018. However, for students who belong to Department of Electrical and Electronic Engineering, Department of Mechanical Engineering, and Department of Global Information and Management established in Article 6 prior to revision as of March 31, 2018, the provisions previously in force shall remain applicable until there are no students who belong to the departments, with the exception of the new College name that shall be applicable.

Table 1 Curriculum Refer to the next pages.

Table 1-2

Department	Course
Department of Science and Technology	Internship I, Internship II

Table 2 Academic Fees

Tuition (unit: yen)

	Year 1	Year 2	Year 3	Year 4	Year 5
First semester	1,500,000	1,500,000	125,000	800,000	800,000
Second semester	1,500,000	1,500,000	125,000	800,000	800,000

Curriculum - Regulations, Article 9, Table 1

General Education Courses (Common to all focus students)

*** For those enrolled in 2018 academic year and after**

Course \ Grade			Year and Semester	Number of Credits		Credits by Year					Remark
				Required	Elective	Year 1	Year 2	Year 3	Year 4	Year 5	
General Education Courses (common to all focus students)	Humanities	Japanese Language Expression IA	1 Semester1	1		1					
		Japanese Language Expression IB	1 Semester2	1		1					
		Japanese Language Expression IIA	2 Semester1	1			1				
		Japanese Language Expression IIB	2 Semester2	1			1				
		English Expression IA	1 Semester1	1		1					For international students
		English Expression IB	1 Semester2	1		1					
		English Expression IIA	2 Semester1	1			1				
		English Expression IIB	2 Semester2	1			1				
		Japanese Literature I	1 Semester1		1	1					
		Japanese Literature II	2 Semester2		1		1				
		World Literature I	1 Semester1		1	1					For international students
		World Literature II	2 Semester2		1		1				
		Academic Writing	4 Semester1		1				1		
		History and Culture IA	1 Semester1	1		1					
		History and Culture IB	1 Semester2	1		1					
		History and Culture IIA	2 Semester1	1			1				
		History and Culture IIB	2 Semester2	1			1				
		History and Culture (English) IA	1 Semester1	1		1					For international students
		History and Culture (English) IB	1 Semester2	1		1					
		History and Culture (English) IIA	2 Semester1	1			1				
		History and Culture (English) IIB	2 Semester2	1			1				
		Global Studies	3 Semester1	2				2			

General Education Courses (common to all focus students)		Social Science	4 Semester1		2				2		College-type credits
		Humanities	4 Semester2		2				2		College-type credits
		Psychology	5 Semester1		2					2	College-type credits
	Natural Science	Pre-Calculus A	1 Semester1	2		2					
		Pre-Calculus B	1 Semester2	2		2					
		Calculus A	2 Semester1	2			2				
		Calculus B	2 Semester2	2			2				
		Fundamental Mathematics A	1 Semester1	2		2					
		Fundamental Mathematics B	1 Semester2	2		2					
		Algebra and Geometry A	2 Semester1	2			2				
		Algebra and Geometry B	2 Semester2	2			2				
		Mathematical Statistics	4 Semester1	2					2		College-type credits
		Physics IA	1 Semester1	1		1					
		Physics IB	1 Semester2	2		2					
		Physics IIA	2 Semester1	2			2				
		Physics IIB	2 Semester2	2			2				
		Chemistry IA	1 Semester1	1		1					
		Chemistry IB	1 Semester2	2		2					
		Chemistry IIA	2 Semester1	2			2				
		Chemistry IIB	2 Semester2	2			2				
		Biology IA	1 Semester1	1		1					
		Biology IB	1 Semester2	1		1					
		Biology IIA	2 Semester1	1			1				
		Biology IIB	2 Semester2	1			1				
	Second Language	English Reading and Writing IA	1 Semester1	1		1					
		English Reading and Writing IB	1 Semester2	1		1					
		English Reading and Writing IIA	2 Semester1	1			1				
		English Reading and Writing IIB	2 Semester2	1			1				
		English Listening and Speaking IA	1 Semester1	2		2					
		English Listening and	1 Semester2	1		1					

General Education Courses (common to all focus students)	Second Language	Speaking IB									
		English Listening and Speaking IIA	2 Semester1	1			1				
		English Listening and Speaking IIB	2 Semester2	2			2				
		Bridge English	1 Semester1	2		2					
		Japanese IA	1 Semester1	5		5					For international students
		Japanese IB	1 Semester2	2		2					
		Japanese II	2 Semester1	2			2				
		Japanese Communication	2 Semester2	3			3				
		Functional English	3 Full year	3				3			3rd year study abroad program
		Comprehensive English IA	4 Semester1	1					1		
		Comprehensive English IB	4 Semester2	1					1		
		Comprehensive English IIA	5 Semester1	1						1	
		Comprehensive English IIB	5 Semester2	1						1	
		Technical English	3 Full year	4				4			3rd year study abroad program
		Technical Communication	4 Semester1		2				2		College-type credits
		Overseas English Program	2 School Holiday		4		4				
	Health and Physical Education	Health and Physical Education IA	1 Semester1	1		1					
		Health and Physical Education IB	1 Semester2	1		1					
		Health and Physical Education IIA	2 Semester1	1			1				
		Health and Physical Education IIB	2 Semester2	1			1				
		Health and Physical Education IIIA	4 Semester1	1					1		
		Health and Physical Education IIIB	4 Semester2	1					1		
		Visual Arts I	1 Semester2		1	1					
		Visual Arts II	2 Semester1		1		1				
		Performing Arts I	1 Semester2		1	1					
		Performing Arts II	2 Semester1		1		1				

Total of General Education Courses	Total credits of required courses	75	—	29	29	9	6	2	
	Total credits of elective courses	—	19	3	7	0	7	2	
	Minimum number of credits for elective courses	—	4	1	1	0	2	0	
	Total of minimum number of required credits	79		30	30	9	8	2	

Specialized Courses (Department of Science and Technology)

*** For those enrolled in 2018 academic year and after**

Course / Grade			Year and Semester	Number of Credits		Credits by Year					Remark
				Required	Elective	Year 1	Year 2	Year 3	Year 4	Year 5	
Common to All Focus Students	Co-creation	Engineering Design IA	1 Semester1	2		2					
		Engineering Design IB	1 Semester2	2		2					
		Engineering Design IIA	2 Semester1	2			2				
		Engineering Design IIB	2 Semester2	2			2				
		Engineering Design III	3 Full year	8				8			3rd year study abroad program
		Engineering Design IVA	4 Semester1	2					2		
		Engineering Design IVB	4 Semester2	2					2		
		Engineering Design VA	5 Semester1	2						2	
		Engineering Design VB	5 Semester2	2						2	
		Engineering Context IA	1 Semester1	1		1					
		Engineering Context IB	1 Semester2	1		1					
		Engineering Context IIA	2 Semester1	1			1				
		Engineering Context IIB	2 Semester2	1			1				
		Basic Engineering Skills	3 Full year	3				3			3rd year study abroad program
		Internship I	4 School Holiday		1				1		
		Internship II	5 School Holiday		1					1	
		Entrepreneurship	5 Semester2		1					1	
	IT Literacy	Computer Skills IA	1 Semester1	1		1					
		Computer Skills IB	1 Semester2	1		1					
		Computer Skills IIA	2 Semester1	1			1				
		Computer Skills IIB	2 Semester2	1			1				
	Total credits of required courses			35	0	8	8	11	4	4	
	Total credits of elective courses			0	3	0	0	0	1	2	

Course / Grade			Year and Semester	Number of Credits		Credits by Year					Remark
				Required	Elective	Year 1	Year 2	Year 3	Year 4	Year 5	
Electric and Electronic Engineering Focus Students	3rd Year Study Abroad Program	Electric Circuits I	3 Full year	4				4			3rd year study abroad program
		Electronic Engineering	3 Full year		4			4			Choose 2 courses from these courses.
		Electrical Power Engineering	3 Full year		4			4			
		Mathematical Engineering	3 Full year		4			4			
		Sequence Control Engineering	3 Full year		4			4			
		Introduction to Networks	3 Full year		4			4			
	Specialized Basic Course	Applied Mathematics IA	4 Semester1	2					2		College-type credits
		Applied Mathematics IB	4 Semester2	2					2		College-type credits
		Applied Mathematics IIA	5 Semester1	2						2	College-type credits
		Applied Mathematics IIB	5 Semester2	2						2	College-type credits
		Engineering Mathematics	5 Semester1		2					2	College-type credits
		Applied Physics IA	4 Semester1	2					2		College-type credits
		Applied Physics IB	4 Semester2	2					2		College-type credits
		Applied Physics IIA	5 Semester1	2						2	College-type credits
		Applied Physics IIB	5 Semester2	2						2	College-type credits
		Applied Chemistry IA	4 Semester1		2				2		College-type credits
		Applied Chemistry IB	4 Semester2		2				2		College-type credits
		Applied Chemistry IIA	5 Semester1		2					2	College-type credits
		Applied Chemistry IIB	5 Semester2		2					2	College-type credits
	Specialist Focus	Electric Circuits IIA	4 Semester1	2					2		College-type credits
		Electric Circuits IIB	4 Semester2	2					2		College-type credits
		Transient Phenomena	5 Semester1		2					2	College-type credits
		Basic Electronic Circuits	4 Semester2	2					2		College-type credits
		Electronic Circuits	5 Semester1	2						2	College-type credits
		Electromagnetics A	4 Semester1	2					2		College-type credits

Electric and Electronic Engineering Focus Students	Specialist Focus	Electromagnetics B	4 Semester2	2					2		College-type credits
		Electric and Electronic Materials Engineering	5 Semester1	2						2	College-type credits
		Physical Electronics	5 Semester2		2					2	College-type credits
		Drawing Skills in Electrical Engineering	5 Semester1		1					1	
		Electrical Machinery and Electronic Applications	5 Semester2	2						2	College-type credits
		Electrical and Electronic Instrumentation Engineering	5 Semester2	2						2	College-type credits
		Computer Architecture	4 Semester2	2					2		College-type credits
		Programming A	5 Semester1	2						2	
		Programming B	5 Semester2		2					2	
		Project-Based Learning									Number of credits will be determined separately.
	Total credits of required courses			42	0	0	0	4	20	18	
	Total credits of elective courses			0	37	0	0	20	4	13	

Course \ Grade			Year and Semester	Number of Credits		Credits by Year					Remark
				Required	Elective	Year 1	Year 2	Year 3	Year 4	Year 5	
Mechanical Engineering Focus Students	3rd Year Study Abroad Program	Engineering Mechanics	3 Full year	4				4			3rd year study abroad program
		Mechanical Design	3 Full year		4			4			Choose 2 courses from these courses.
		Heat Transfer Engineering	3 Full year		4			4			
		Fluid Engineering	3 Full year		4			4			
		Materials Science	3 Full year		4			4			
		Basic Electrical Engineering	3 Full year		4			4			
		Sequence Control Engineering	3 Full year		4			4			
	Specialized Basic Course	Applied Mathematics IA	4 Semester1	2					2		College-type credits
		Applied Mathematics IB	4 Semester2	2					2		College-type credits
		Applied Mathematics IIA	5 Semester1	2						2	College-type credits
		Applied Mathematics IIB	5 Semester2	2						2	College-type credits
		Engineering Mathematics	5 Semester1	2						2	College-type credits
		Applied Physics IA	4 Semester1	2					2		College-type credits
		Applied Physics IB	4 Semester2	2					2		College-type credits
		Applied Physics IIA	5 Semester1	2						2	College-type credits
		Applied Physics IIB	5 Semester2	2						2	College-type credits
		Applied Chemistry IA	4 Semester1		2				2		College-type credits
		Applied Chemistry IB	4 Semester2		2				2		College-type credits
		Applied Chemistry IIA	5 Semester1		2					2	College-type credits
		Applied Chemistry IIB	5 Semester2		2					2	College-type credits
		Applied Biology I	4 Semester1		2				2		College-type credits
	Specialist Focus	Mechanics of Materials I	4 Semester2	2					2		College-type credits
		Mechanics of Materials II	5 Semester1	2						2	College-type credits
		Technical Drawing	4 Semester1	2					2		
		Design of Machine Element	4 Semester2		2				2		College-type credits
		Thermodynamics	4 Semester2		2				2		College-type credits

Mechanical Engineering Focus Students	Specialist Focus	Thermal Engineering	5 Semester1		2					2	College-type credits
		Fluid Mechanics	4 Semester2		2				2		College-type credits
		Machining	4 Semester1	2					2		
		Measurement Engineering	5 Semester1	2						2	College-type credits
		Materials Engineering	5 Semester2		2					2	College-type credits
		Basic Electronic Circuits	4 Semester2		2				2		College-type credits
		Control Engineering	5 Semester2	2						2	College-type credits
		Computer Architecture	4 Semester2	2					2		College-type credits
		Programming A	5 Semester1	2						2	
		Programming B	5 Semester2		2					2	
		Project-Based Learning									Number of credits will be determined separately.
	Total credits of required courses			38	0	0	0	4	16	18	
	Total credits of elective courses			0	48	0	0	24	14	10	

Course		Grade / Year and Semester	Number of Credits		Credits by Year					Remark
			Required	Elective	Year 1	Year 2	Year 3	Year 4	Year 5	
Information Frontier Focus Students	3rd Year Study Abroad Program	Basic Programming	3 Full year		4			4			
		Programming	3 Full year		4			4			Choose 3 courses from these courses.
		Web Design	3 Full year		4			4			
		Introduction to Networks	3 Full year		4			4			
		Business Computing	3 Full year		4			4			
		Basic System Analysis	3 Full year		4			4			
		Basic Marketing	3 Full year		4			4			
		Management	3 Full year		4			4			
		Sustainable Business Practices	3 Full year		4			4			
	Specialized Basic Course	Applied Mathematics IA	4 Semester1	2					2		College-type credits
		Applied Mathematics IB	4 Semester2	2					2		College-type credits
		Applied Mathematics IIA	5 Semester1	2						2	College-type credits
		Applied Mathematics IIB	5 Semester2	2						2	College-type credits
		Engineering Mathematics	5 Semester1		2					2	College-type credits
		Applied Physics IA	4 Semester1		2				2		College-type credits
		Applied Physics IB	4 Semester2		2				2		College-type credits
		Applied Physics IIA	5 Semester1		2					2	College-type credits
		Applied Physics IIB	5 Semester2		2					2	College-type credits
		Applied Chemistry IA	4 Semester1		2				2		College-type credits
		Applied Chemistry IB	4 Semester2		2				2		College-type credits
		Applied Biology I	4 Semester1		2				2		College-type credits
	Specialist Focus	Information Mathematics I	4 Semester1	2					2		College-type credits
		Information Mathematics IIA	5 Semester1	2						2	College-type credits
		Information Mathematics IIB	5 Semester2	2						2	College-type credits
		Programming Lab A	4 Semester1		2				2		

Information Frontier Focus Students	Specialist Focus	Programming Lab B	4 Semester2		2				2		
		Computer System A	4 Semester1	2					2		College-type credits
		Computer System B	4 Semester2	2					2		College-type credits
		Network Systems Lab	5 Semester2		2					2	
		Software Engineering	4 Semester2	2					2		College-type credits
		Software Engineering Lab	5 Semester1	2						2	
		Database	5 Semester2	2						2	College-type credits
		Data Structures and Algorithms	4 Semester2	2					2		College-type credits
		Operating System	5 Semester1		2					2	College-type credits
		Media Informatics	5 Semester2		2					2	College-type credits
		Introduction to Management	5 Semester1	2						2	College-type credits
		Business Accounting	5 Semester2	2						2	College-type credits
		Advanced Topics in Business	5 Semester2		2					2	College-type credits
		Project-Based Learning									Number of credits will be determined separately.
	Total credits of required courses			30	0	0	0	0	14	16	
	Total credits of elective courses			0	64	0	0	36	14	14	

Course		Grade	Year and Semester	Number of Credits		Credits by Year					Remark
				Required	Elective	Year 1	Year 2	Year 3	Year 4	Year 5	
Applied Chemistry Focus Students	3rd Year Study Abroad Program	Mathematical Engineering	3 Full year		4			4			Choose 2 courses from these courses.
		Materials Science	3 Full year		4			4			
		Basic Computer Engineering	3 Full year		4			4			
		Basic Programming	3 Full year		4			4			
		Programming	3 Full year		4			4			
		Web Design	3 Full year		4			4			
		Introduction to Networks	3 Full year		4			4			
	Specialized Basic Course	Applied Mathematics IA	4 Semester1	2					2		College-type credits
		Applied Mathematics IB	4 Semester2	2					2		College-type credits
		Applied Mathematics IIA	5 Semester1	2						2	College-type credits
		Applied Mathematics IIB	5 Semester2	2						2	College-type credits
		Engineering Mathematics	5 Semester1		2					2	College-type credits
		Applied Chemistry IA	4 Semester1	2					2		College-type credits
		Applied Chemistry IB	4 Semester2	2					2		College-type credits
		Applied Chemistry IIA	5 Semester1	2						2	College-type credits
		Applied Chemistry IIB	5 Semester2	2						2	College-type credits
		Applied Biology I	4 Semester1	2					2		College-type credits
		Applied Biology II	5 Semester2	2						2	College-type credits
	Specialist Focus	Fundamental of Laboratory Safety	4 Semester1	2					2		College-type credits
		Applied Experiment and Practice in Chemistry A	5 Semester1	3						3	College-type credits
		Applied Experiment and Practice in Chemistry B	5 Semester2	3						3	College-type credits
		Chemistry of Phase and Reaction	4 Semester1	2					2		College-type credits
		Chemical Engineering	4 Semester2	2					2		College-type credits

	Specialist Focus	Materials Engineering	5 Semester2		2					2	College-type credits
		Electrochemistry for Energy conversion and Storage	4 Semester2		2				2		College-type credits
		Electric and Electronic Materials Engineering	5 Semester1		2					2	College-type credits
		Physical Electronics	5 Semester2		2					2	College-type credits
		Analytical Chemistry	4 Semester2	2					2		College-type credits
		Environmental Chemistry	5 Semester1		2					2	College-type credits
		Polymer Chemistry	5 Semester2	2						2	College-type credits
		Computer Architecture	4 Semester2	2					2		College-type credits
		Programming A	5 Semester1	2						2	
		Programming B	5 Semester2		2					2	
		Project-Based Learning									Number of credits will be determined separately.
	Total credits of required courses			40	0	0	0	0	20	20	
	Total credits of elective courses			0	42	0	0	28	2	12	

Grade / Minimum number of credits		Number of Credits	Credits by Year					Remark
			Year 1	Year 2	Year 3	Year 4	Year 5	
Total	Minimum number of credits for general courses	79	30	30	9	8	2	
	Minimum number of credits for specialized courses	88	8	8	23	24	25	Including specialized courses common to all the focuses.
	Total of minimum number of required credits	167	38	38	32	32	27	
Special Activities		○	90 or more unit hours					

Various Rules

(For those enrolled in 2018 academic year and after)

Rules on Non-degree Students for International College of Technology, Kanazawa

(Aims)

Article 1 These rules shall define necessary matters concerning Non-degree Students based on the provisions of Article 46, paragraph 2 in the Regulations of International College of Technology, Kanazawa (hereinafter, "Regulations").

(Eligibility)

Article 2 A person who satisfies any of the following and wishes to take one or more courses at the International College of Technology, Kanazawa (hereinafter, "the College") may become a Non-degree Student.

(1) Those who have graduated from junior high school

(2) Those who have been determined by the President to possess a level of academic proficiency equal to or surpassing that of a junior high school graduate

(Application Procedure)

Article 3 Those who wish to enroll as Non-degree Students shall apply for it with the documents specified separately and an examination fee of 5,000 yen one month before a semester begins.

(Admission)

Article 4 The President shall screen applicants and approve their admission to the College, when there is no hindrance to the education and research of the existing students in the College.

(Enrollment Procedure)

Article 5 Accepted Non-degree Students shall submit the specified documents concerning enrollment by the designated deadline.

(Term and Courses)

Article 6 Non-degree Students may take courses over a two year time period. Non-degree Students may take up to six courses per year depending on permission from the President.

(Tuition)

Article 7 Non-degree Students shall pay tuition of 18,000 yen per credit at a designated date before classes begin.

(Withdrawal of Non-degree Students' Eligibility)

Article 8 The President may require a Non-degree Student to leave the College if the Non-degree Student has little success in the course, violates school rules, or fails to pay the tuition.

(Certification of Credits)

Article 9 The certification of the course credits shall be governed by the General Guidance for Teaching prescribed in Article 12, paragraph 2 of the Regulations.

(Other)

Article 10 In addition to what is stipulated in these rules, Non-degree Students shall observe the Regulations.

Supplementary Provisions

1. These rules shall take effect on April 1, 1995.
2. These revised rules shall take effect on April 1, 1996.
3. These revised rules shall take effect on April 1, 2005.
4. These revised rules shall take effect on April 1, 2018.

Rules on Visiting Researchers for International College of Technology, Kanazawa

(Aims)

Article 1 These rules shall define the requirements concerning Visiting Researchers based on the provisions of Article 44, paragraph 2 in the Regulations of International College of Technology, Kanazawa (hereinafter, "Regulations").

(Eligibility)

Article 2 A person who satisfies any of the following and wishes to pursue research on a specific matter in the International College of Technology, Kanazawa (hereinafter, "the College") may become a Visiting Researcher.

(1) Those who have graduated from high school

(2) Those who have been determined by the President to possess a level of academic proficiency equal to or surpassing that of a high

school graduate

(Timing)

Article 3 The timing of Visiting Researchers' enrollment shall be the beginning of each academic semester.

(Application Procedure)

Article 4 Those who wish to enroll as Visiting Researchers shall apply for it with the documents specified separately and an examination fee of 10,000 yen.

(Admission)

Article 5 The President shall screen applicants and approve their admission to the College, when there is no hindrance to the education and research of the existing students in the College.

(Enrollment Procedure)

Article 6 Those who received the notification of enrollment permission shall submit the specified documents by the designated deadline.

(Completion of Research)

Article 7 Research shall end in the academic year granted enrollment. However, it may be extended for up to a total of two years if necessary.

(Supervisor)

Article 8 The President shall designate a supervisor according to the research subject of the Visiting Researcher.

2. Visiting Researchers shall receive instructions from the supervisor on the specific research subject and may attend the relevant classes with the approval of the supervisor and the teacher in charge of the course.

3. If Visiting Researchers wish to receive credits for courses taken, they will be required to enroll as Non-degree Students of the College.

(Completion)

Article 9 When completing the research, Visiting Researchers shall submit the research completion report that describes the outline of the research outcome to the President through the supervisor.

2. The President shall issue a certificate of research completion to Visiting Researchers upon their request.

(Tuition)

Article 10 The tuition for Visiting Researchers shall be 56,000 yen per month. The total tuition must be paid at enrollment.

(Expenses for Experiments and Projects)

Article 11 All expenses required for experiments and projects shall be paid by Visiting Researchers.

(Other)

Article 12 In addition to what is stipulated in these rules, Visiting Researchers shall observe the Regulations.

Supplementary Provisions

1. These rules shall take effect on April 1, 2005.
2. These revised rules shall take effect on April 1, 2018.

Rules on School Life in International College of Technology, Kanazawa

Chapter 1 General Rules

Article 1 These rules shall define necessary matters for students to observe based on the Rules for Students of International College of Technology, Kanazawa.

Article 2

1. Students shall maintain healthy lifestyle. They shall try not to be absent from school, miss classes, be late, or leave early.
2. If a student is going to be absent from school, their parent or guardian shall call the International College of Technology, Kanazawa (hereinafter, "the College") between 8:00 and 8:40 in the morning.
3. On the Hakusanroku campus, the Unit Leader shall call the roll and inform a Resident Adviser.

Chapter 2 Commute

Article 3 1st-year students shall not get a moped license (50cc or less motorcycle).

Article 4 Those who commute by a moped shall obtain permission from the President.

Article 5 Those who commute by a moped shall

(1) Observe traffic rules and drive safely

(2) Always wear a school approved helmet

(3) Wear eye protection

Article 6 Students shall not drive a moped during breaks between classes.

Article 7 Students shall not get a license of motorcycle with an engine size more than 50cc.

Article 8 Students shall not drive to school by car.

Chapter 3 Others

Article 9 Students shall not smoke.

Article 10 The College shall encourage club activities. All the 1st, 2nd and 3rd year students shall join clubs and take part in club activities.

Article 11 Students shall not have a part-time job except during summer, winter, and spring holidays.

2. Those who have a part-time job during summer, winter, or spring holidays shall obtain guardian's consent and permission from the College.

Article 12 For the other details of the rules students shall observe in their school life, students shall follow the instructions of faculty and staff members.

Supplementary Rules

These supplementary rules are in addition to the rules on School Life.

(1) Students' studies and school duties shall not be affected by getting a moped license and driver's license.
(2) Students who commute to school by bicycle shall inform the school.
(3) Students shall sit down immediately after the bell to begin class has rung.
(4) Students shall cooperate in cleaning the College and dispose of garbage in the specified trash can.
(5) Students shall not leave the College during breaks between classes.
(6) Students shall not eat or drink while walking.
(7) Students shall treat things carefully and keep valuable items safe to avoid theft and loss.
(8) Students shall not leave textbooks and other items in classrooms and lockers after school.
(9) Students shall not go to places that are not suitable for students.

Supplementary Provisions

These rules shall take effect on April 1, 1966.
These rules shall take effect on April 1, 1986.
These rules shall take effect on April 1, 1991.
These rules shall take effect on April 1, 1992.
These rules shall take effect on April 1, 1995.
These rules shall take effect on April 1, 2004.
These rules shall take effect on April 1, 2005.
These revised rules shall take effect on April 1, 2007.
These revised rules shall take effect on April 1, 2018.

Rules on Dormitories for International College of Technology, Kanazawa

Chapter 1 General Rules

(Aims)

Article 1 These rules shall define necessary matters concerning the operation, management, and others of student dormitories on the Hakusanroku campus (hereinafter, "dorms") of the International College of Technology, Kanazawa (hereinafter, "the College ") to operate the dorms smoothly and appropriately and achieve the objective of the next article.

(Objective of Dorms)

Article 2 The dorms shall be educational facility of the College established under Article 48 of the Regulations of International College of Technology, Kanazawa. The objective of the dorms shall be to promote adaptation to the school life for students, foster friendships and the spirits of mutual help and tolerance, and support students' growth.

Chapter 2 Operation and Management of Dorms

(Person in Charge of Operation)

Article 3 The manager in charge of dorm operation shall be the President of the College (hereinafter, "President"). However, the affairs of the Campus Facilities Department shall be excluded.

2. The President may order the Dean of Students to perform the relevant duties.

(Administrator)

Article 4 For daily management and operation of the dorms, the College shall appoint an administrator under the supervision of the manager.

2. The administrator shall be the Director of Hakusanroku Kosen Office.

(Dorm Committee)

Article 5 In order to discuss general matters including the management and operation of the dorms, the College shall arrange a Dorm Committee of the International College of Technology, Kanazawa (hereinafter, "Dorm Committee").

2. The Dorm Committee shall consist of the following persons.
   President
   Vice President
   Dean of Students
   Secretary General
   Director, Hakusanroku Kosen Office
   Director, Campus Facilities Department
   Safety and Health Committee
3. The Chairperson of the Dorm Committee shall be the President.
4. The Dorm Committee shall be called by the Chairperson as necessary.
5. The Chairperson may invite non-committee members to the Dorm Committee and hear their opinions as necessary.

(Arrangement of Faculty and Staff Members)

Article 6 Faculty and staff members in charge of the work listed in the following items shall be arranged in order to manage and operate the dorms, educate students, and provide life guidance. In addition, other faculty and staff members shall be arranged as necessary.

(1) Learning Mentor (LM) shall be in charge of students' study at night.
(2) Resident Adviser (RA) shall be in charge of guidance on students' daily life in the dorms.

Chapter 3 Life in Dorms

(Moving into Dorm)

Article 7 First-year and second-year students (hereinafter, "residents") of the College shall reside in the dorms.

2. Before moving into the dorms, the residents shall submit the specified documents to the President by the deadline.
3. If a person who has obtained permission to move into the dorm does not complete the procedures prescribed in the preceding paragraph, or make false statements, the President may cancel the permission.

(Compliance Obligation)

Article 8 The residents shall observe the regulations and rules of the College, Guidelines for Use of Dormitories and Facilities, and Guidelines for Dorm Residents. They shall also act according to the instructions of faculty and staff members.

(Moving out of Dorm)

Article 9 If a resident satisfies any of the following (1) to (5), the President may order the resident to move out of the dorm temporarily or permanently.

(1) A resident violates the Regulations of International College of Technology, Kanazawa, or the other regulations and rules stipulated by the College.
(2) A resident is deemed to be unsuitable for communal life due to medical or other reasons.
(3) A resident is permitted to take a leave of absence, or withdraws (including dismissal) or is suspended from the College.
(4) A resident disturbs the order of communal life or morals.
(5) A resident causes troubles that severely interfere with the operational management of the dorms.

2. When leaving the dorms, the residents shall restore the rooms to the original state and receive the approval from a Resident Adviser.

(Education in Dorm)

Article 10 Residents shall receive education in the dorms while they are in school.

(Expenses during Vacations)

Article 11 When staying in the dorms during vacations, residents shall pay the meal expenses and other expenses necessary for daily life.

2. For the expenses during vacations, residents shall pay the amount determined by the College by the specified deadline in the manner designated by the College.

(Unit Leader)

Article 12 The dorms shall have Unit Leaders (UL) selected from the residents.

2. Unit Leaders shall assist Resident Advisers.
3. The selection, term, and other matters of Unit Leaders shall be established separately.

(Meetings and Events)

Article 13 To run meetings and events in or outside the dorms, residents shall obtain permission from a Resident Adviser.

2. The chief of a meeting or event shall report the progress to a Resident Adviser immediately after the meeting or event finishes.

3. If the contents of a meeting or event are against the educational policy of the College or general social wisdom, a Resident Adviser may cancel the meeting or event.

(Post)

Article 14 When posting a notice on the bulletin board in the dorm, residents shall obtain permission from a Resident Adviser.

2. Residents shall follow Resident Adviser's instructions regarding the posting place, period, style, etc.

3. The person in charge of posting shall remove the posted notice immediately after the posting period ends.

4. When a person other than residents desires to post a notice on the bulletin board in the dorm, the person shall obtain permission from a Resident Adviser and follow the instructions.

(Maintenance of Facilities)

Article 15 Residents shall try to keep the living rooms, units, facilities, and equipment in the dorms in a normal state at all times.

2. If residents lose, damage, or dirty the facilities or equipment intentionally or negligently, they shall restore it to the original state or pay the expenses required for the restoration.

(Belongings)

Article 16 Residents shall only bring allowed items into the dorms.

2. Residents shall thoroughly manage their belongings.

(Theft and Accident)

Article 17 Residents shall try to prevent theft and other accidents.

2. When residents notice theft or other accidents, they shall notify a Resident Adviser immediately.

(Disaster Prevention)

Article 18 Residents shall be always aware of fire and other disaster prevention.

2. Residents shall actively participate in fire and other disaster drills conducted by the College.

(Health Maintenance and Promotion)

Article 19 Residents shall try to maintain and promote their own health.

2. The President shall conduct heath checkups or vaccination for residents if necessary.

(Cleaning and Organizing)

Article 20 Residents shall clean and organize the inside and outside of the dorms and strive to maintain a comfortable environment.

(Living Areas)

Article 21 Residents shall not enter a dorm of the opposite sex.

2. If residents need to enter the area described in the preceding paragraph, they shall notify a Resident Adviser and follow the instructions.

(Room Entry)

Article 22 Faculty and staff members may enter the individual rooms when it is necessary for student guidance, administrative operation, or urgent matters.

(Closing Dorms)

Article 23 The President may set a dorm closing period during long holidays such as summer holiday and winter holiday.

2. Residents shall not enter the dorms during the closing period unless otherwise approved by the President.

Chapter 4 Miscellaneous Rules

(Entry of Non-Residents)

Article 24 A person who desires to enter the dorms for a meeting with residents, a campus tour, and other reasons shall obtain permission from a Resident Adviser and follow the instructions.

(Utilization of Facilities by Non-Residents)

Article 25 When a non-resident desires to use facilities and equipment in the dorms, the person shall obtain permission from President and follow Resident Adviser's instructions.

(Administrator)

Article 26 The Director of Hakusanroku Kosen Office shall be in charge of office work related to the dorms.

(Other Matters)

Article 27 In addition to what is established in these rules, matters concerning the dorms shall be stipulated separately.

Supplementary Provisions

These rules shall take effect on April 1, 2018.

Rules on Student Council for International College of Technology, Kanazawa

Chapter 1 General Rules

Article 1 This council shall be called "International College of Technology, Kanazawa Student Council" (hereinafter, "the Council").

Article 2 The Council shall aim to cultivate students' autonomous spirit and characters, and accomplish the objectives of technical college education by conducting voluntary activities on their own under the guidance of the College.

Article 3 The Council shall consist of all students (hereinafter, "Members") in International College of Technology, Kanazawa (hereinafter, "the College").

Chapter 2 Board Members

Article 4 The Council shall have the following Board Members.

(1) Chairperson 1 person
(2) Vice Chairperson 2 persons
(3) Secretary 2 persons
(4) Accountant 2 persons
(5) Audit Commissioner 3 persons

Article 5 The Board Members shall be elected among Members.

Article 6 The term of Board Members shall be one year from November 1st to October 31st of the following year. However, the term of a replaced Board Member shall be the remaining term of the predecessor.

2. Even after the term finishes, Board Members shall continue their duties until the next Board Members take up their positions.

Article 7 Board Members (except Audit Commissioners) shall resign if more than two-thirds of the Members of Council Assembly (hereinafter, "the Assembly") request the resignation.

Article 8 Board Members shall resign if they cannot conduct their duties due to illness or other reasons.

Article 9 If there is a vacancy in Board Members, an election to fill the vacancy shall be conducted within two weeks.

Article 10 Chairperson shall represent the Council and manage the affairs of the Council. However, for matters related to other organizations, the Chairperson shall receive guidance and approval from the Dean of Students of the College.

Article 11 Vice Chairpersons shall assist the Chairperson and act on behalf of the Chairperson if the Chairperson is not available.

Article 12 Secretaries shall also serve as a secretary of the Assembly, be responsible for maintaining and keeping records, and deal with general affairs.

Article 13 Accountants shall deal with accounting of the Council and manage financial affairs by communicating with the Dean of Students. The Secretary General of the College shall deal with incomings and outgoings.

Chapter 3 Council Assembly

Article 14 Council Assembly (hereinafter, "the Assembly") shall be the highest decision-making body of the Council and organized with the Board Members, the Assembly Members stipulated in the following article, and the Chairpersons of the Expert Committees stipulated in Article 29. However, rights to vote shall be given only to Assembly Members.

Article 15 Two Class Representatives elected from each class shall be Assembly Members.

2. The Assembly Member's term shall be six months. The first term shall be from April 1st to October 15th of the same year and the second term shall be from October 16th to March 31st of the following year.

Article 16 The Assembly Members shall not receive any criticism from outsiders for speeches, debates, and decisions they had while in the Assembly.

Article 17 The leaders and managers of clubs may attend the Assembly if necessary. However, they shall only have a say, and not voting power.

Article 18 The Assembly Chairperson shall call a Regular Assembly in May and November every year.

Article 19 An Extraordinary Assembly shall be held in the following cases.

(1) When the Executive Committee deems it necessary
(2) When there is a demand from a two-thirds majority of the total Assembly Members

2. An Extraordinary Assembly shall be called by the Assembly Chairperson.

Article 20 The Assembly shall be effective with the attendance of a two-thirds majority of the total Assembly Members.

2. When missing the Assembly, Assembly Members shall submit a power of attorney.

Article 21 Agendas shall be approved by a majority of the Members present, and the Assembly Chairperson shall make a final decision on a tie vote.

Article 22 The date, place, and agenda of the Assembly shall be announced three days before the Assembly. However, an Extraordinary Assembly shall not apply to this case.

Article 23 The Assembly Chairperson shall be chosen by the Assembly Members and shall appoint the Vice Chairperson.

Article 24 The terms of the Assembly Chairperson and Vice Chairperson shall be applied mutatis mutandis to Article 15, Paragraph 2.

Chapter 4 Executive Committee

Article 25 The supreme enforcement body of the Council shall be the Executive Committee.

Article 26 The Executive Committee Members shall consist of the Board Members stipulated in Article 4 (except the Audit Commissioners) and the Chairpersons of the Expert Committees stipulated in Article 29.

Article 27 The Executive Committee shall set an agenda for the Council and submit it to the Assembly.

Article 28 The Executive Committee shall enforce decisions of the Assembly.

Chapter 5 Expert Committee

Article 29 The following Expert Committees shall be established in the Council to support the Executive Committee's duties.

(1) Class Representative Committee
(2) Cultural Committee
(3) PE Committee
(4) Public Safety Committee
(5) Special Education Committee
(6) Club Activity Committee

Article 30 The Class Representative Committee shall consist of Class Representatives and shall support the administration of the Council.

Article 31 The Cultural Committee shall consist of Cultural Committee Members and shall support the management of cultural events.

Article 32 The PE Committee shall consist of PE Committee Members and shall support the management of sports events.

Article 33 The Public Safety Committee shall consist of Public Safety Committee Members and shall improve the College's disciplines and traditions by communicating with the Dean of Students.

Article 34 The Special Education Committee shall consist of Special Education Committee Members and shall support the management of school events.

Article 35 The Club Activity Committee shall consist of the club leaders and shall promote healthy activities in each club.

Article 36 Each Expert Committee shall have a Chairperson and a Vice Chairperson elected by the Expert Committee Members.

Article 37 Special Expert Committees may be established with the approval from the Assembly as necessary.

Chapter 6 Clubs

Article 38 The Council shall establish the clubs and associations listed in the appended table in order to cultivate healthy hobbies, extensive knowledge, and physical strength, and to develop manners of team play.

Article 39 Each club shall have a club leader and a manager.

Article 40 Regarding new establishment, merger, and dissolution of clubs, after discussion and vote in Club Activity Committee, the Council shall have a discussion in the Assembly and make a decision with the approval from the President.

Article 41 A new association, which consists of Members with similar tastes, shall be allowed by the President, Club Activity Committee's vote, and the Assembly's approval.

Chapter 7 Audit Committee

Article 42 The Audit Committee shall be the auditing body of the Council.

Article 43 The Audit Committee shall consist of three Audit Commissioners.

Chapter 8 Election Committee

Article 44 The Election Committee shall consist of elected Members (two Members from each class), and manage election for Board Members.

Article 45 The Election Committee shall have one Chairperson and one Vice Chairperson elected by the Committee Members.

Chapter 9 Accounting

Article 46 The fiscal year of the Council shall be from April 1st to March 31st of the following year.

Article 47 Membership dues, donations, and other capital shall be allocated to the expenses of the Council.

Article 48 The budget and settlement of the Council shall be approved by the Assembly.

Chapter 10 Authority of the President

Article 49 If the vote of the Council creates issues in school administration or student guidance or violates the President's legal liability, the President may refuse the Council's decision as the supreme adviser of the Council.

Chapter 11 Adviser

Article 50 The Council shall have Council Advisers (faculty members) appointed by the President.

Article 51 A club shall have Club Advisers (faculty members) appointed by the President.

Chapter 12 Revision

Article 52 These rules shall be revised with supporting votes from a two-thirds majority of the total Assembly Members and take effect with the approval from the President.

Supplementary Provisions

The matters regarding the operation of the Council shall be stipulated in the detailed rules.

1. These revised rules shall take effect on April 1, 1966.
2. These revised rules shall take effect on April 1, 1986.
3. These revised rules shall take effect on April 1, 1999.
4. These revised rules shall take effect on April 1, 2000.
5. These revised rules shall take effect on April 1, 2007.
6. These revised rules shall take effect on April 1, 2018.

Detailed Rules on Extracurricular Activities for International College of Technology, Kanazawa

Chapter 1 General Rules

Article 1 These detailed rules shall define necessary matters concerning the clubs and associations stipulated in the Rules on Student Council for International College of Technology, Kanazawa (hereinafter, "Student Council Rules").

Chapter 2 Club Activities

Article 2 Clubs shall consist of students with similar hobbies, skills, and purposes (hereinafter, "the members") in International College of Technology, Kanazawa (hereinafter, "the College"). The members shall be free to join or leave clubs.

Article 3 A club shall have the following members.

Club leader 1 person
Manager 1 person

Article 4 Club leaders shall supervise the club members and attend the Club Activity Committee.

Article 5 Managers shall assist and act on behalf of the club leader as well as manage administrative tasks, accounting, and the club house.

Article 6 To participate in or carry out the events described in the following items, clubs shall submit an application and obtain permission from the President. In addition, clubs shall submit a report within ten days after the relevant event ends.

(1) Participating in an event outside the campus.
(2) Having activities during a training camp or vacation (including non-school days and national holidays).
(3) Having practice games (including gatherings and meetings).
(4) Having other events inside and outside the campus.

Article 7 Clubs shall obtain an application for event participation issued from the ICT office and receive approval from the Club Adviser, the Student Council Adviser, the Dean of Students, and the President in this order.

2. The application for event participation shall be submitted with an activity report, event requirements, a plan, and a schedule.
3. The application for event participation shall be submitted with a bill one week before the relevant event.

Article 8 When putting printed material on walls both inside and outside the campus, clubs shall receive permission from the Student Council Adviser and use the specified paper and place.

Article 9 Clubs shall create a list of the members as of April 30th and October 31st using the specified form and shall submit one copy each to the Student Council President and the Student Council Adviser twice a year.

Article 10 When a club leader or manager changes, clubs shall inform the Student Council President and the Student Council Adviser each time accordingly.

Article 11 Clubs shall receive a club journal from the Student Council President at the beginning of the fiscal year, fill in the necessary items, and return it at the end of the fiscal year.

Article 12 As for the budget of a club, clubs shall create the event plan using the specified form and submit it to the Student Council

President during December.

2. The budget after the due date or budget in other forms shall not be accepted.
3. The club budget shall be used after passing through the Student Council Assembly.
4. The Student Council Accountant shall deal with all income and outcome.
5. The club income and outcome shall be filled in the specified bill and submitted to the ICT office after getting approved from the Club Adviser, Student Council Accountant, and the Dean of Students in this order.
6. To get approval of the bill in the preceding paragraph, the listing, plan, and schedule shall be attached.
7. Clubs shall not use money exceeding the budget. However, this shall not apply in cases when the Student Council Assembly approves.
8. If a club uses money exceeding the budget without approval from the Student Council Assembly, the manager shall take responsibility and pay the excess back through the Student Council President within the financial year.
9. Clubs shall create an account book, goods purchase ledger, and equipment ledger using the club journal to clarify the usage of the budget and respond to the audit.
10. The club budget shall not be used to purchase personal items.
11. The club budget shall not be used to purchase items unnecessary for club activities.
12. The club budget shall not be diverted for the cost required to promote friendship between the club members.
13. The club budget shall be used only for items applied in advance.
14. For a payment by rough estimate, a full statement that indicates the use of the budget shall be submitted to the Student Council Accountant with the receipts from hotels and others within 10 days after the relevant event, such as an expedition. In addition, the remaining amount shall be returned through the Student Council Accountant.
15. The raising cost shall be allocated for the financial support to establish a new association during the fiscal year.
16. The budget that remains due to demotion, suspension, or breakup of the club within the financial year shall be used as the raising cost.
17. The budget of a club or association that is merged during the fiscal year shall be the total of the budgets before the merger.

Article 13 The Club Activity Committee shall be established as a liaison committee between clubs. It shall consist of all club leaders.

Article 14 The Club Activity Committee shall have one Chairperson and one Vice Chairperson elected by the Committee Members, and the Chairperson shall be the presiding officer of the committee.

2. The Vice Chairperson shall be elected from among the students in grades lower than the Chairperson.

Article 15 The appointment and dismissal of the Club Activity Committee Chairperson shall be in accordance with Board Member rules found in the Student Council Rules.

Article 16 Acting on the principle that a club is organized based on the members' free will, collecting fees to join or leave a club shall be strictly prohibited.

Article 17 Collecting club dues shall be prohibited in principle. However, if club dues need to be collected for a special reason, the club shall receive the approval from the Club Adviser and Student Council Adviser and follow their instructions as well as clarify the use of the dues.

Chapter 3 Club House Management

Article 18 When a club house or equipment in the club house is required, the Student Council President shall request the Dean of Students for it.

Article 19 Club houses shall be used only for purposes related to club activities.

Article 20 The person who manages a club house shall be the Club Manager.

Article 21 Approval from the Student Council President and Adviser shall be required to change the equipment in a club house.

Article 22 If a club uses the club equipment for purposes other than the club activities and loses or damages it, the Student Council President may ask the club to pay for it.

Article 23 If the management of a club house is deemed to be inappropriate, the Student Council President or Adviser may prohibit the use of the club house.

Article 24 The Student Council President or Adviser may appoint a person in charge of inspecting the equipment, fixtures, and management conditions of club houses.

Article 25 The Student Council President or Adviser shall have the authority on any club house managements policies not described in the preceding articles.

Chapter 4 Financial Support for Expedition and Other Events

Article 26 Expedition shall mean participating in the official outside school events admitted by the President as a representative of the College.

Article 27 Federation membership fees and entry fees of tournaments shall be paid in full from the expenses of Student Council.

Article 28 The financial support for expedition shall be given only for transportation and accommodation expenses.

Article 29 The expedition expenses that will be supported shall be the bare minimum.

2. If there is support from others, the amount remained after the supported amount is deducted shall be covered by the Student Council.

Article 30 The financial support for expedition costs shall be calculated by the Student Council President and Adviser according to the application for event participation submitted to the ICT office and the provisions from Article 31 to Article 37.

Article 31 The financial support for transportation costs shall be calculated based on the criteria described in the following items.

(1) The cost and the distance between the College and the event location shall be the minimum.

(2) Student discounts or group discounts for transportation shall be used if available. In addition, the costs for expresses shall be supported only when the expedition location is other than Ishikawa, Fukui, and Toyama.

(3) Ships shall be used only when trains are not available.

(4) Buses shall be used only when trains are not available.

(5) Transportation costs within the venue shall not be supported.

Article 32 The financial support for transportation costs of sport clubs shall be calculated based on the provisions in the preceding article as well as the criteria described in the following items.

(1) The transportation costs shall be fully paid when the relevant club participates in tournaments organized by Federation of Colleges of Technology, National Sports Festival, or National Championship Tournament, as a district representative.

(2) Half of the transportation costs shall be paid when the relevant club participates in tournaments which are not included in the previous item.

(3) When the relevant club participates in official tournaments for a group or individual which are not included in the previous items, the financial support for the transportation costs shall be decided by the Student Council President and Adviser each time.

Article 33 The financial support for transportation costs of cultural clubs shall be calculated based on the provisions in Article 31 as well as the criteria described in the following items.

(1) The transportation costs shall be fully paid when the relevant club participates in presentations, workshops, or meetings organized or co-hosted by Federation of Colleges of Technology, as a district representative.

(2) Half of the transportation costs shall be paid when the relevant club participates in presentations and other events which are not included in the previous item.

(3) When the relevant club participates in official events for a group or individual which are not included in the previous items, the financial support for the transportation costs shall be decided by the Student Council President and Adviser each time.

Article 34 Accommodation costs shall be fully paid when the relevant club participates in the event that applies to Paragraph (1) of Article 32 or Paragraph (1) of the preceding article.

Article 35 As a general rule, a half of the accommodation cost per night shall be paid when the relevant club participates in the event which applies to Paragraph (2) of Article 32 or 33. However, this rule shall comply with the provisions described in Paragraph (3) of Article 32 and 33.

Article 36 For events in Ishikawa, only day trips shall be allowed.

2. When staying in another prefecture to participate in an event, the relevant club may stay at an accommodation from the day before the first day to the day before the final day of the event.

Article 37 The participants of the event for which the transportation and accommodation costs are fully paid shall be official entrants based on the event requirement and the manager. However, one person may be added only when the manager is also a player.

Chapter 5 Association

Article 38 A new association can be organized by ten or more members and have a Representative and an Association Adviser (faculty).

Article 39 An application for a new association establishment shall be submitted to each the Student Council President and the Adviser.

Article 40 The Club Activity Committee shall examine the contents of an application for a new association establishment and submit the application to the Student Council Assembly together with their written opinion. Then, the approval or disapproval of the new establishment shall be resolved by the Student Council Assembly.

Article 41 An establishment of new association shall be allowed with supporting votes from a two-thirds majority of the total attending Assembly Members.

Article 42 Approval from the Student Council Adviser, the Dean of Students, and the President shall be required to establish a new association if the Student Council Assembly has passed the establishment.

Article 43 A new association that has received all approvals may start its activities on the day the association receives the association activity permission issued under the joint signatures of the Student Council President and Adviser.

Article 44 Associations may participate in outside school events by submitting an application for event participation.

Article 45 The expenses of associations shall be paid on their own. However, when they participate in Student Council activities or school events, they may receive the financial aid for the expenses within the amount the Student Council President approves.

Article 46 The Representative shall be in charge of the financial affairs of the association. However, if a dedicated manager is selected from the members, this does not apply.

Article 47 Associations shall create an accountant book and clarify the usage of money for the members, Association Adviser, and Executive Committee.

Article 48 When the Executive Committee asks associations to report their finance, activity status, the number of members, and others, they shall submit the report immediately.

Article 49 Club houses shall not be allocated to associations. In addition, clubs shall have priority on activity locations.

Article 50 Associations shall be promoted to clubs only when they satisfy all of the following conditions.

(1) Investigation by the Executive Committee confirms that the number of association members has increased six months after the establishment, that the activities are often, and that the contents of their activities are appropriate.

(2) The association has supporting votes from a two-thirds majority of the attending members in the Club Activity Committee.

(3) The association has supporting votes from a two-thirds majority of the attending members in the Student Council Assembly.

(4) The Student Council Adviser approves.

Article 51 The timing for associations to be promoted shall be at the end of the academic year.

Chapter 6 Activity Suspension and Dissolution of Clubs or Associations

Article 52 If clubs or associations satisfy any of the following items, clubs might be demoted to associations or associations might be dismissed based on the investigation by the Executive Committee with supporting votes from a half of the Club Activity Committee and a half of the attending members in the Student Council Assembly.

(1) The number of members has been greatly decreasing.

(2) Activities have not been conducted often or the contents of their activities are not appropriate.

(3) The activity status and reports are not clear.

Article 53 The Student Council President or the President may order a club or association to suspend their activities or dismiss the club or association that performs any of the following.

(1) A member has failed in the duty as a student of the College.

(2) A member has greatly harmed the College's reputation.

Supplementary Provisions

1. These rules shall take effect on April 1, 1969.
2. These revised rules shall take effect on April 1, 1986.
3. These revised rules shall take effect on April 1, 1990.
4. These revised rules shall take effect on April 1, 1991.
5. These revised rules shall take effect on April 1, 1999.
6. These revised rules shall take effect on April 1, 2007.
7. These revised rules shall take effect on April 1, 2018.

Rules for Students of International College of Technology, Kanazawa

Chapter 1 General Rules

Article 1 These rules shall define necessary matters for students to be aware based on the Regulations of International College of Technology, Kanazawa.

Chapter 2 Language and Attitude

Article 2 Students shall cultivate morality, refine intelligence, act with common sense, and strive to be qualified engineers.

Article 3 Students shall act with grace and pride as students of International College of Technology, Kanazawa (hereinafter, "the College").

Article 4 Students shall respect faculty, staff members, and senior students as well as being polite, friendly, and respect each other among students.

Article 5 Students shall use proper language and always behave modestly, being aware that language and attitude express themselves.

Chapter 3 Dress and Belongings

Article 6 Students shall wear clean, simple, and tidy clothes with grace as students of the College.

Article 7 When wearing clothes not prescribed, students shall submit "Isonegai" (application for irregular clothes) and obtain permission from the President.

Article 8 Students shall always carry the student ID.

Chapter 4 Various Applications

Article 9 When taking absence, missing classes, or being late, students shall submit the relevant application.

Article 10 To participate in sports games against other teams, cultural events, and others, students shall obtain permission from the relevant Adviser and the President.

Article 11 When travelling or having a part-time job, students shall obtain permission from the Class Adviser and the President.

Article 12 When changing family name, first name, and others recorded in the family register, students shall inform the ICT office accordingly by submitting the certificate of entry in the resident card.

Article 13 When a student's address is changed, the student shall immediately inform the ICT office accordingly.

Article 14 When changing a student's guardian, the new guardian shall immediately inform the ICT office accordingly.

Chapter 5 Lifestyle

Article 15 As for daily life, students shall observe the Rules on School Life in International College of Technology, Kanazawa stipulated separately.

Article 16 Students shall keep their dignity outside the campus as students of the College.

Article 17 Students shall make the school environment lively by positively cleaning the school sites, buildings, classrooms, and laboratories.

Article 18 Students shall carefully handle and organize the school facilities and equipment. If they find any problem, they shall immediately inform a faculty or staff member accordingly.

Article 19 If a disaster occurs, students shall stay calm without panicking and judge appropriately to keep the damage minimum.

Supplementary Provisions

1. These rules shall take effect on April 1, 1962.
2. These rules shall take effect on April 1, 1990.
3. These rules shall take effect on April 1, 1991.
4. These rules shall take effect on April 1, 1992.
5. These rules shall take effect on April 1, 2004.
6. These revised rules shall take effect on April 1, 2007.
7. These revised rules shall take effect on April 1, 2018.

Department of Science and Technology Curriculum 1st, 2nd and 3rd Years

The courses in red are for international students and Japanese returnees whose English is stronger than their Japanese. For such students, language arts and humanities course are offered in English, and Japanese as a foreign language is offered in place of English language courses.

	Minimum Credit Requirement: 38 credits		Minimum Credit Requirement: 38 credits		Minimum Credit Requirement: 32 credits	
	1st Year		2nd Year		Study in New Zealand	3rd Year
	1st Semester	2nd Semester	1st Semester	2nd Semester		Course Name
Special Activities	Special Activities ESD I (Education for Sustainable Development)		Special Activities ESD II (Education for Sustainable Development)		Internship at Company / Project with Company	
General Education Courses – Humanities	Japanese Language Expression IA (1) English Expression IA (1) Japanese Literature I (1) World Literature I (1)	Japanese Language Expression IB (1) English Expression IB (1)	Japanese Language Expression IIA (1) English Expression IIA (1)	Japanese Language Expression IIB (1) English Expression IIB (1) Japanese Literature II (1) World Literature II (1)	Humanities	Intensive course before studying abroad Global Studies (2)
	History and Culture IA (1) History and Culture (English) IA (1)	History and Culture IB (1) History and Culture (English) IB (1)	History and Culture IIA (1) History and Culture (English) IIA (1)	History and Culture IIB (1) History and Culture (English) IIB (1)		
Health and Physical Education	Health and Physical Education IA (1)	Health and Physical Education IB (1) Visual Arts I (1) Performing Arts I (1)	Health and Physical Education IIA (1) Visual Arts II (1) Performing Arts II (1)	Health and Physical Education IIB (1)		
Second Language	English Reading and Writing IA (1) Japanese IA (5) English Listening and Speaking IA (2) Bridge English (2)	English Reading and Writing IB (1) Japanese IB (2) English Listening and Speaking IB (1)	English Reading and Writing IIA (1) Japanese II (2) English Listening and Speaking IIA (1) Overseas English Program (4)	English Reading and Writing IIB (1) Japanese Communication (3) English Listening and Speaking IIB (2)	Second Language	Functional English (3) Technical English (4)
Natural Science	PreCalculus A (2) Fundamental Mathematics A (2)	PreCalculus B (2) Fundamental Mathematics B (2)	Calculus A (2) Algebra and Geometry A (2)	Calculus B (2) Algebra and Geometry B (2)		
	Physics IA (1) Chemistry IA (1) Biology IA (1)	Physics IB (2) Chemistry IB (2) Biology IB (1)	Physics IIA (2) Chemistry IIA (2) Biology IIA (1)	Physics IIB (2) Chemistry IIB (2) Biology IIB (1)		
Co-creation	Engineering Design IA (2) Engineering Context IA (1)	Engineering Design IB (2) Engineering Context IB (1)	Engineering Design IIA (2) Engineering Context IIA (1)	Engineering Design IIB (2) Engineering Context IIB (1)	Co-creation	Engineering Design III (8) Basic Engineering Skills (3)
IT Literacy	Computer Skills IA (1)	Computer Skills IB (1)	Computer Skills IIA (1)	Computer Skills IIB (1)		
English STEM Education Courses						
Specialized Courses – Specialized Field						Electric Circuits I (4) Electronic Engineering (4) Electrical Power Engineering (4) Mathematical Engineering (4) Sequence Control Engineering (4) Introduction to Networks (4) Engineering Mechanics (4) Mechanical Design (4) Heat Transfer Engineering (4) Fluid Engineering (4) Materials Science (4) Basic Electrical Engineering (4) Basic Programming (4) Programming (4) Web Design (4) Business Computing (4) Basic System Analysis (4) Basic Marketing (4) Management (4) Sustainable Business Practices (4) Basic Computer Engineering (4)

【English STEM Education Courses】

STEM stands for science, technology, engineering, and mathematics. It is a new curriculum based on the idea of interdisciplinary education in science and technology to teach students scientific thinking. The STEM education at International College of Technology is conducted in English. Students use English engineering terms and study science, math, physics, and chemistry in English. They accumulate knowledge from natural science courses and utilize it in co-creation courses, such as Engineering Design to realize their ideas and create new value.

【Engineering Design I, II】

Based on design thinking, we form teams and take on project-based activities aiming to create new value for a sustainable society. Teams examine the task, listen to feedback, and implement their ideas.

【Engineering Context I, II】

In this course, students learn principles of creating things and experiences, the ability to fully utilize IT and big data, and ethical issues concerning technology in society and environment.

【Visual Arts I, II】

Students become insightful members of global society by studying art and culture to gain a wide perspective, sensitivity, rich creativity, and the ability to express themselves. By interacting with people of various cultural backgrounds and technological fields, students will expand their skills in communication and cooperation.

【Performing Arts I, II】

Students develop good expression skills through practicing pronunciation, breathing techniques, speaking techniques, making speeches, acting, dancing, and becoming familiar with the world of music, drama, and dance. We also cover art, craft, and design, to increase students' sensitivity, deepen their knowledge in art, and cultivate their inspiration and expression.

Otago Polytechnic in New Zealand

Classroom in New Zealand

【Global Studies】

In order to students to fully benefit from their academic year in New Zealand, we provide preparatory training in advance. This includes gaining a sufficient level of English for a smooth homestay experience and learning to respect and be compassionate to others. Students individually study the local geography, culture, and activities of their future campus area. This information is valuable for living a comfortable life there. They also prepare for the courses they will take.

【Functional English】

Students will learn the necessary skills to live a smooth life in New Zealand. They will learn the characteristics of English speakers and how to effectively communicate in their everyday life. The ability to adapt to a foreign environment and communicate their thoughts and feelings in familiar/unfamiliar circumstances will improve their skills in teamwork, communication, negotiation, cognitive thinking, and cooperating in a multi-cultural team project.

【Engineering Design III】

Students will gain an integrated knowledge of technology and engineering. Through repeated discussions with instructors and team members they choose and define a project area and prepare a design. This is followed by the production process and system creation. Students prepare reports on the purpose and manufacturing process of the project, while building actual prototypes, computer models, and/or computer systems. The outcomes of these projects are presented to other students, teachers, and corporations in various formats using English.

【Training in Basic Engineering】

Students learn to apply their knowledge in mathematics and physics through practice with CAD and 3D modeling.

【Specialized Field】

Students choose three courses which match the goals they set.

Required Courses (credit)
Elective Courses (credit)
English STEM Education Courses
Otago Polytechnic Courses (credit)

Department of Science and Technology Curriculum 4th and 5th Years

		Minimum Credit Requirement: 32 credits		Minimum Credit Requirement: 27 credits	
		4th Year		5th Year	
		1st Semester	2nd Semester	1st Semester	2nd Semester
Special Activities		Special Activities Humanity and Nature I		Special Activities Humanity and Nature II	
Internship		Internship I (1)		Internship II (1)	Entrepreneurship (1)
General Education Courses	Humanities	Academic Writing (1)			
		Social Science (2)	Humanities (2)	Psychology (2)	
	Health and Physical Education	Health and Physical Education IIIA (1)	Health and Physical Education IIIB (1)		
	Second Language	Comprehensive English IA (1)	Comprehensive English IB (1)	Comprehensive English IIA (1)	Comprehensive English IIB (1)
		Technical Communication (2)			
	Natural Science	Mathematical Statistics (2)			
	Co-creation	Engineering Design IV A (2)	Engineering Design IV B (2)	Engineering Design V A (2)	Engineering Design V B (2)
	Basic Engineering	Applied Mathematics IA (2)	Applied Mathematics IB (2)	Applied Mathematics IIA (2)	Applied Mathematics IIB (2)
				Engineering Mathematics (2)	
		Applied Physics IA (2)	Applied Physics IB (2)	Applied Physics IIA (2)	Applied Physics IIB (2)
		Applied Chemistry IA (2)	Applied Chemistry IB (2)	Applied Chemistry IIA (2)	Applied Chemistry IIB (2)
		Applied Biology I (2)			Applied Biology II (2)
Specialized Courses	Specialized Field	Electric Circuits IIA (2)	Electric Circuits IIB (2)	Electronic Circuits (2)	Electrical Machinery and Electronic Applications (2)
		Electromagnetics A (2)	Basic Electronic Circuits (2)	Electric and Electronic Materials Engineering (2)	Electrical and Electronic Instrumentation Engineering (2)
		Technical Drawing (2)	Electromagnetics B (2)	Mechanics of Materials II (2)	Control Engineering (2)
		Machining (2)	Mechanics of Materials I (2)	Measurement Engineering (2)	Information Mathematics IIB (2)
		Information Mathematics I (2)	Computer System B (2)	Information Mathematics IIA (2)	Database (2)
		Computer System A (2)	Software Engineering (2)	Software Engineering Lab (2)	Business Accounting (2)
		Fundamental of Laboratory Safety (2)	Data Structures and Algorithms (2)	Introduction to Management (2)	Applied Experiment and Practice in Chemistry B (3)
		Chemistry of Phase and Reaction (2)	Chemical Engineering (2)	Applied Experiment and Practice in Chemistry A (3)	Polymer Chemistry (2)
			Analytical Chemistry (2)	Programming A (2)	
			Computer Architecture (2)		
		Programming Lab A (2)	Design of Machine Element (2)	Transient Phenomena (2)	Materials Engineering (2)
			Thermodynamics (2)	Drawing Skills in Electrical Engineering (1)	Physical Electronics (2)
			Fluid Mechanics (2)	Thermal Engineering (2)	Network Systems Lab (2)
			Programming Lab B (2)	Operating System (2)	Media Informatics (2)
			Electrochemistry for Energy Conversion and Storage (2)	Environmental Chemistry (2)	Advanced Topics in Business (2)
					Programming B (2)

English STEM Education Courses

【Engineering Design IV】

Students deepen their understanding of the local society and economy while cooperating with other engineers from other fields and utilizing their basic technological experience and skill to develop a proposed solution for a societal need on a broader scale. This activity teaches the ability to understand the true nature of a problem, analyze how to solve the problem, creatively plan, and communicate efficiently.

【Engineering Design V】

Students independently find real-life problems in society and learn the problem-solving process firsthand by taking on the mission of planning, researching, analyzing, experimenting, evaluating, and presenting. The results are introduced in the form of a product and a written report. Students have the opportunity to display their knowledge and/or skill in this activity and learn to challenge themselves as global innovators to realize the value they conceived.

Required Courses (credit) / Elective Courses (credit) | English STEM Education Courses | Compulsory Elective Courses (credit)

7. Course Overview

(Department of Science and Technology)

Course		Course Name	Course Overview	Remarks
General Education Courses	Humanities	Japanese Language Expression IA	This course improves basic Japanese language skills (listening, speaking, reading, writing, and communicating) and enhances thinking skills so that students can broaden and deepen their ideas, and then refine their Japanese language skills to realize the ideal way to express themselves. With the goal of effectively conveying thoughts according to audience, situations, and purposes, while strengthening the basis of language skills such as vocabulary and rhetoric, students will build their attitude to proactively express themselves by participating in practical activities including the study of how to take notes and how to give a speech.	
		Japanese Language Expression IB	This course improves basic Japanese language skills (listening, speaking, reading, writing, and communicating) and enhances thinking skills so that students can broaden and deepen their ideas, and then refine their Japanese language skills to realize the ideal way to express themselves. Students will gather and organize accurate information from books, magazines, and the internet to acquire the abilities of analysis and judgement. In addition, students will write essays in order to acquire a skill to write logical sentences including facts and supporting arguments while being conscious of a structure that is easy for readers to understand.	
		Japanese Language Expression IIA	This course will build students' attitude to perform intellectual activities while interacting with others. This can be achieved by deepening awareness of human activities, way of thinking and creation, and by enhancing the skills to think and express. Students will read novels, criticisms, essays, etc. about complex, diversified human beings, nature, and society, find a problem by studying them analytically and critically, and then gather and organize necessary information to write reports and essays. Furthermore, students will research the essence of the problem while practically learning various form of discussions such as brainstorming and debating, and acquire the ability to solve it.	
		Japanese Language Expression IIB	This course will build students' attitude to perform intellectual activities while interacting with others. This can be achieved by deepening awareness of human activities, way of thinking and creation, and by enhancing the skills to think and express. First, students will link fragmentary matters to create a whole story. Second, students will aim to understand the characteristics of familiar media and use them consciously. Third, while proactively going out in a local community and cultivating exchanges with people living there, students will acquire expressiveness and understanding useful for social life and build an attitude to enrich social life.	
		English Expression IA	Students will learn English grammar in order to write advanced English sentences. Students will learn necessary English grammar for communication in writing not for knowledge or an exam. Students will be able to write effective English sentences by learning usages such as nouns, pronouns, verbs, adjectives, adverbs, prepositions, conjunctions, subjects, intransitive verbs, transitive verbs, word orders, phrases, clauses, abuses of English, mood, voice and so on. With writing theses in English in the future in mind, students will obtain communication skills to describe their ideas logically in correct English.	For international students and Japanese returnees in place of Japanese Language Expression IA.
		English Expression IB	Students will learn punctuation in order to write English sentences which are beautiful and easy to read in addition to English grammar they learn in English expression IA. Students will learn grammar in order to write advanced English sentences. Students will learn necessary English grammar for communication in writing not for knowledge or an exam. Students will be able to write effective English sentences by learning usages such as nouns, pronouns, verbs, adjectives, adverbs, prepositions, conjunctions, subjects, intransitive verbs, transitive verbs, word orders, phrases, clauses, abuses of English, mood, voice and so on. With writing theses in English in the future in mind, students will obtain communication skills to describe their ideas logically in correct English.	For international students and Japanese returnees in place of Japanese Language Expression IB.

Course		Course Name	Course Overview	Remarks
General Education Courses	Humanities	English Expression IIA	In this course, students will learn different forms of essays such as descriptive essays, persuasive essays, and comparative essays, and also learn the key points for writing appropriate essays by themselves. In addition, students will acquire the skills to plan, configure, write, and rewrite essays. Students will evaluate the good points and the improvement points for their writing by discussion between faculty members and students or between students.	For international students and Japanese returnees Japanese Language Expression IIA.
		English Expression IIB	In this course, students will learn different forms of essays such as opinion and critical essays, as well as producing essays to standards that will be required of them while studying abroad in New Zealand. In addition, students will acquire the skills to plan, structure, write, and rewrite essays. Students' learning will be assessed through the essays they write.	For international students and Japanese returnees in place of Japanese Language Expression IIB.
		Japanese Literature I	Through reading and comprehending various, rich Japanese literary works, this course will cultivate rich sensitivity to accurately receive "sensation" evoked from the works. Students will proactively think and analyze authors' base of thinking that is a source of "sensation" included in those works, and give a concrete shape to their imagination using various expression forms such as dissertation, essays, presentation, and creation inspired by the "sensation" of the work. For text analyzation, various educational areas will be used to acquire multilateral perspective.	
		Japanese Literature II	Through reading and comprehending various, rich Japanese literary works, this course will cultivate rich sensitivity to accurately receive "sensation" evoked from the works. Students will proactively think and analyze authors' base of thinking that is a source of "sensation" included in those works, and give a concrete shape to their imagination using various expression forms such as dissertation, essays, presentation, and creation inspired by the "sensation" of the work. For text analyzation, various educational areas will be used to acquire multilateral perspective.	
		World Literature I	In this course, students will read one of Shakespeare's most well know plays, Romeo and Juliet, in English. Students will study Shakespeare's observations of the human condition and his writing skills. Students will be able to discuss the characters and the historical background and give their own opinions on the play. Through this discussion, students will also acquire skills to effectively convey their ideas to their classmates.	For international students and Japanese returnees in place of Japanese Literature I.
		World Literature II	In this course, students will read one of the most well-known Japanese essays "Pillow Book" by Sei Shonagon in English. Reading and discussing this essay will help students discover a better understanding of traditional Japanese culture, history, customs, people, and the author's perspectives on Japan during the Heian period. Through this better understanding of traditional Japan and comparing it with their own culture, customs, or perspectives, students will be able to understand other cultures and values, broaden their education, and have their own ideas.	For international students and Japanese returnees in place of Japanese Literature II.
		Academic Writing	This course will focus on cultivating the objective and logical thinking necessary for writing reports and papers. Students will accurately learn methods for asking questions, gathering materials, and configuring sentences. By selecting and editing expressions that effectively describe the concrete meaning of the subject they set, students will aim to logically develop and describe the content. Furthermore, this acquired objective and logical thinking will effectively be applied to presentation.	

Course		Course Name	Course Overview	Remarks
General Education Courses	Humanities	History and Culture IA	Through learning about the history and cultures of the world, we understand the diversity of the values that exist in society and the process of their conflict, while developing an interest in considering contemporary society from a historical perspective. In particular, this course will give an outline of how great men transformed the West and helped shape and transform modern European and Middle Eastern societies, consider what heroism was required in each era to deepen the process of the formation of society, and understand the various forms of politics that have appeared throughout history.	
		History and Culture IB	Through learning about the history and cultures of the world, we understand the diversity of the values that exist in society and the process of their conflict, while developing an interest in considering contemporary society from a historical perspective. This course focuses on the development of public awareness, starting with modern Europe and also including the emergence of the nation-state, the birth of the great powers, colonial rule, the end of imperialism and the two World Wars. By studying these topics, we will be able to objectively understand Japan's position in international society today.	
		History and Culture IIA	The local community is made up of many components. By closely studying the history, culture, faith, lifestyle habits, industry, topography, etc. of the local area, we will deepen our understanding of the local community and learn how to work together with our local community to improve the area for everyone. Additionally, with the theme of community as our learning method, students will acquire the skills to approach various societies and the issues that exist there, and understand how to solve social problems.	
		History and Culture IIB	Through learning about the activities and lives of Japanese predecessors, we will have opportunities to learn about Japanese history and culture, to understand the characteristics of those eras, and to think about how people lived. We will focus on people who achieved great success in the politics and culture of each era. Using the knowledge gained through these studies, students will reflect on themselves and aim to establish their own identity, to become someone respected by others, and be able to solve problems in the future.	
		History and Culture (English) IA	This course is a survey of world history and culture from the time of earliest evidence of human culture through 1500 CE. It introduces major trends and transformations in human social, cultural, technological, and political activities throughout the world. In seminar format, students will investigate, present, and discuss the wide variety of human experience and the broad changes in human society over the years covered.	For international students and Japanese returnees in place of History and Culture IA.
		History and Culture (English) IB	This course is a survey of world history and culture from the time of earliest evidence of human culture from 1500 CE to the present. It introduces major trends and transformations in human social, cultural, technological, and political activities throughout the world. In seminar format, students will investigate, present, and discuss the wide variety of human experience and the broad changes in human society over the years covered.	For international students and Japanese returnees in place of History and Culture IB.
		History and Culture (English) IIA	The local community is made up of many components. By closely studying the history, culture, faith, lifestyle habits, industry, topography, etc. of the local area, we will deepen our understanding of the local community and learn how to work together with our local community to improve the area for everyone. Additionally, with the theme of community as our learning method, students will acquire the skills to approach various societies and the issues that exist there, and understand how to solve social problems.	For international students and Japanese returnees in place of History and Culture IIA.

Course		Course Name	Course Overview	Remarks
General Education Courses	Humanities	History and Culture (English) IIB	We will focus on the main political and cultural events of each era in Japanese history. Through understanding the characteristics of the times and how people lived, we will get opportunities to interact with and understand the cultures and values of different countries, which will help us to deepen our understanding of Japanese history and culture. We will think about appropriate ways of living for social leaders who are active in the international community, and reflect on our own behavior and way of life.	For international students and Japanese returnees in place of History and Culture IIB.
		Global Studies	In this course, students will prepare documents necessary for studying in New Zealand in order to make full use of one year's study abroad (on-campus, off-campus). This course will focus on cultivating English language skills, cross-cultural understanding, and respect and compassion for others required for smooth homestay or dormitory life. Students will investigate the geographical and cultural aspects in the local area and activities on the campus, and then utilize the information to make their lives in the local area more comfortable and active. In addition, students will exchange opinions on ways to deal with mental problems such as culture shock, and be prepared for it. Students will also preview courses to take in New Zealand.	Omnibus, Intensive
		Social Science	Geopolitics is the study of international political behavior including conflictions between nations or regions through geographical variables from ancient times to the present. Through geopolitics, students will think about a human society and governance structure. In addition to learning the concepts of geopolitics, students will focus on the direction of modern society by overlooking the changes of the world through basic theories of geopolitics. Students will also have discussions with their classmates, cultivate a deep understanding of the world, grasp the issues of human society precisely, and acquire the habit of continuing to learn about society in future by themselves.	
		Humanities	There are diverse values in modern society, which may cause conflicts and explode into international problems. In many cases, however, there are mutual disrespects of myths or religions that ethnic groups have. Students will grasp the outline of the world's major religions and myths and compare them with those in Japan so that they understand the characteristics of Japan correctly. Through this study, students will deepen their understanding of different cultures, generate awareness as a Japanese person, and acquire a basic ability to contribute to society as an international person.	
		Psychology	Students will learn the outline of psychology, acquire the fundamental viewpoint to understand the functions of human mind and the skill to apply psychology. In addition to human information processing such as sensation, perception, memory, cognition, learning, and thought, students will learn the basics of feelings and the relationship between individuals and society. Students will also comprehensively learn the basics of psychological history and research methods such as the method to grasp "mind" in psychology and the method to conduct scientific researches.	
	Natural Science	PreCalculus A	This course focuses on learning the basic analytical field and the requirements for functional analysis, particularly being able to calculate numbers and formulas, and solve equations and inequalities. For quadratic functions, we aim to understand the properties and solve problems by drawing graphs. By acquiring these skills, we aim to build the foundation of scientific thinking and knowledge necessary for learning the contents of differentiation, integration, science and engineering.	

Course		Course Name	Course Overview	Remarks
General Education Courses	Natural Science	PreCalculus B	This course focuses on learning the basic analytical field and the requirements for functional analysis, particularly calculating polynomial division, fractional expression, and imaginary numbers, using polynomial remainder theorem and factor theorem, understanding the properties and calculation rules of exponential function and logarithmic function and using them to draw graphs. By acquiring these skills, we aim to build the foundation of scientific thinking and knowledge necessary for learning the contents of differentiation, integration, science and engineering.	
		Calculus A	This course focuses on learning the advanced analytical field and the requirements for detailed functional analysis. In particular, this course emphasizes the understanding of the characteristics of radian system and trigonometric functions, and graphs drawing for them. Students will aim to calculate differential functions including entire functions, trigonometric functions, exponential functions, and logarithmic functions. Students will also learn functions and limitations. By acquiring the knowledge and skills mentioned above, students will be able to link these topics with science and engineering and further build their foundation of scientific thinking and knowledge necessary for learning the contents of constructive mathematics.	
		Calculus B	This course focuses on learning the advanced analytical field and the requirements for detailed functional analysis. In particular, this course emphasizes calculus calculations of entire functions, trigonometric functions, exponential functions, and logarithmic functions, as well as calculations of local maximum/local minimum, maximum/minimum, graph drawing, dimension, and volume of solid revolution. By acquiring the knowledge and skills mentioned above, students will be able to link these topics with science and engineering and further build their foundation of scientific thinking and knowledge necessary for learning the contents of constructive mathematics.	
		Fundamental Mathematics A	In this course, students will mainly learn fundamental non-analytical fields and the contents required to understand spatial structures and figures. Students will aim to understand the set notation and its nature, the nature of figure, and the relationship between figures and equations. Students will also learn number of cases and probability, and aim to be able to calculate them. By acquiring the knowledge and skills mentioned above, students will aim to build the foundation of scientific thinking and knowledge that are necessary for learning algebra, geometry, science, and engineering.	
		Fundamental Mathematics B	In this course, students will mainly learn fundamental non-analytical fields and the contents required to understand spatial structures and figures. Specifically, students will learn the nature of trigonometric ratio and the various usage of trigonometric ratio such as sine formula and cosine formula, and aim to be able to calculate them. Furthermore, students will aim to understand the characteristics of the radian system and trigonometric functions, to be able to draw graphs of trigonometric functions, and to solve problems by using the additive theorem. By acquiring the knowledge and skills mentioned above, students will build the foundation of scientific thinking and knowledge required to learn algebra, geometry, science, and engineering.	
		Algebra and Geometry A	This course focuses on learning advanced non-analytical systems and detailed content related to space structure and figures. Specifically, students will learn how to understand and calculate the properties of a matrix, and to obtain the solution of simultaneous equations using inverse matrix and apply it to figures using linear transformation.	

Course		Course Name	Course Overview	Remarks
General Education Courses	Natural Science	Algebra and Geometry B	This course focuses on the basic analytical field. Students will acquire knowledge relating to space structure and figures, specifically understanding the nature of a sequence and finding its general term, understanding a matrix and applying it to a figure using linear transformation, understanding the properties of quadratic curves and their equations, and being able to show them in diagrams using polar coordinates/parameters.	
		Mathematical Statistics	Contingency in nature is mathematically expressed using probability. Data obtained from observations and experiments are first interpreted and processed using the concept of probability to perform estimation and verification for practical use. In this course, students will acquire statistical knowledge, concepts and skills necessary for dealing with phenomena that are influenced by contingency in the science and engineering fields. Through this learning, students will cultivate a skill to statistically analyze and process various data in nature, society, and industry, and to utilize it actively in the science and engineering fields.	
		Physics IA	Physics cultivates the ability to systematically and logically consider phenomena that are important to learning natural science and engineering, and provides a basic view and idea for clarifying scientific phenomena. In addition, collaborating with others through experiments improves our communication skills, and devising equipment and experiment procedures enables us to gain new knowledge technology. In this course, students will be able to deepen their knowledge about force and movement in order to learn the dynamics that underlies all the physics. Students will also learn the basic of mathematical processing.	
		Physics IB	Physics cultivates the ability to systematically and logically consider phenomena that are important to learning natural science and engineering, and provides a basic view and idea for clarifying scientific phenomena. In this course, students will be able to further develop the forces and motions learned in Physics IA and understand the laws that link forces and motions through reasonable thoughts and experiments. In addition, students can understand complicated motions with the concept of mechanical energy. By understanding the above matters, students can connect the laws with phenomena such as heat and electricity as well.	
		Physics IIA	Learning physics cultivates the ability to systematically and logically consider phenomena that are important to learning natural science and engineering through lectures and experiments, and provides a basic view and idea for clarifying scientific phenomena. In this course, supported by the energy topics covered in Physics I, students can understand the results of various experiments about the phenomena of heat, gas, wave motion, sound, and light by using the model based on dynamics learned in the first year.	
		Physics IIB	Learning physics cultivates the ability to systematically and logically consider phenomena that are important to learning natural science and engineering through lectures and experiments, and provides a basic view and idea for clarifying scientific phenomena. This course focuses on energy, and students can understand phenomena of electricity and magnetism through various experiments by using the model based on dynamics learned in the first year. Students will also learn nuclear physics and atomic energy.	
		Chemistry IA	Learning Chemistry is essential for students of science and technology. This is because Chemistry overlaps with all of the other sciences, chemical methods are used in research by biologists, physicists, environmental scientists and engineers. In this course, students will learn about materials and energy from both the macro and micro viewpoints. By acquiring scientific thinking relating to nature and industry, we can better understand what is happening in the real world.	

Course		Course Name	Course Overview	Remarks
General Education Courses	Natural Science	Chemistry IB	Learning Chemistry is essential for students of science and technology. This is because Chemistry overlaps with all of the other sciences, chemical methods are used in research by biologists, physicists, environmental scientists and engineers. In this course, students will develop their understanding of materials and energy from the micro viewpoint, understand the atomic structure as a unit constituting a substance, and understand the mechanism of chemical bonding and interaction. It will be possible to understand the characteristics of compounds present in various societies.	
		Chemistry IIA	Learning Chemistry is essential for students of science and technology because Chemistry overlaps with all of the other sciences. In this course, students will study moles as a method of quantifying substances, then they will be able to explain the quantitative relationships in various types of chemical reactions and understand the process of creating reactants. Students will also be able to explain the state of matter, solution theory, and chemical reaction theory by using the theory of motion of the particles making up the substance.	
		Chemistry IIB	Learning Chemistry is essential for students of science and technology because Chemistry overlaps with all of the other sciences. In this course, students will learn more about classifying types of chemical reactions and will learn about the application of neutralization reactions related to acids, bases, salts, oxidation reduction and electrochemistry. Additionally, we will learn about the physical and chemical properties of organic compounds which make up the majority of compounds such as materials, foods and chemicals. Learning these things helps to create new chemical substances.	
		Biology IA	Biology scientifically clarifies organisms and life phenomena, and is the basis of bioengineering. By learning its relationship with everyday life and society, students will understand the power of nature in Hakusan, and have opportunities to use it. In this course, students will aim to understand the following through experiments and observations: the functions of the cell, which is the basic unit of an organism, and the basics of various phenomena that maintain biological activities, as well as reproduction, genes and protein synthesis which are related to the continuity of life.	
		Biology IB	Biology scientifically clarifies organisms and life phenomena, and is the basis of bioengineering. By learning its relationship with everyday life and society, students will understand the power of nature in Hakusan, and have opportunities to use it. In this course, students will aim to understand the following through experiments and observations: the functions of the cell, which is the basic unit of an organism, and the basics of various phenomena that maintain biological activities, as well as reproduction, genes and protein synthesis which are related to the continuity of life.	
		Biology IIA	Biology scientifically clarifies organisms and life phenomena, and is the basis of bioengineering. By learning its relationship with everyday life and society, students will understand the power of nature in Hakusan, and have opportunities to use it. In this course, students will learn about digestion and absorption as functions to live, the circulatory system including blood vessels, blood and the heart, the respiratory system as well as others to understand body systems of various animals including human beings. This course will also introduce diseases of the visceral system known as modern diseases such as hypertension.	
		Biology IIB	Biology scientifically clarifies organisms and life phenomena, and is the basis of bioengineering. By learning its relationship with everyday life and society, students will understand the power of nature in Hakusan, and have opportunities to use it. In this course, students will learn about microorganisms and viruses, fungi, plants, invertebrates, chordates, and the system of classification of organisms known as taxonomy in order to understand human beings as but one of the species in our surrounding world. In addition, this course will deal with the biological environment in Hakusan so that students will be able to find issues in Hakusan, such as use of biological resources and how coexistence is possible with other groups of organisms.	

Course		Course Name	Course Overview	Remarks
General Education Courses	Second Language	English Reading and Writing IA	The goal of this class is to help students understand STEM classes taught in English, as well as to improve their general reading and writing skills. In the reading class, after getting used to sentence structure, students start to read a passage from the length of one paragraph and increase the length of a passage. Students will be able to guess the content of a passage from a title and/or an illustration, and acquire skimming and scanning skills needed to identify the main idea and specific details from a passage. In the writing class, students will be able to write a summary of what they learned in a reading or STEM class at the sentence level. Also they will acquire the elements of English grammar which are needed to understand the passage.	
		English Reading and Writing IB	The goal of this class is to help students understand STEM classes taught in English, as well as to improve their general reading and writing skills. In the reading class, students will practice to increase their skimming and scanning skills. In the writing class, students will be able to write a summary of what they learned in a reading or STEM class at the 100 words in a paragraph. They will acquire the elements of English grammar and vocabulary, which are needed to understand the passage. Also they will learn to recognize their own role and actively contribute the class through pair or group work.	
		English Reading and Writing IIA	This course will aim to not only improve overall reading and writing skills, but also help students' understanding of mathematics and science courses taught in English. For reading, students will deepen their understanding of various ways of thinking using critical reading in order to not only understand contents but also to understand various cultures and values. For writing, students will be able to express the matters learned in reading, mathematics, and science courses, using 100 to 150 characters. In addition, students will learn grammar and words required to understand passages. In particular, this course will focus on word origin.	
		English Reading and Writing IIB	This course will aim to not only improve overall reading and writing skills, but also help students' understanding of mathematics and science courses taught in English. For reading, while developing critical reading for understanding various cultures and values, students will be able to have their own opinions from a wide perspective. For writing, students will be able to express the matters learned in reading, mathematics, and science courses, using 150 to 200 characters. For words, students will continue to not only focus on word origin, but also the difference in word meaning between one used in mathematics and science and one used in general.	
		English Listening and Speaking IA	Students will develop the oral communication abilities needed to learn effectively in their Math and Science classes taught in English, as well as to be able to function socially in an English speaking environment. Upon completion of this class, students will be able to talk about things they like or dislike, their hobbies and to describe people, things, events and places using a variety of study skills/techniques such as note taking, research, asking questions in class. Also students will improve their understanding of topics and vocabulary used in their classes.	
		English Listening and Speaking IB	Students will develop the oral communication abilities needed to learn effectively in their Math and Science classes taught in English, as well as to be able to function socially in an English speaking environment. Students will be able to discuss issues, express opinions, give and ask for advice, report past and present events, predict future events, and respond to prompts. Also students will improve their understanding of topics and vocabulary used in their classes.	
		English Listening and Speaking IIA	Students will develop the oral communication abilities needed to learn effectively in their Math and Science classes taught in English, as well as to be able to function socially in an English speaking environment. Students will be able to use techniques such as skimming and scanning, complete a variety of group and individual tasks, make appropriate small talk, talk persuasively, negotiate effectively, and give informed feedback.	

Course		Course Name	Course Overview	Remarks
General Education Courses	Second Language	English Listening and Speaking IIB	Students will develop the oral communication abilities needed to learn effectively in their Math and Science classes taught in English, as well as to be able to function socially in an English speaking environment. Students will be able to prepare and make a survey, gather data via survey, analyze the data in order to make an effective presentation based on the data. Also they will be able to write a resume and understand what makes a good and bad interview.	
		Bridge English	This course emphasizes the fundamental English language to support all the science courses conducted in English in the 1st and 2nd year. The main purpose of it is for students to succeed in the content courses as they learn how to address the challenges such as scientific terminologies, special expressions, or difficult concepts. In addition to the language support, students will be able to improve their learning motivation to develop their background knowledge and to acquire Academic English skills.	
		Japanese IA	Considering the student's current proficiency level in Japanese, this course aims to satisfy her linguistic needs in her everyday life and to improve her fluency in Japanese communication. In classes, the student will learn frequently-used daily expressions/idioms and kanji, review basic grammar, and engage in reading and writing. In addition, through several visits to local points of interest and hands-on activities, she will learn about Japanese culture and society as well as her own country and other countries, so that she can deepen her understanding of global diversity.	For international students and Japanese returnees in place of English Reading and Writing IA, English Listening and Speaking IA, and Bridge English.
		Japanese IB	In this course, the student will review the grammar rules and word usage that she has incorrectly acquired, and she will improve her four skills through the following activities with the instructor A: kanji study, speed reading training, and reading/discussion/writing work. She will also work with the instructor B using an intermediate level textbook to increase her vocabulary and knowledge in expressions and to use the polite expressions correctly. She will also engage in various activities so that she will be able to participate in conversations with native speakers, report about her experiences to SNS web sites, and obtain necessary information using internet.	For international students and Japanese returnees in place of English Reading and Writing IB and English Listening and Speaking IB.
		Japanese II	This course will aim to ask and understand questions about how things are, time, and features, to express their opinions about simple things, and to accomplish slightly complicated tasks while using expressions at the second half of the beginner level, such as passive expressions and potential forms. In addition to reading and writing Kanji used in the text book, students will understand the meaning and pronunciation of Kanji seen displayed on the campus and in daily life. Furthermore, students will continue to learn about the diversity of various cultures centering on Japan.	For international students and Japanese returnees in place of English Reading and Writing IIA and English Listening and Speaking IIA.
		Japanese Communication	This course will aim to read documents on Japanese culture and scientific technology written with vocabulary and structures at beginner to intermediate level, understand the contents and the logical structure, and explain them using simple Japanese or English. Through the study, students will learn expressions and structures at intermediate level. Furthermore, by using the sentence patterns and vocabulary they have already learned, students will tackle oral explanation and mini presentation in a standard style with speech templates, regarding the composition, structure, and work process of certain things. Students will also deepen their understanding of Japanese expressions frequently used in mathematics, science, and IT subjects.	For international students and Japanese returnees in place of English Reading and Writing IIB and English Listening and Speaking IIB.
		Comprehensive English IA	In this course, students will read texts on various topics. They will be able to understand not only the text itself but also how academic texts are organized. Through readings they will learn people's different values and write their own ideas on each topic in English. They will be able to make their writing coherent concerning their readers and reviewing the basics of English writing. They will be able to see things from different perspectives by exchanging opinions and evaluating their peers' work. Students will be taught to be autonomous learners, taking charge of increasing their own academic vocabulary.	

Course		Course Name	Course Overview	Remarks
General Education Courses	Second Language	Comprehensive English IB	This course uses textbooks based on actual TED Talks and teaches students the skills to summarize their thoughts on a topic and explain them logically to others, while also incorporating various values. Students will also listen to TED Talks while focusing on important vocabulary and expressions from the presentations. Everyone will have the opportunity to give presentations. Students will also understand and practice the rules of debate on a given topic.	
		Comprehensive English IIA	In English IIA as well as English IA, students will read relatively easy academic texts on various topics. They will be able to understand not only the text itself but also people's different values and the way to see things from different perspectives. As an individual or a group, students will have chances to summarize their ideas and present them. They will be able to acquire research competence, develop empathy by listening to others' opinions, and summarize their own ideas in a logical manner. Students will be taught to be autonomous learners, taking charge of increasing their own academic vocabulary.	
		Comprehensive English IIB	This course is to improve students' presentation skills based on the ones acquired in the previous year's "Comprehensive English IB". With mastering vocabulary in the textbook and continued listening practice of TED Talks, students will learn how to explain their opinions logically reflecting their own identities. They will also learn presentation skills that can be delivered efficiently to the audience. Students will also have opportunities to hold debates so they should learn the rules of the debates and how to proceed them.	
		Overseas English Program	In the summer vacation of their second year, students are able to experience one month's English training at St. Michael's College in Vermont, USA. While at SMC, students will have opportunities not only to strengthen the four core skills (reading, writing, listening and speaking) but also to interact with people who have different knowledge, culture, values and language through daily exchanges with American students. Through this experience, students will be able to understand diverse values and establish their own ideas.	Intensive
		Technical Communication	Students will develop the communication and professional skills needed for the engineering/technical workplace. The course will be organized around the central theme of giving a presentation to an international audience about a Japanese company. Upon completion of this class, students will be able to be aware of intercultural workplace differences, research industries/companies, write memos and reports and make an effective presentation.	
	Health and Physical Education/Others	Health and Physical Education IA	It will begin with an overview as how to use the gym to keep fit, and then group activities to facilitate group bonding. This course will then move onto developing sports skills – primarily bouldering, and also badminton, Volleyball, and Indiaca. Before culminating with a hike up Mt Hakusan (weather dependent).	
		Health and Physical Education IB	This course will focus on physical training; both with weighted machines and endurance training. Then we will use the sports we played earlier in the year, but instead of focusing on how the sports skills transfer between sports, we will look into how they develop with discipline and practice. Also developing the communication skills in those sports.	

Course		Course Name	Course Overview	Remarks
General Education Courses	Health and Physical Education/Others	Health and Physical Education IIA	From the viewpoint of lifelong sports, we set the following three goals: 1. Maintaining and promoting health and improving physical fitness 2. Improving "communication skills" required in contemporary society through sports practice 3. Acquiring "leadership" required in global society through sports practice While taking advantage of rich nature in Hakusan area, we will perform the following in order to achieve these goals: (1) fitness measurement, (2) new sports (soft volleyball), (3) bouldering, (4) cross-country skiing	
		Health and Physical Education IIB	From the viewpoint of lifelong sports, we set the following three goals: 1. Maintaining and promoting health and improving physical fitness 2. Improving "communication skills" required in contemporary society through sports practice 3. Acquiring "leadership" required in global society through sports practice While taking advantage of rich nature in Hakusan area, we will perform the following in order to achieve these goals: (1) fitness measurement, (2) new sports (soft volleyball, indiaca), (3) bouldering, (4) cross-country skiing	
		Health and Physical Education IIIA	For lifelong sports, students will aim to understand the rules of popular sports and be able to play them. We will perform the following in order to achieve the goal: 1. Practicing the basic skills of softball (catch, batting, pitching, close teamwork) 2. Explaining the rules of softball 3. Playing softball games 4. Practicing the basic skills of tennis (stroke, serve, volley, smash)	
		Health and Physical Education IIIB	For lifelong sports, students will aim to understand the rules of popular sports and be able to play them. We will perform the following in order to achieve the goal: 1. Practicing serves, smashes, and volleys in tennis 2. Explaining the rules of tennis 3. Playing doubles in tennis 4. Playing league games of tennis 5. Explaining the rules of badminton 6. Playing badminton games 7. Playing league games of badminton	
		Visual Arts I	This course focuses on exposing students to arts, crafts, and designs, deepening their knowledge of art, enhancing sensitivity, and cultivating creativity and expressiveness through artistic activities. New awareness acquired through hands on experience provides further creativity and deepens thinking. Students will aim to be able to present things in creative and well-balanced way by observing and combining objects from various points of view. Students will learn how to bring their ideas into shape using two-dimensional or three-dimensional visual expression techniques.	
		Visual Arts II	Through artwork, students will cultivate their observational ability and insight by deepening their understanding of artistic creation from author's intention, motivation, and production process. After that, students will become expressionists themselves and develop their logical thinking skills while trying to verbalize their expressions. Students will aim to visualize expressions and obtain sophisticated results harmonized with theory and sensitivity. This course will cultivate awareness and ability to bring out students' creativity in order to have a broad perspective as an engineer, bring out their creativity, and answer their own questions.	

Course		Course Name	Course Overview	Remarks
General Education Courses	Health and Physical Education/Others	Performing Arts I	Engineers need to create original products using the knowledge and skills of mathematics, science, and engineering. Expression is indispensable for presentations to society and people. In this course, students will acquire the skills of expression required for innovators. In order to cultivate skills of expression, students will practice various techniques such as vocalization, respiration method, posture, mime, way of speaking, dialog practice, acting, dancing, and so on. Through practice, students will become familiar with art such as music, theater, and dance. When talking and acting in front of people, we may make mistakes. By learning from these mistakes, we can learn to enjoy challenges and find the key to success.	
		Performing Arts II	In this course, students will further experience the basics of various expressions learned in Performing Arts I. Students will learn how important skills of expression are, and their various forms by observing how skills of expression are used in the artistic world such as music, theater, and dance. As with Performing Arts I, students will study various techniques such as vocalization, respiration method, posture, mime, way of speaking, dialog practice, acting, dancing, and so on. At the end of each class, students will give a simple performance. By making an effort and continuing to try, students will acquire skills of expression in order to touch people emotionally and improve their techniques.	
	Co - creation (Common to all focus students)	Engineering Design IA	To tackle complex global issues, such as famine, environmental problems, population explosion, skills and knowledge to create new values to realize are essential as a global innovator. In this class, the students will work on project-based learning activities for finding problems and creating solutions, themed to solve issues in their daily life and environment. The student groups will go through the process from defining problems to creating new ideas in order to solve the problem, while practicing the methods in these steps. They will also learn the basic knowledge and methods to make quick prototypes of their ideas as well. Making ideas into shapes and sharing them with others, the students will enjoy the values of creation, making and sharing.	
		Engineering Design IB	Proper production process needs to be practiced to realize ideas. In this class students learn project management methods while making robots using biomimetic concepts. After understanding quality, cost, and meeting delivery times, students will experience the engineering design process: generate ideas, develop specifications, receive design reviews, make prototypes, evaluate, make, based on requirements. Through this process, students will have an overview of programming for robot controls and latest biomimetics.	
		Engineering Design IIA	In this course, students will practice with a problem-solving project, creating locally appropriate solutions and values themed under the societal, natural, or industrial environments of Hakusanroku area. Through a project, the students will learn the approaches to project planning, research, idea generation, proposing locally appropriate solutions utilizing its local ideas and resources, and prototyping. Facing wide range of challenges in the local society, the students will also cultivate abilities to find real problems with deeper insights and develop communication skills to propose appropriate solutions to communities.	
		Engineering Design IIB	In this course, the students will continue their regional problem-solving projects from Engineering Design 2B, and they will learn the approaches to evaluate the effectiveness of solutions, solution iteration, and sustainable implementation. Through the use of projects, the students will develop their practical skills to implement the locally appropriate solutions. The students will also cultivate a sense of ethics as a part of a local community and autonomy by reflecting on own involvement with the locals and on own actions to take.	

Course		Course Name	Course Overview	Remarks
Specialized Courses	Co - creation (Common to all focus students)	Engineering Design IV A	In order to develop technologies or products that challenge unknown world, it is necessary to understand the current event and trends of the world without having prejudice. In this course, we will deepen our understanding of local society and industrial fields, conduct collaborative work demonstrating basic engineering knowledge and skills with engineers of different specialized fields, and see what is necessary for society with a broader perspective to propose solutions. Through this activity, we will cultivate analytical, conceptual, and communication skills to understand the essence of the issues to be addressed and devise creative and devise creative solving methods to create value.	
		Engineering Design IV B	In order to develop technologies or products that challenge unknown world, it is necessary to understand the current event and trends of the world without having prejudice. In this course, we will utilize the idea proposed by Engineering Design IV A and challenge realistic problem-solving subjectively in cooperation with engineers in different specialized fields. Through this activity, we will cultivate analytical, conceptual, and communication skills to understand the essence of the issues to be addressed and devise creative and devise creative solving methods to create value.	
		Engineering Design V A	Students have learned various knowledge and skills so far. In this lesson, students, while using their knowledge and skills, carry out projects while playing a role as leaders, with several students. Through this lesson, future global innovator students will improve the attitude to continue to challenge new value creation and the ability to shape "MONO" and "KOTO".	
		Engineering Design V B	In this course, we will develop the contents of the work done by Engineering Design VA. Through analysis, experiments, considerations, and presentations, students learn from problem discovery and solving process and method while practicing. Students will make a logical presentation of their achievements and report them as articles so that they can gain sympathy for people. Through these subjective activities, we exercise practical knowledge and skills acquired in previous engineering designs, constantly trying to create new value even in the unpredictable future, and establish a posture to continue learning.	
		Engineering Context IA	Global innovators need to understand the situation and background of users, judge and predict what kind of services are required, and provide the services in an appropriate manner. In this course, students will learn various literacies and ethical code of conduct that are important for engineers while focusing on influence on society with nature and technology, etc. Also students will learn communication skills that promote others' understanding when exchanging opinions and presenting contents understood through learning and experiences.	
		Engineering Context IB	In order for our students to become innovators, we need the ability to gain insight into the essence of the problem, to propose and implement appropriate solutions to it. Therefore, in this subject, understanding the technical circumstances surrounding us today and their problems with the theme of energy and power generation to familiarize the students with engineering literacy. Through the production of wind power generator, students experience prototyping method and mechanism of wind power generation. Also students will learn how to think logically, to discuss, to investigate using literature and web resources in order to summarize the data and express it as a scientific report.	
		Engineering Context IIA	In this course, in order to for our students to become future global innovator with a good foundation of their technical course work. With and understanding of domestic and international engineering standards and practice, working in groups with different roles while learning project management skills. Leaning how to work in a team and have tools to smoothly monitor and reach set goals. Applying the knowledge and technical skills with in the Hakusan community to tackle projects and from the natural environment around the school, the community, and industry.	

Course		Course Name	Course Overview	Remarks
Specialized Courses	Co - creation (Common to all focus students)	Engineering Context IIB	For students to become global innovators, they will need to cover a wide range of topics such as understanding different domestic and international environments, opportunity cost (trade-offs) and global strategies. In this course, students will learn how businesses impact society and nature. Students will also explore how business ethics affect the decision-making process and the role an engineer plays in helping to shape them. Students will learn through case studies of real world companies on how they affect society, nature and their respective industry. In addition, students will also understand the importance of Intellectual Property (IP) as it applies to businesses and to the engineers that create them.	
		Internship I	In this course, you will gain experience with companies in or outside Ishikawa or overseas, doing work related to your studies and/or future career. You will develop your own understanding of job hunting and think about your career plan and vocational aptitude. During your internship, you will experience things that you cannot in school, such as advanced technology, which will lead you to improve your engineering knowledge. You will also discover why you are learning engineering and the ethics of engineering. Additionally, in order to gain human skills and be an engineer who can contribute to society, you will gain and improve autonomy and responsibility.	Intensive
		Internship II	Continuing from Internship I, you will gain work experience with companies in or outside Ishikawa or overseas, doing work related to your studies and/or future career. You will deal with more advanced technology and gain more specific knowledge, further understand why you are learning engineering and the ethics of engineering. You will continue to develop manners of members of society, autonomy and responsibility, in order to contribute to society as a leader.	Intensive
		Entrepreneurship	Through lectures by entrepreneurs who are active in their fields in and outside Japan and discussions among the students, the students will understand the nature of entrepreneurs who play important roles to make innovation happen. Also, the students will have better understanding the hurdle to take challenges they might face when they go into the workforce, as well as nurturing a sense of contribution to the society utilizing their own characteristics and strength.	
	IT Literacy (Common to all focus students)	Computer Skills IA	In modern days, computers are used everywhere, and skills to use computers are essential for all engineers. In this course, students will acquire the skills of creating spreadsheets, texts, and slides using Microsoft Office as basic computer skills. In spreadsheet, learn about handling data from basic statistics and probability. Also, learn about modeling and image processing methods that are important for digital fabrication.	
		Computer Skills IB	Innovative ideas and personal talents must be communicated to the world in order to be effective. The Internet has made this possible for anybody to do with the ease in which a person can create their own webpages. This class will guide students towards the ultimate goal of launching a personal portfolio website that showcases their projects and creations. Students will design their own original website and organize its contents with materials from projects and assignments. This will allow students to visualize the outcomes of their courses and express themselves through how they choose to represent their own growth and learning.	

Course		Course Name	Course Overview	Remarks
Specialized Courses	IT Literacy (Common to all focus students)	Computer Skills IIA	Computational thinking is not limited to information technology engineers—it is essential for breaking down problems and devising flexible solutions in all fields of engineering. In this course, students will gain experience with computational thinking from a programming perspective while learning how computer programs process tasks. In particular, students will use the basic concepts of algorithms such as linear progression, repetition and parameterization to model and execute solutions for programming problems.	
		Computer Skills IIB	This course will focus on the applied skills of computational thinking. Students will learn general algorithms and understand how they apply to actual programming. In addition, students will acquire an ability to find patterns of problems and select an appropriate algorithm and to change complicated problems to solvable models by resolving and abstracting them. For this purpose, students will learn how to use tools for performing simple modeling with modeling languages and expressing those models as figures.	
	Electric and Electronic Engineering Focus Students	Applied Mathematics IA	In this course, students will mainly learn about analytical mathematics which is required for many engineering applications. Particularly, homogeneous and nonhomogeneous linear differential equations, and applications of them to real life problems such as equations of motion and equations which often appear in science. By acquiring the knowledge and skills mentioned above, students will learn how to build a deep understanding and attitude to utilize them in engineering and science, autonomously.	
		Applied Mathematics IB	In this course, students will mainly learn about analytical mathematics which is required for many engineering applications. Particularly, being able to calculate partial differentials, double integration, and applying them to locate local maximum and minimum and finding the volume of a three-dimensional shape. By acquiring the knowledge and skills mentioned above, students will learn how to build a deep understanding and attitude to utilize them in engineering and science, autonomously.	
		Applied Mathematics IIA	In this course, students will mainly learn about spatial and structural mathematics which are required for many engineering applications. Particularly, the calculation of a matrix, solving of simultaneous equations by using the determinant, linear transformations and diagonalization by using eigenvalue. By acquiring the knowledge and skills mentioned above, students will learn how to build a deep understanding and attitude to utilize them in engineering and science, autonomously.	
		Applied Mathematics IIB	In this course, students will mainly learn about spatial and structural mathematics which are required for many engineering applications. Particularly, being able to calculate the dot product, cross product, gradient, divergence and rotation of a vector, and understanding how to apply the derivative of a vector function. By acquiring the knowledge and skills mentioned above, students will learn how to build a deep understanding and attitude to utilize them in engineering and science, autonomously.	

Course		Course Name	Course Overview	Remarks
Specialized Courses	Electric and Electronic Engineering Focus Students	Engineering Mathematics	Learn the mathematics required for engineering. In particular, it aims to learn what is required for control engineering. Its contents are complex number and complex space and its properties, Laplace transform and solving differential equations using it, Fourier series and Fourier transform. Use these contents to further deepen understanding of special subjects of other engineering fields. Then, we aim to nurture the attitude to utilize the obtained knowledge subjectively.	
		Applied Physics IA	Applied physics is the study of phenomena and problems close to engineering in physics. Therefore, it is deeply involved in natural phenomena, industry and economic fields that can occur in everyday life, and scientific thought accompanying it is necessary. This course is based on basic physics and mathematics learned during the first to third grade. Then, you learn how to express invisible physical phenomena such as the law of movement and motion of an object in a form that can be seen in figures and formulas. Cultivate scientific thinking and expression skills to solve more realistic problems associated with engineering.	
		Applied Physics IB	Applied physics is the study of phenomena and problems close to engineering in physics. Therefore, it is deeply involved in natural phenomena, industry and economic fields that can occur in everyday life, and scientific thought accompanying it is necessary. This course is based on basic physics and mathematics learned during the first to third grade. Then, you learn how to express invisible physical phenomena such as the law of movement and motion of an object in a form that can be seen in figures and formulas. Cultivate scientific thinking and expression skills to solve more realistic problems associated with engineering.	
		Applied Physics IIA	Applied Physics is the academic subject to more engineering phenomena and problems in physics. Therefore, this subject is related to nature, industry and economy. And it needs scientific thinking about these fields. Applied physics II is based on physics, mathematics and applied physics I. The purpose of this subject is to understand natural phenomenon with differential equation, to learn several methods like Numerical analysis and to cultivate scientific thinking. This subject deals with wave, sound and light.	
		Applied Physics IIB	Applied Physics is the academic subject to more engineering phenomena and problems in physics. Therefore, this subject is related to nature, industry and economy. And it needs scientific thinking about these fields. Applied physics II is based on physics, mathematics and applied physics I. The purpose of this subject is to understand natural phenomenon with differential equation, to learn several methods like Numerical analysis and to cultivate scientific thinking. This subject deals with real phenomenon as kinetics.	
		Applied Chemistry IA	An important subject is chemistry in learning a field of constantly advancing life, environment. Through learning of applied chemistry I, II, I aim for acquiring power to analyze viewpoint and them which are chemical of a material and the life phenomenon into. In applied chemistry IA, I learn the physicochemical basics based on what I learned so far. I am in this way connected for application to chemical engineering by understanding methods to treat essence of the chemical bond judging from the viewpoint of the quantum theory, thermochemical way of thinking and usage, a method to treat a chemical reaction quantitatively, a battery, electrolysis quantitatively.	

Course		Course Name	Course Overview	Remarks
Specialized Courses	Electric and Electronic Engineering Focus Students	Applied Chemistry IB	An important subject is chemistry in learning a field of constantly advancing life, environment. Through learning of applied chemistry I, II, I aim for acquiring power to analyze viewpoint and them which are chemical of a material and the life phenomenon into. In applied chemistry IB, I learn inorganic chemistry based on what I learned so far. I can understand an elemental property, inorganic compound as a clue in a periodic table systematically and can in this way explain a characteristic and the application of the metal materials and nonmetallic material. In addition, I take it up about the organic metal complex working important as a living body material.	
		Applied Chemistry IIA	An important subject is chemistry in learning a field of constantly advancing life, environment. Through learning of applied chemistry I, II, I aim for acquiring power to analyze viewpoint and them which are chemical of a material and the life phenomenon into. In applied chemistry IIA, I learn it about the basics of organic chemistry. The organic compound has few elemental numbers to constitute, but there are a great many kinds. By this subject, I understand a classification, glossology, the property of the organic compound, reactions mainly on a hydrocarbon as the basics of organic chemistry and come to be able to predict the organic composition.	
		Applied Chemistry IIB	An important subject is chemistry in learning a field of constantly advancing life, environment. Through learning of applied chemistry I, II, I aim for acquiring power to analyze viewpoint and them which are chemical of a material and the life phenomenon into. In applied chemistry IIB, I learn it about the basics of organic chemistry secondary to IIA. By this subject, I understand a classification, glossology, the property of the organic compound including oxygen, reactions and come to be able to predict the organic composition. Furthermore, I learn it about carbohydrates, an amino acid, protein, the lipid which play an important role in life activity.	
		Electric Circuits IIA	In this course students will study about discrete and linear integrated electronic circuits. Topics such as oscillators and monostable, astable and bistable multivibrators; small-signal and power applications; digital-to-analog and analog-to-digital conversion techniques; phase locked loops; motors and generators will be covered. With hands on laboratory experience with prototyping and computer simulation and analysis.	
		Electric Circuits IIB	In this course, students will learn steady state of the electric circuit. We set the following three goals: 1. Calculation of the maximum power, 2. Calculation of the mutual inductance circuit, 3. Calculation of the two ports circuit.	
		Transient Phenomena	In this course, students will learn transient phenomena of the electric circuit. We set the following two goals: 1. Electric circuit equation using the Differential equation, 2. Electric circuit equation using the Laplace transform.	
		Basic Electronic Circuits	Studying electronic circuit theory is very important for electrical engineers. In this course, the students will first learn the fundamentals of analog circuits using discreet components such as diodes, and transistors. Next, they will learn about the concepts and design methods for creating basic amplifier analog circuits with the use of BJT's (bipolar junction transistors). Additionally, they will learn the principles of FET (field effect transistors) and op-amp (operational amplifiers) specific circuits. Also they will study logic circuits which is the basis of digital circuitry.	

Course		Course Name	Course Overview	Remarks
Specialized Courses	Electric and Electronic Engineering Focus Students	Electronic Circuits	Studying electronic circuit theory is very important for electrical engineers and researchers. In this course the students will be taught Boolean algebra, and the basics required to understand how logic circuits operate. Then the students will learn about combining the basic components such as AND gates, OR gates, and inverters to create sequential circuits such as flip-flops, counters, and more complex circuits like A/D (analog to digital) converters. Furthermore, the students will develop the ability to explain the operations and principles behind these sequential circuits.	
		Electromagnetics A	This course will aim to teach electrical properties and electromagnetic properties, which are the fundamentals in learning electrical engineering. By expressing an electric or a magnetic physical phenomenon mathematically and understanding the concept, students will be able to calculate a question quantitatively. There are fundamental laws to an electric charge, electric field, electric potential, and capacitance, defined by Coulomb's law, Gauss's law, and a theory of capacitance in an electrostatic field. Students need to understand the laws in order to acquire an academic ability to understand "Electromagnetics B". Students will also learn the mathematics required in the field of electromagnetics in this course. Through this course, students aim to acquire the ability of scientific thinking and cultivate an attitude of continuous learning.	
		Electromagnetics B	As with "Electromagnetics A", this course will aim to teach electrical properties and electromagnetic properties, which are the fundamentals in learning electrical engineering. By expressing an electric or a magnetic physical phenomenon mathematically and understanding the concept, students will be able to calculate a question quantitatively. Students will understand an interaction between an electric field and a magnetic field (such as Ampere's law and the law of electromagnetic induction) using a mathematical method of vector analysis and differential and integral calculus. In addition, students will understand electromagnetic waves, which is essential for the modern technique, from the perspective of electromagnetism. Through this course, students aim to acquire the ability of scientific thinking and cultivate an attitude of continuous learning.	
		Electric and Electronic Materials Engineering	Engineering material has two fields which can be used, one is by its functional-ability, and other is by its mechanical strength. The students in the course will learn functional materials, for instance, semiconductor, optical, magnetic, dielectric, metal, and so on. Functional materials can be used for various electric and electronic appliances. An advanced semiconductor can be applied to power electronics devices, and accomplish an economical power controller, for instance intelligent power modules and inverters. Optical materials can be applied as an optical fiber, a liquid crystal display, a laser and so on. High quality insulators and metals can be applied to high voltage cable. The students understand basic theory of solid state chemistry and physics, and learn materials science for electrical, electronic and optical materials.	
		Physical Electronics	The students in the course understand basic theory of quantum physics, solid state physics, physical property of dielectrics, magnetics and semiconductor. Students have to solve Schrödinger equation of a free electron, an electron orbiting a hydrogen atom, electron in a periodic potential, have to understand the physical meaning of the wave function and electrical conduction in solid based on band theory. Students also learn materials science for solids, for instance, dielectric piezoelectricity and pyroelectricity, a basic property and an application for hard and soft magnetics, an electrical property and an application of an advanced semiconductor, and so on. Later you understand basic theory of quantum chemical, and learn chemical reaction and electron orbit of inorganic and organic materials.	

Course		Course Name	Course Overview	Remarks
Specialized Courses	Electric and Electronic Engineering Focus Students	Drawing Skills in Electrical Engineering	Drawings that indicate shapes and specifications are essential to manufacturing. It is a vital skill for an electrical engineer to understand and create drawings correctly. As CAD systems have been installed in many design sites, designing and drawing with a computer have become common. In this course, students will learn the basics of drawing including the standards for drawing and usage of lines, as well as drawings of basic mechanical element and drawing circuit diagrams required for designing electric circuits and electrical equipment. Through this learning, students will acquire the skills to read and create a drawing.	
		Electrical Machinery and Electronic Applications	In this course, students will learn the electric machinery. The course focuses on the following four machines: 1. Transformer, 2. AC motor, 3. synchronous machine, 4. DC motor.	
		Electrical and Electronic Instrumentation Engineering	Knowledge about electrical and electronic measurement is necessary for electrical engineers to measure various kinds of electrical quantities (such as voltage, electric current, and resistance) with an appropriate measurement instrument. In this course, in order to understand the fundamentals of electrical and electronic measurement, students will learn the meaning and usage of measurement terminology and units as well as the composition and measurement principle of major electrical and electric equipment. First, students will learn a unit system and a measurement error as the fundamentals of measurement. Next, they will learn the principles and characteristics of an analog instrument and a digital instrument, then the basic and the applied measurement of electric quantity.	
		Computer Architecture	Hardware and software of computer work together to process information. The computer architecture defines the assignation of which processing is realized by hardware and which processing is executed by software. In this course, in order to understand how the computer processes various information, we aim to acquire basic configuration and principles of operation for the computer. And we also learn the history of the state-of-the-art computer systems from past to present, and the importance of adopting the most advanced technologies as a computer system engineer at all times.	
		Programming A	The programming is to create a program and software, and is one of the important capability needed for engineers in all fields. In this course, we learn basic concepts and syntax of programming such as variables, control statements, arrays and functions through exercises. Also, in order to acquire practical skills, we learn how to use software development tools through programming exercises. Through such exercises, we acquire the ability to properly use the standard library provided by the software development environment, and to create a basic program that appropriately combines the basic control structures.	
		Programming B	In engineering fields, computers are necessary tools for solving a large variety of problems. They are effective for many purposes such as measurement evaluation and analysis in mechanical engineering as well as control systems in electrical engineering. Engineers in every field need the ability to systematically learn and apply programming for their respective engineering domain. This course sets the programming knowledge and skills that students have acquired up to this point as a basis and aims for them to gain skills in the implementation of fundamental algorithms, data structures, and program specifications which they conceive and design themselves.	
	Mechanical Engineering Focus Students	Applied Mathematics IA	In this course, students will mainly learn about analytical mathematics which is required for many engineering applications. Particularly, homogeneous and nonhomogeneous linear differential equations, and applications of them to real life problems such as equations of motion and equations which often appear in science. By acquiring the knowledge and skills mentioned above, students will learn how to build a deep understanding and attitude to utilize them in engineering and science, autonomously.	

Course		Course Name	Course Overview	Remarks
Specialized Courses	Mechanical Engineering Focus Students	Applied Mathematics IB	In this course, students will mainly learn about analytical mathematics which is required for many engineering applications. Particularly, being able to calculate partial differentials, double integration, and applying them to locate local maximum and minimum and finding the volume of a three-dimensional shape. By acquiring the knowledge and skills mentioned above, students will learn how to build a deep understanding and attitude to utilize them in engineering and science, autonomously.	
		Applied Mathematics IIA	In this course, students will mainly learn about spatial and structural mathematics which are required for many engineering applications. Particularly, the calculation of a matrix, solving of simultaneous equations by using the determinant, linear transformations and diagonalization by using eigenvalue. By acquiring the knowledge and skills mentioned above, students will learn how to build a deep understanding and attitude to utilize them in engineering and science, autonomously.	
		Applied Mathematics IIB	In this course, students will mainly learn about spatial and structural mathematics which are required for many engineering applications. Particularly, being able to calculate the dot product, cross product, gradient, divergence and rotation of a vector, and understanding how to apply the derivative of a vector function. By acquiring the knowledge and skills mentioned above, students will learn how to build a deep understanding and attitude to utilize them in engineering and science, autonomously.	
		Engineering Mathematics	Learn the mathematics required for engineering. In particular, it aims to learn what is required for control engineering. Its contents are complex number and complex space and its properties, Laplace transform and solving differential equations using it, Fourier series and Fourier transform. Use these contents to further deepen understanding of special subjects of other engineering fields. Then, we aim to nurture the attitude to utilize the obtained knowledge subjectively.	
		Applied Physics IA	Applied physics is the study of phenomena and problems close to engineering in physics. Therefore, it is deeply involved in natural phenomena, industry and economic fields that can occur in everyday life, and scientific thought accompanying it is necessary. This course is based on basic physics and mathematics learned during the first to third grade. Then, you learn how to express invisible physical phenomena such as the law of movement and motion of an object in a form that can be seen in figures and formulas. Cultivate scientific thinking and expression skills to solve more realistic problems associated with engineering.	
		Applied Physics IB	Applied physics is the study of phenomena and problems close to engineering in physics. Therefore, it is deeply involved in natural phenomena, industry and economic fields that can occur in everyday life, and scientific thought accompanying it is necessary. This course is based on basic physics and mathematics learned during the first to third grade. Then, you learn how to express invisible physical phenomena such as the law of movement and motion of an object in a form that can be seen in figures and formulas. Cultivate scientific thinking and expression skills to solve more realistic problems associated with engineering.	

Course		Course Name	Course Overview	Remarks
Specialized Courses	Mechanical Engineering Focus Students	Applied Physics IIA	Applied Physics is the academic subject to more engineering phenomena and problems in physics. Therefore, this subject is related to nature, industry and economy. And it needs scientific thinking about these fields. Applied physics II is based on physics, mathematics and applied physics I. The purpose of this subject is to understand natural phenomenon with differential equation, to learn several methods like Numerical analysis and to cultivate scientific thinking. This subject deals with wave, sound and light.	
		Applied Physics IIB	Applied Physics is the academic subject to more engineering phenomena and problems in physics. Therefore, this subject is related to nature, industry and economy. And it needs scientific thinking about these fields. Applied physics II is based on physics, mathematics and applied physics I. The purpose of this subject is to understand natural phenomenon with differential equation, to learn several methods like Numerical analysis and to cultivate scientific thinking. This subject deals with real phenomenon as kinetics.	
		Applied Chemistry IA	An important subject is chemistry in learning a field of constantly advancing life, environment. Through learning of applied chemistry I, II, I aim for acquiring power to analyze viewpoint and them which are chemical of a material and the life phenomenon into. In applied chemistry IA, I learn the physicochemical basics based on what I learned so far. I am in this way connected for application to chemical engineering by understanding methods to treat essence of the chemical bond judging from the viewpoint of the quantum theory, thermochemical way of thinking and usage, a method to treat a chemical reaction quantitatively, a battery, electrolysis quantitatively.	
		Applied Chemistry IB	An important subject is chemistry in learning a field of constantly advancing life, environment. Through learning of applied chemistry I, II, I aim for acquiring power to analyze viewpoint and them which are chemical of a material and the life phenomenon into. In applied chemistry IB, I learn inorganic chemistry based on what I learned so far. I can understand an elemental property, inorganic compound as a clue in a periodic table systematically and can in this way explain a characteristic and the application of the metal materials and nonmetallic material. In addition, I take it up about the organic metal complex working important as a living body material.	
		Applied Chemistry IIA	An important subject is chemistry in learning a field of constantly advancing life, environment. Through learning of applied chemistry I, II, I aim for acquiring power to analyze viewpoint and them which are chemical of a material and the life phenomenon into. In applied chemistry IIA, I learn it about the basics of organic chemistry. The organic compound has few elemental numbers to constitute, but there are a great many kinds. By this subject, I understand a classification, glossology, the property of the organic compound, reactions mainly on a hydrocarbon as the basics of organic chemistry and come to be able to predict the organic composition.	
		Applied Chemistry IIB	An important subject is chemistry in learning a field of constantly advancing life, environment. Through learning of applied chemistry I, II, I aim for acquiring power to analyze viewpoint and them which are chemical of a material and the life phenomenon into. In applied chemistry IIB, I learn it about the basics of organic chemistry secondary to IIA. By this subject, I understand a classification, glossology, the property of the organic compound including oxygen, reactions and come to be able to predict the organic composition. Furthermore, I learn it about carbohydrates, an amino acid, protein, the lipid which play an important role in life activity.	

Course		Course Name	Course Overview	Remarks
Specialized Courses	Mechanical Engineering Focus Students	Applied Biology I	The recent accumulation of knowledge in the field of biology, especially regarding the development of technology is remarkable. The biochemistry principles that elucidates the phenomena in organisms at the molecular level has developed greatly and has helped development of applied technology used in the medical field. In this course, students will learn about the structure, the physical and chemical characteristics of the major constituents of the cell and living organisms in addition to their functions and roles as basic knowledge for understanding biology. They will also think about how the content learned in this course is related to society (especially in local communities) through concrete examples.	
		Mechanics of Materials I	Mechanics of Materials is necessary subject, because it's the basic one of engineering to design several structures and strength. Especially recently, it is not popular only general processing method but also rapid prototyping. Therefore, this subject needs to continue learning for consideration of stiffness under complex conditions. In this subject, students aim to learn necessary basic knowledge for appropriate selection of materials, shape and size.	
		Mechanics of Materials II	Mechanics of Materials is the basic subject of engineering to design several structures and strength. Therefore, this subject needs to continue learning depended on new processing and materials. In this subject continued from Mechanics of Materials I, students aim to learn necessary basic knowledge for appropriate selection of mechanical elements and decision of shape and size through actual destruction case and approach to continuum.	
		Technical Drawing	In this course, students will acquire knowledge and techniques to read and draft machine drawings correctly, through understanding of "mechanical drawing" in the Japanese Industrial Standards (JIS). In drafting exercises, students will learn the basics of mechanical drawing using CAD (Computer Aided Drawing / Design) for mechanical products. Also, students will work on proposing machine products in the exercise, and think about new value creation based on customer's requests, and develop the ability to find and solve problems.	
		Design of Machine Element	Students will understand that machinery products and machine tools such as lathes are made up of mechanical elements and will acquire the basic ability to reasonably and economically design machinery and equipment. Students will learn the process of dimensioning in machine elements, with particular focus on the design calculation process of mechanical elements, and understand the Japanese Industrial Standard, stress and strain, and forces and motion exerted on objects. Students will also study the calculation method for machine design and cultivate the fundamental power of the design to create valuable new products.	
		Thermodynamics	Learn the fundamentals of thermodynamics to effectively utilize the fever deeply related to our lives. Understanding the laws of thermodynamics such as the law of conservation of energy and the direction of natural phenomena, you acquire scientific thinking tied to nature, society, and industry. Calculate the values of gas pressure, volume, temperature etc. using the ideal gas state equation. Also learn about the ideal cycle, reversible cycle (Carnot cycle or refrigeration cycle) and their efficiency and operation coefficient. Learn about the concept of entropy.	

Course		Course Name	Course Overview	Remarks
Specialized Courses	Mechanical Engineering Focus Students	Thermal Engineering	In this course, students will learn about the relationship between energy and human accompanying the development of civilization. In addition, students will develop knowledge of thermodynamics and learn how to convert thermal energy into mechanical work in various heat engines. Furthermore, students learn about depletion of fossil fuels, global warming, environmental problems such as energy and pollution problems, and new energy systems such as renewable energy and cogeneration. In addition to acquiring scientific thinking tied to nature, society and industry, cultivate a sense of social mission carried out by engineers.	
		Fluid Mechanics	Fluid systems are used everywhere in society, and the development of fluid systems has the power to solve major problems of society. In this class, students will learn the principle and structure of fluid systems and master the knowledge necessary for problem solving. As a fluid systems, pumps for an air conditioner and a refrigerator are used in household electric appliances. And in an automobile, fuel pump and a hydraulic pump are used. Industrial machinery are also using fluid systems, such as pumps of power plants, blowers of building air conditioning systems, hydraulic equipment of construction machines, aircraft engine systems, and the like. Also students will lean the movement principle of movement and fluid resistance of aircrafts and ships.	
		Machining	In order to acquire the skills required to become a technical innovator, students will learn machining and measurement methods and the importance of safe machine and tool use through practical work. Machines consist of multiple parts, so making precise and accurate individual parts is essential. It is therefore important to consider the drawing and processing procedures as the basis of manufacturing. In this course, students will extend their prior knowledge of the method of use and processing of machine tools, discover and solve manufacturing problems, such as improving work efficiency by creating two types of base, and learn more about processing techniques.	
		Measurement Engineering	In automated control systems including robots, sensors for detecting and monitoring the condition of the system are used. In this class, students will learn the principle and mechanism of how to convert various physical quantities to electrical signals by using several sensors. In conjunction with the content of the lecture, they will make a simple measurement system embedding the sensor, and actually try to measure. By understanding the operating of principle these sensors and learning its usage method, students will acquire the skill to actively respond to the required measurement needs for technical activities and to troubleshoot problems.	
		Materials Engineering	One of the key factors that affect the characteristics of an object is its materials. It affects the strength, cost and safety of the object among many other variables. An understanding of different types of properties determined by materials will provide insight into the various design choices, handling methods, and capabilities of the many objects with which a Mechanical Engineer will come into contact.	
		Basic Electronic Circuits	Studying electronic circuit theory is very important for electrical engineers. In this course, the students will first learn the fundamentals of analog circuits using discreet components such as diodes, and transistors. Next, they will learn about the concepts and design methods for creating basic amplifier analog circuits with the use of BJT's (bipolar junction transistors). Additionally, they will learn the principles of FET (field effect transistors) and op-amp (operational amplifiers) specific circuits. Also they will study logic circuits which is the basis of digital circuitry.	

Course		Course Name	Course Overview	Remarks
Specialized Courses	Mechanical EngineeringFocus Students	Control Engineering	Control engineering is an essential element for human life. Control engineering can be applied not only to mechanical systems but also to objects whose output varies dynamically with input, and this idea has been adopted widely in finance and so on as well. Although it is a technique used in invisible places, it can be said that its application creates great value to society. In this course we will deeply learn about transfer function, block diagram, transient response method, frequency response method, PID control, control system analysis and design.	
		Computer Architecture	Hardware and software of computer work together to process information. The computer architecture defines the assignation of which processing is realized by hardware and which processing is executed by software. In this course, in order to understand how the computer processes various information, we aim to acquire basic configuration and principles of operation for the computer. And we also learn the history of the state-of-the-art computer systems from past to present, and the importance of adopting the most advanced technologies as a computer system engineer at all times.	
		Programming A	The programming is to create a program and software, and is one of the important capability needed for engineers in all fields. In this course, we learn basic concepts and syntax of programming such as variables, control statements, arrays and functions through exercises. Also, in order to acquire practical skills, we learn how to use software development tools through programming exercises. Through such exercises, we acquire the ability to properly use the standard library provided by the software development environment, and to create a basic program that appropriately combines the basic control structures.	
		Programming B	In engineering fields, computers are necessary tools for solving a large variety of problems. They are effective for many purposes such as measurement evaluation and analysis in mechanical engineering as well as control systems in electrical engineering. Engineers in every field need the ability to systematically learn and apply programming for their respective engineering domain. This course sets the programming knowledge and skills that students have acquired up to this point as a basis and aims for them to gain skills in the implementation of fundamental algorithms, data structures, and program specifications which they conceive and design themselves.	
	Information Frontier Focus Students	Applied Mathematics IA	In this course, students will mainly learn about analytical mathematics which is required for many engineering applications. Particularly, homogeneous and nonhomogeneous linear differential equations, and applications of them to real life problems such as equations of motion and equations which often appear in science. By acquiring the knowledge and skills mentioned above, students will learn how to build a deep understanding and attitude to utilize them in engineering and science, autonomously.	
		Applied Mathematics IB	In this course, students will mainly learn about analytical mathematics which is required for many engineering applications. Particularly, being able to calculate partial differentials, double integration, and applying them to locate local maximum and minimum and finding the volume of a three-dimensional shape. By acquiring the knowledge and skills mentioned above, students will learn how to build a deep understanding and attitude to utilize them in engineering and science, autonomously.	

Course		Course Name	Course Overview	Remarks
Specialized Courses	Information Frontier Focus Students	Applied Mathematics IIA	In this course, students will mainly learn about spatial and structural mathematics which are required for many engineering applications. Particularly, the calculation of a matrix, solving of simultaneous equations by using the determinant, linear transformations and diagonalization by using eigenvalue. By acquiring the knowledge and skills mentioned above, students will learn how to build a deep understanding and attitude to utilize them in engineering and science, autonomously.	
		Applied Mathematics IIB	In this course, students will mainly learn about spatial and structural mathematics which are required for many engineering applications. Particularly, being able to calculate the dot product, cross product, gradient, divergence and rotation of a vector, and understanding how to apply the derivative of a vector function. By acquiring the knowledge and skills mentioned above, students will learn how to build a deep understanding and attitude to utilize them in engineering and science, autonomously.	
		Engineering Mathematics	Learn the mathematics required for engineering. In particular, it aims to learn what is required for control engineering. Its contents are complex number and complex space and its properties, Laplace transform and solving differential equations using it, Fourier series and Fourier transform. Use these contents to further deepen understanding of special subjects of other engineering fields. Then, we aim to nurture the attitude to utilize the obtained knowledge subjectively.	
		Applied Physics IA	Applied physics is the study of phenomena and problems close to engineering in physics. Therefore, it is deeply involved in natural phenomena, industry and economic fields that can occur in everyday life, and scientific thought accompanying it is necessary. This course is based on basic physics and mathematics learned during the first to third grade. Then, you learn how to express invisible physical phenomena such as the law of movement and motion of an object in a form that can be seen in figures and formulas. Cultivate scientific thinking and expression skills to solve more realistic problems associated with engineering.	
		Applied Physics IB	Applied physics is the study of phenomena and problems close to engineering in physics. Therefore, it is deeply involved in natural phenomena, industry and economic fields that can occur in everyday life, and scientific thought accompanying it is necessary. This course is based on basic physics and mathematics learned during the first to third grade. Then, you learn how to express invisible physical phenomena such as the law of movement and motion of an object in a form that can be seen in figures and formulas. Cultivate scientific thinking and expression skills to solve more realistic problems associated with engineering.	
		Applied Physics IIA	Applied Physics is the academic subject to more engineering phenomena and problems in physics. Therefore, this subject is related to nature, industry and economy. And it needs scientific thinking about these fields. Applied physics II is based on physics, mathematics and applied physics I. The purpose of this subject is to understand natural phenomenon with differential equation, to learn several methods like Numerical analysis and to cultivate scientific thinking. This subject deals with wave, sound and light.	
		Applied Physics IIB	Applied Physics is the academic subject to more engineering phenomena and problems in physics. Therefore, this subject is related to nature, industry and economy. And it needs scientific thinking about these fields. Applied physics II is based on physics, mathematics and applied physics I. The purpose of this subject is to understand natural phenomenon with differential equation, to learn several methods like Numerical analysis and to cultivate scientific thinking. This subject deals with real phenomenon as kinetics.	

Course		Course Name	Course Overview	Remarks
Specialized Courses	Information Frontier Focus Students	Applied Chemistry IA	An important subject is chemistry in learning a field of constantly advancing life, environment. Through learning of applied chemistry I, II, I aim for acquiring power to analyze viewpoint and them which are chemical of a material and the life phenomenon into. In applied chemistry IA, I learn the physicochemical basics based on what I learned so far. I am in this way connected for application to chemical engineering by understanding methods to treat essence of the chemical bond judging from the viewpoint of the quantum theory, thermochemical way of thinking and usage, a method to treat a chemical reaction quantitatively, a battery, electrolysis quantitatively.	
		Applied Chemistry IB	An important subject is chemistry in learning a field of constantly advancing life, environment. Through learning of applied chemistry I, II, I aim for acquiring power to analyze viewpoint and them which are chemical of a material and the life phenomenon into. In applied chemistry IB, I learn inorganic chemistry based on what I learned so far. I can understand an elemental property, inorganic compound as a clue in a periodic table systematically and can in this way explain a characteristic and the application of the metal materials and nonmetallic material. In addition, I take it up about the organic metal complex working important as a living body material.	
		Applied Biology I	The recent accumulation of knowledge in the field of biology, especially regarding the development of technology is remarkable. The biochemistry principles that elucidates the phenomena in organisms at the molecular level has developed greatly and has helped development of applied technology used in the medical field. In this course, students will learn about the structure, the physical and chemical characteristics of the major constituents of the cell and living organisms in addition to their functions and roles as basic knowledge for understanding biology. They will also think about how the content learned in this course is related to society (especially in local communities) through concrete examples.	
		Information Mathematics I	The entropy to measure the amount of information gives a theoretical foundation to the technology of information transmission and processing with high reliability and efficiency. In the course, we learn about the amount of information and its characteristics, and learn basic concepts of entropy which is deeply related to the amount of information. In addition, we learn basic concepts such as models of communication system and information source proposed by Shannon and encoding methods to improve reliability and efficiency. Through these learnings, we aim to acquire the mathematical foundation from perspective in informatics suitable for global inventors.	
		Information Mathematics IIA	Information content is a concept to view information as quantity, and provides a theoretical foundation to the technology to transmit and process information with high reliability and efficiency. In this course, students first learn information content and its property, and the basic concepts such as entropy, which is deeply related to the information content. Based on that, they will learn basic concepts such as communication model and information source proposed by Shannon and encoding method to improve reliability and efficiency.	
		Information Mathematics IIB	In mathematics and physics, some of the important problems can be modeled as continuous functions. Numerical processing is an academic field which is necessary to solve such a problem by computers. In this course, students learn algorithms for numerical calculation and methods to numerically obtain solutions of mathematical models. Students also learn and understand methods to more quickly or more correctly solve the same problem. This course offers to learn numerical analyzing skill which is essential for global innovators.	

Course		Course Name	Course Overview	Remarks
Specialized Courses	Information Frontier Focus Students	Programming Lab A	The creation of computer programs is called "programming" and it is the single most important skill required of information technology engineers. In this course, students will study fundamental programming concepts such as variables, control structures, arrays, functions, etc. They will deepen their understanding through the practice of not only programing language syntax, but also the integration of using and maintaining development tools & environments as well as debugging. Through this experience, students will gain the ability to aptly use standard libraries availably for their development environments and create basic programs that make good use of fundamental control structures.	
		Programming Lab B	Students will gain experience in the development of software familiar in the real-world such as web and desktop applications, systems consisting of multiple programs that resemble actual compositions, and programs that take into account recent IT trends. Through this experience, they will acquire the knowledge and skill necessary for practical programming such as file input/output, networking, exception handling, the use of class libraries as standard components, and object-oriented programming. In addition, students will gain an ability to conceive and design software that is both practical and innovative.	
		Computer System A	A computer can function only when both hardware and software are working together. To effectively utilize the capability of a computer, IT engineer must understand not only the knowledge of software, but also the computer hardware configuration and the basic operating principle. In this course, students learn the basic structure of a computer, and the function-and-role of the main elements of a computer such as CPU, memory, and Input/output devices. Students also learn how information is stored in a computer as data, how the stored data are represented in a computer, and how they are processed.	
		Computer System B	Development of software that effectively utilizes hardware resources requires the knowledge of computer architecture. The computer architecture defines the division of which processing is realized by hardware and which processing is executed by software. In this course, students learn the structure and role of major components such as the basic structure of computer architecture, CPU, main memory, data-bus. Students are expected to understand the basics of computer architecture and to how machine language instructions are executed.	
		Network Systems Lab	Recently, needs of network engineer have been increasing. In this course, you will learn network technology including mainly TCP/IP protocol which is main part of current modern network technology, and OSI reference network model. Besides, you will learn the function of network devices to construct the network, and how to set up them, for example routing and switching and so on. you will have deep understanding of network technology through some practical training such as creating easy programs based on these technology, designing network system for such a small or medium corporation.	
		Software Engineering	Software developers need to make software to required functions and quality despite limitations such as technical, time, humans, and so on. In this course, we will discuss the problems faced by software developers when making large scale and complicated software systems. You will also learn techniques for making effective and reliable software systems and the role of various tools. In detail, you will learn about the basic concept of object-oriented development, design techniques using modeling language such as UML, and development process models such as Waterfall and Agile.	

Course		Course Name	Course Overview	Remarks
Specialized Courses	Information Frontier Focus Students	Software Engineering Lab	You will learn more about the software development process through exercises. You will learn techniques for efficient development of high-quality software and the usefulness of object-oriented programming for software engineering by experiencing system development with programming language. Additionally, through project-type practical training and teamwork, you will learn the importance of continuous learning, collaboration, leadership, and software development techniques that are constantly evolving.	
		Database	Today is an era of BIG data. The amount of data handled by IT system has been rapidly increasing. Because of such a background, IT systems, which is a main role of data processing, are getting more important. The main objective of this course is to acquire skills to design correct data modeling and to carry out appropriate data processing, and that deepen understanding about database. For that purpose, you will study the database and SQL language mainly about relational database. In addition, learn about the basic functions of relational database management system such as transaction management, disaster recovery function, performance tuning.	
		Data Structures and Algorithms	The procedure for solving a given problem is called an algorithm, and the data retention method is known as a data structure. In order to develop efficient software, it is necessary to use an appropriate algorithm and data structure, and in many cases these can be achieved by using existing knowledge. In this course, we aim to acquire basic knowledge of the principles and efficiency of typical algorithms and data structures for basic problems, and cultivate ways of thinking to understand reality and analyze the complexities of contemporary society.	
		Operating System	Operating Systems (OS) are common platforms that are extensive application systems. In this course, students will learn the basic concept and design techniques of OS and will learn OS programming using system call.	
		Media Informatics	Today, media information, such as text, sound, images and videos are processed in large quantities by computers, used in the real world. In this course, students will learn the methods of processing and recording media information using computers, and basic knowledge such as computer graphics, and digital signal processing technology. By doing this, students acquire the basic skills of media technology and content production that integrates various media information, and the ability to actually use it. Students will also acquire the basic ability to create programs that deal with multimedia content.	
		Network Systems Lab	Recently, needs of network engineer have been increasing. In this course, you will learn network technology including mainly TCP/IP protocol which is main part of current modern network technology, and OSI reference network model. Besides, you will learn the function of network devices to construct the network, and how to set up them, for example routing and switching and so on. you will have deep understanding of network technology through some practical training such as creating easy programs based on these technology, designing network system for such a small or medium corporation.	

Course		Course Name	Course Overview	Remarks
Specialized Courses	Information Frontier Focus Students	Introduction to Management	Students will learn the basic concepts of business activities (corporate strategic management, marketing, organization theory, etc.), which should be understood by information technicians. Learning these concepts are helpful and necessary to analyzing and making decisions for strategy planning, business administration and build continuous relationship with customers and society. Furthermore, through investigating real company's business activities, students will understand what kind of structure the company has and how the company management is done, and be able to explain about business activities with a concrete image.	
		Business Accounting	In this course, students will learn the basic concepts of accounting and finance related to corporate activities and business management. Students will learn the meanings of basic accounting and finance terms such as financial statements and types of accounts, sales and profits, and break-even points. Students will also understand the fundamentals of financial accounting, such as publicizing the results of corporate activities to stakeholders and using accounting to support management and administrative decision-making. Additionally, students will develop their ability to read and analyze financial statements using financial indicators and the basic knowledge required to develop accounting systems.	
		Advanced Topics in Business	The goal of this course is to acquire knowledge about business activities, understand the fundamentals of marketing, corporate strategy, business management and the information systems supporting them. In this course, students will learn the purpose and method of marketing, understand the importance of information utilization in business activities through marketing research, collecting marketing data and data analysis. In addition, students will recognize the important elements in the development of a management information system and work on surveys and compare the functions and application methods of some key management information systems such as enterprise resource planning (ERP), customer relationship management (CRM), supply chain management (SCM), etc.	
	Applied Chemistry Focus Students	Applied Mathematics IA	In this course, students will mainly learn about analytical mathematics which is required for many engineering applications. Particularly, homogeneous and nonhomogeneous linear differential equations, and applications of them to real life problems such as equations of motion and equations which often appear in science. By acquiring the knowledge and skills mentioned above, students will learn how to build a deep understanding and attitude to utilize them in engineering and science, autonomously.	
		Applied Mathematics IB	In this course, students will mainly learn about analytical mathematics which is required for many engineering applications. Particularly, being able to calculate partial differentials, double integration, and applying them to locate local maximum and minimum and finding the volume of a three-dimensional shape. By acquiring the knowledge and skills mentioned above, students will learn how to build a deep understanding and attitude to utilize them in engineering and science, autonomously.	
		Applied Mathematics IIA	In this course, students will mainly learn about spatial and structural mathematics which are required for many engineering applications. Particularly, the calculation of a matrix, solving of simultaneous equations by using the determinant, linear transformations and diagonalization by using eigenvalue. By acquiring the knowledge and skills mentioned above, students will learn how to build a deep understanding and attitude to utilize them in engineering and science, autonomously.	

Course		Course Name	Course Overview	Remarks
Specialized Courses	Applied Chemistry Focus Students	Applied Mathematics IIB	In this course, students will mainly learn about spatial and structural mathematics which are required for many engineering applications. Particularly, being able to calculate the dot product, cross product, gradient, divergence and rotation of a vector, and understanding how to apply the derivative of a vector function. By acquiring the knowledge and skills mentioned above, students will learn how to build a deep understanding and attitude to utilize them in engineering and science, autonomously.	
		Engineering Mathematics	Learn the mathematics required for engineering. In particular, it aims to learn what is required for control engineering. Its contents are complex number and complex space and its properties, Laplace transform and solving differential equations using it, Fourier series and Fourier transform. Use these contents to further deepen understanding of special subjects of other engineering fields. Then, we aim to nurture the attitude to utilize the obtained knowledge subjectively.	
		Applied Chemistry IA	An important subject is chemistry in learning a field of constantly advancing life, environment. Through learning of applied chemistry I, II, I aim for acquiring power to analyze viewpoint and them which are chemical of a material and the life phenomenon into. In applied chemistry IA, I learn the physicochemical basics based on what I learned so far. I am in this way connected for application to chemical engineering by understanding methods to treat essence of the chemical bond judging from the viewpoint of the quantum theory, thermochemical way of thinking and usage, a method to treat a chemical reaction quantitatively, a battery, electrolysis quantitatively.	
		Applied Chemistry IB	An important subject is chemistry in learning a field of constantly advancing life, environment. Through learning of applied chemistry I, II, I aim for acquiring power to analyze viewpoint and them which are chemical of a material and the life phenomenon into. In applied chemistry IB, I learn inorganic chemistry based on what I learned so far. I can understand an elemental property, inorganic compound as a clue in a periodic table systematically and can in this way explain a characteristic and the application of the metal materials and nonmetallic material. In addition, I take it up about the organic metal complex working important as a living body material.	
		Applied Chemistry IIA	An important subject is chemistry in learning a field of constantly advancing life, environment. Through learning of applied chemistry I, II, I aim for acquiring power to analyze viewpoint and them which are chemical of a material and the life phenomenon into. In applied chemistry IIA, I learn it about the basics of organic chemistry. The organic compound has few elemental numbers to constitute, but there are a great many kinds. By this subject, I understand a classification, glossology, the property of the organic compound, reactions mainly on a hydrocarbon as the basics of organic chemistry and come to be able to predict the organic composition.	
		Applied Chemistry IIB	An important subject is chemistry in learning a field of constantly advancing life, environment. Through learning of applied chemistry I, II, I aim for acquiring power to analyze viewpoint and them which are chemical of a material and the life phenomenon into. In applied chemistry IIB, I learn it about the basics of organic chemistry secondary to IIA. By this subject, I understand a classification, glossology, the property of the organic compound including oxygen, reactions and come to be able to predict the organic composition. Furthermore, I learn it about carbohydrates, an amino acid, protein, the lipid which play an important role in life activity.	

Course		Course Name	Course Overview	Remarks
SpecializedCourses	Applied Chemistry Focus Students	Applied Biology I	The recent accumulation of knowledge in the field of biology, especially regarding the development of technology is remarkable. The biochemistry principles that elucidates the phenomena in organisms at the molecular level has developed greatly and has helped development of applied technology used in the medical field. In this course, students will learn about the structure, the physical and chemical characteristics of the major constituents of the cell and living organisms in addition to their functions and roles as basic knowledge for understanding biology. They will also think about how the content learned in this course is related to society (especially in local communities) through concrete examples.	
		Applied Biology II	Students will learn about the structure and proprieties of carbohydrates, lipids, nucleic acids and proteins that function in cells. Furthermore, students will understand how each biomolecule is metabolized and how energy is produced in order to understand the mechanisms of life. They will also learn how plants convert light into the energy necessary for their survival through photosynthesis and how they synthesize glucose using this energy.	
		Fundamental of Laboratory Safety	An experiment plays a main role in education in the chemistry, the study, and the importance of the experiment becomes higher by the education curriculum in the applied chemistry. I often handle a material and the apparatus which the risk is accompanied by the chemical experiment and suffer a serious case from a mistake of how to handle, and danger may amount to life. These mistakes are often caused by lack of knowledge, and it is necessary to learn minimum knowledge for prevention of danger about a material, an apparatus to handle when it carries out a chemical experiment. I learn knowledge necessary to perform a chemical experiment safely by this subject.	
		Applied Experiment and Practice in Chemistry A	This course is suitable for the students who completed Chemical Safety. At the successful completion of this course, the students gain competence, autonomously experiment on chemical exercises. In order to accomplish the experiment, the indicated contents in the course are as follows: you have to wear a rubber glove, a goggle and a clothing protecting your body according to the rule, you have to handle the chemical appliances according to the manual to prevent accident, you have to verify your chemical knowledge learned in technical course, students have to collect and analyze the experiment data and results, you have to write your own report, you have to keep the deadline for your report.	※Lab Exercise 30 hours Lab 30 hours
		Applied Experiment and Practice in Chemistry B	This course is suitable for the students who completed Chemical Safety. At the successful completion of this course, the students gain competence, autonomously experiment on chemical exercises. In order to accomplish the experiment, the indicated contents in the course are as follows: you have to wear a rubber glove, a goggle and a clothing protecting your body according to the rule, you have to handle the chemical appliances according to the manual to prevent accident, you have to verify your chemical knowledge learned in technical course, students have to collect and analyze the experiment data and results, you have to write your own report, you have to keep the deadline for your report.	※Lab Exercise 30 hours Lab 30 hours
		Chemistry of Phase and Reaction	We have to control chemical phase and reaction to produce chemicals utilized in chemical engineering processes. At the successful completion of this course, the students understand chemistry of phase and reaction in chemical engineering processes, and gain knowledge about chemical technology to contribute to the chemical industry. In order to accomplish the experiments, the indicated contents in the course are as follows: you have to understand basic theory of thermodynamics and quantum chemistry, you have to learn key aspects of chemistry, for instance, chemical phase, reaction, equilibrium, entropy, Gibbs free energy, Arrhenius equation, and so on.	

Course		Course Name	Course Overview	Remarks
Specialized Courses	Applied Chemistry Focus Students	Chemical Engineering	Chemical engineering is a study aiming to efficiently use, produce, transform, and transport chemicals, materials, and energy by designing production and material circulation systems for a sustainable society from a broad perspective. In this subject, students will use their previously gained knowledge of chemistry, biology, and other related subjects to learn the basics of chemical engineering. They will acquire problem solving skills through their understanding of the material and energy balance, chemical equilibrium and reaction rate, transport phenomena, and calculation methods such as methods used in reactor and process design.	
		Materials Engineering	One of the key factors that affect the characteristics of an object is its materials. It affects the strength, cost and safety of the object among many other variables. An understanding of different types of properties determined by materials will provide insight into the various design choices, handling methods, and capabilities of the many objects with which a Mechanical Engineer will come into contact.	
		Electrochemistry for Energy conversion and Storage	Electrochemistry for energy conversion and storage is studied for the chemical phenomenon of electron exchange. It can be used for various fields, like batteries/cells, material synthesis by electrolysis, electrochemical sensors, and surface treatment/finishing. After understanding these fields, which are used by electrochemistry, students will gain knowledge of the process of electrochemistry, the electrochemical system, standard electrode potential and Nernst's equation. In this course, firstly students will learn the basics of electrochemistry, the concept, and equations; later students will study batteries/cells, material synthesis electrolysis, and surface treatment/finishing as applied technology.	
		Electric and Electronic Materials Engineering	Engineering material has two fields which can be used, one is by its functional-ability, and other is by its mechanical strength. The students in the course will learn functional materials, for instance, semiconductor, optical, magnetic, dielectric, metal, and so on. Functional materials can be used for various electric and electronic appliances. An advanced semiconductor can be applied to power electronics devices, and accomplish an economical power controller, for instance intelligent power modules and inverters. Optical materials can be applied as an optical fiber, a liquid crystal display, a laser and so on. High quality insulators and metals can be applied to high voltage cable. The students understand basic theory of solid state chemistry and physics, and learn materials science for electrical, electronic and optical materials.	
		Physical Electronics	The students in the course understand basic theory of quantum physics, solid state physics, physical property of dielectrics, magnetics and semiconductor. Students have to solve Schrödinger equation of a free electron, an electron orbiting a hydrogen atom, electron in a periodic potential, have to understand the physical meaning of the wave function and electrical conduction in solid based on band theory. Students also learn materials science for solids, for instance, dielectric piezoelectricity and pyroelectricity, a basic property and an application for hard and soft magnetics, an electrical property and an application of an advanced semiconductor, and so on. Later you understand basic theory of quantum chemical, and learn chemical reaction and electron orbit of inorganic and organic materials.	

Course		Course Name	Course Overview	Remarks
Specialized Courses	Applied Chemistry Focus Students	Analytical Chemistry	In Chemical Industrial and environmental engineering, it is qualitative with a material, and it is very important that I identify it exactly quantitatively. Using a chemical phenomenon and a physical phenomenon, I learn a method to search these. By this subject, I titrate an acid base and learn it about a deposition formation reaction and the calculation of the solubility product, chelatometric titration, oxidation-reduction titration. I can thereby understand the principle of an analytical instrument playing an active part in various scenes now.	
		Environmental Chemistry	The environmental chemistry cooperates with the material in the global environment in circulation of the energy and behavior and them and elucidates a caused chemical reaction and is science to aim at environment and the construction of the harmonious society. By this subject, I learn the material in each area of the earth and energy circulation and behavior, the basics of science reaction in conjunction with them. And I understand the relations of earth structure and the global environment, an energy budget of the earth, carbon and nitrogen in environment and water cycle, a problem of the acid rain, an energy problem and can explain it.	
		Polymer Chemistry	A polymer is a functional material realizing rich society and advanced technology as industrial basic materials as necessities supporting modern life of the human more from chemistry, fiber to medical care and electronic industry, the field of aerospace. The 21st century begins, and the field where a macromolecule plays an active part spreads more and more, and the importance in the human being society increases. From the organic chemistry which I learned, I learn high polymer properties of matter, the composition method until now and, by this subject, aim for an intelligible thing about an application side as the functional material.	
		Computer Architecture	Hardware and software of computer work together to process information. The computer architecture defines the assignation of which processing is realized by hardware and which processing is executed by software. In this course, in order to understand how the computer processes various information, we aim to acquire basic configuration and principles of operation for the computer. And we also learn the history of the state-of-the-art computer systems from past to present, and the importance of adopting the most advanced technologies as a computer system engineer at all times.	
		Programming A	The programming is to create a program and software, and is one of the important capability needed for engineers in all fields. In this course, we learn basic concepts and syntax of programming such as variables, control statements, arrays and functions through exercises. Also, in order to acquire practical skills, we learn how to use software development tools through programming exercises. Through such exercises, we acquire the ability to properly use the standard library provided by the software development environment, and to create a basic program that appropriately combines the basic control structures.	
		Programming B	In engineering fields, computers are necessary tools for solving a large variety of problems. They are effective for many purposes such as measurement evaluation and analysis in mechanical engineering as well as control systems in electrical engineering. Engineers in every field need the ability to systematically learn and apply programming for their respective engineering domain. This course sets the programming knowledge and skills that students have acquired up to this point as a basis and aims for them to gain skills in the implementation of fundamental algorithms, data structures, and program specifications which they conceive and design themselves.	

8. Study

8.1 Academic Year, Semester, Holiday

Academic Year and Semester

The academic year is from April 1st to March 31st and divided into the first semester and the second semester.
Classes are conducted for over 35 weeks per year including the examination periods.

School Day and Holiday

School days and holidays in the 2018-2019 academic year are as follows.

First semester: April 1st, 2018 to September 26th, 2018
Second semester: September 27th, 2018 to March 31st, 2019

Summer holiday: August 7th to September 17th
Winter holiday: December 25th to January 6th
Spring holiday: March 16th to March 31st

In addition, make-up classes and events may be conducted during the holidays above.

Information about Changes due to Emergency

If the College is closed or the schedule of classes is changed due to typhoons, earthquakes, heavy snow, and other unpredictable reasons, information to that effect will be provided on our website. However, please note that there may be a case that our website cannot be updated depending on the situation. The URL is provided below. (The following QR code can also be used to access.)

https://www.ict-kanazawa.ac.jp/k.html

8.2 Class Schedule

Time Schedule

The weekly class schedule has been created for each class in the Department of Science and Technology.

The following table shows the daily schedule at the Hakusanroku campus:

Period	Time
1	8:40 - 10:10
2	10:20 - 11:50
Lunch	
3	12:40 - 14:10
4	14:20 - 15:50
Learning session	19:30 - 21:30

Learning Session

All 1st and 2nd year students are required to attend the learning session, which is the time for active learning. Students can gather at "Library and Work Commons" and Learning Mentors will help students review the contents in class, prepare for the following day, and learn in a team as necessary. Students should make effective use of the time to acquire learning contents and skills.

Changing Schedule

When the schedule is changed, students will be informed accordingly.

Missing a Day or Class

Students must attend classes to obtain credits. Even when a student has an unavoidable reason, credits are not given if the student misses more than one-fifth of the required number of classes.
Entry after the class starting time is treated as tardy, leaving before the class ending time is treated as early dismissal.

Absences to be Treated as Attendance

If students are absent for the reasons below, the absence will be treated as attendance. In this case, students must inform the class adviser accordingly.

Congratulation or Condolence

Marriage of siblings	1 day
Memorial service for parents or siblings	1 day
Death of parents	7 days
Death of grandparents or siblings	3 days
Death of great−grandparents, aunt, uncle, or cousins	1 day
Death of other members of family	1 day

Other Reasons

Official business
Disasters or traffic accidents
National exams or employment exams
Official off-campus activities
Other reasons allowed by the President

Criteria for Suspension from Classes and Suspension Period

According to the School Health and Safety Act, if students suffer from the following infectious diseases, they cannot attend classes. (It will be treated as a suspension of attendance and will not be absence.) After a sick student has been recovered in accordance with the instructions of a doctor and the doctor has given permission to go to school, the student must submit a "Byouketsu Shoumeisyo (sick leave certification form issued from the ICT office)" that the doctor has filled in, or the medical certificate issued by a medical institution to the class adviser.

Type	Features	Relevant infectious disease	Suspension duration
Type 1	Rare, but serious infection	Ebola hemorrhagic fever, Crimea, Congo fever, smallpox, South American hemorrhagic fever, plague, Marburg fever, Lassa fever, acute poliomyelitis, diphtheria, severe acute respiratory syndrome, avian influenza (H5N1 type), designated infection, new infection, infectious diseases such as novel influenza	Until it has healed
Type 2	Droplet infection that can cause a pandemic	Influenza * Excluding avian influenza (H5N1 type)	Until 5 days have passed since the day fever started, and 2 days have passed since fever has gone down
		Whooping cough	Until characteristic cough has gone, or an appropriate antimicrobial therapy for 5 days has ended
		Measles	Until 3 days have passed since fever with rash has gone down
		Epidemic parotitis	Until 5 days have passed since the swelling of the parotid, submandibular, or sublingual gland appeared and until overall physical condition has become good
		Rubella	Until rash has gone
		Chickenpox	Until all parts with rash have developed scabs
		Pharyngeal conjunctival fever	Until 2 days have passed since the main symptom has gone
		Tuberculosis	Until a school physician or another physician acknowledges that there is no longer fear of infection (as a guide, until the results of sputum smear on different days have been negative 3 times in a row)
		Meningococcal meningitis	Until a school physician or another physician acknowledges that there is no longer fear of infection
Type 3	Infectious diseases that are not subject to droplet infection but are likely to spread	Cholera, bacterial dysentery, intestinal hemorrhagic E. coli infection, typhoid fever, paratyphoid, acute epidemic keratoconjunctivitis	Until a school physician or another physician acknowledges that there is no longer fear of infection
		Other infectious diseases, such as norovirus/rotavirus infection, and mycoplasma infection	The President will decide the duration based on a school physician's opinion. As a basic rule, it is until 5 days have passed since the start of symptoms, but may be extended depending on the condition.

8.3 Examinations

Exams are conducted to evaluate student's learning status for each course and to certify credits. There are periodic exams (mid-term exams and final exams), re-exams, make-up exams, and supplementary exams for certifying credits.
In addition, those who have been found cheating on any exam cannot take the remaining exams, and they will receive 0 point for all courses during that exam period.

Periodic Exams

The periodic exam schedule for the 2018-19 academic year is as follows.

Mid-term exam in the 1st semester	June 7th to June 9th
Final exam in the 1st semester	August 2nd to August 4th
Mid-term exam in the 2nd semester	December 6th to December 10th
Final exam in the 2nd semester	February 26th to February 28th

Re-exams

A re-exam may be conducted for those who have failed the original periodic exam.

Make-up Exams

A make-up exam is conducted for those who could not take the original periodic exam due to unavoidable reasons, such as contagious diseases and club games against other teams.

Supplementary Exams for Certifying Credits

A supplementary exam for certifying credits is conducted for those who have been promoted to the next grade but are short credits. Students take this exam for the credits they could not acquire in the previous year.

8.4 Academic Results

Credits

Credits in the curriculum indicate the learning amount corresponding to the unit hours required for each course. As a general rule, 30 unit hours are worth one credit (one unit hour = 50 minutes).

On the other hand, some courses require 45 unit hours for one credit. 30 unit hours out of 45 unit hours are used for learning outside class such as preview and review, and 15 unit hours are used for classes as a standard. Credits calculated in this way are called "college-type credits" and are generally used in universities.

Credit Certification and Grading

Grade for each course is decided according to the evaluation criteria in the syllabus, taking into consideration student's exam results, daily learning status, and attendance.

The teacher in charge of each course will evaluate the academic results. In order to obtain credits, students need to attend classes for more than four-fifths of the total unit hours and score 60 or more out of 100 in their class grade. This score is graded according to the classification in the table below. The grade will be recorded in a guidance record, transcript, or other documents.

The score will be 60 points for the course of which students obtain credits by re-exam or supplementary exam.

If students do not take an exam on purpose, or cannot take it due to a disciplinary action, they will receive 0 point for the exam. In addition, students who have been found cheating on any exam will receive 0 point for all courses during that exam period.

Grading Academic Results

Score	100 - 90	89 - 80	79 - 70	69 - 60	59 - 0	-
Grade	S (Outstanding)	A (Very good)	B (Good)	C (Pass)	D (Poor grades)	F (Poor attendance)
Grade points	4	3	2	1	0	0

GPA

Grade Point Average (GPA) indicates the average of grades per credit in all courses based on the grade of each course. Using GPA, students can check overall evaluation at the end of each semester. It goes without saying that the GPA will be high if the grades of individual courses are high. However, since all registered courses will be used for the calculation, students need to make efforts to attend classes in their registered courses and acquire credits.
In addition, evaluations using GPA will provide basic information for future educational guidance, career guidance, and guidance on enrolling in a university. (The GPA will be used as qualification for transfer to a university based on recommendation.) Students should strive to study on a daily basis.

Grade and how to calculate GPA

Grade	Grade point
S (Outstanding)	4 points
A (Very good)	3 points
B (Good)	2 points
C (Pass)	1 point
D (Poor grades)	0 point
F (Poor attendance)	0 point

$$\text{GPA} = \frac{\text{Total of all courses (Grade points} \times \text{Number of credits)}}{\text{Total number of credits in all courses}}$$

Example:

$$\text{GPA} = \frac{(4 \times 2) + (3 \times 2) + (2 \times 4)}{8} = 2.75$$

Note: GPA is rounded off to two decimal places.

Report Cards

Report cards will be mailed directly to guardians after final exams each semester. In addition, if there is a need to talk about grades and other issues, we may ask guardians to come to school.

8.5 Portfolio

manaba, the learning support system

Students use the cloud-type learning support system, called "manaba". manaba has been installed in domestic higher education institutions. Students use manaba to submit answers for quizzes and reports that are set for each course.
It is also used for career building such as self-examination and to store school records in portfolios for five years. It can be accessed from smart phones so that students can review their daily learning status and their growth.

8.6 Promotion and Graduation

Requirements for Promotion

1st to 4th students who satisfy the following conditions are certified in completing the curriculum of the current grade and can move up to the next grade.

(1) Students have obtained more than the minimum required number of credits for the current grade stipulated in the Regulations.

(2) The number of days attended in the current grade is more than four-fifths of the required days.

Exception for Promotion

1st to 3rd year students who did not satisfy the requirement (1) above will be deemed to have completed the current grade and be able to move up to the next grade if they satisfy the following (1) and (2) requirements. 4th year students need to satisfy all of the following (1) to (3) requirements to do the same.

(1) Students have obtained the credits in the courses in the following Table 1, which are required to complete the current grade.

(2) The number of obtained credits exceeds the accumulated number of credits required for promotion described in Table 2.

(3) Students have obtained all the credits of the courses required for the 1st to 3rd years.

Table 1: The courses required to complete each grade

Department	Course			
	1st year	2nd year	3rd year	4th year
Science and Technology	Engineering Design IA and IB	Engineering Design IIA and IIB	Engineering Design III	Engineering Design IVA and IVB

Table 2: The accumulated number of credits required for promotion and graduation

Year / Department	1st year	2nd year	3rd year	4th year	5th year
Science and Technology	26 (38)	72 (76)	104 (108)	133 (140)	167 (167)

Note 1: The number in the brackets is the accumulated minimum required number of credits.

Limitation to Repetition of the Same Grade

Students can repeat the same grade one time only.

Requirements for Graduation

Students who satisfy the following (1) to (3) can complete the curriculum and graduate from school. Students whose graduation has been approved will receive an associate degree (Engineering).

(1) Students have obtained more than the minimum required number of credits stipulated in the Regulations.

(2) Students have participated in Special Activities for at least 90 unit hours by graduation.

(3) The number of days attended in the current grade is more than four-fifths of the required days.

9. Club Activities

Significance of Club and Project Activities

While classes are important to form students' character, club and project activities are other important aspects and are expected to have a great effect on their education.

Club and project activities are positive group activities and educationally very important to foster students who are mentally and physically healthy. Students can build vertical and horizontal human connections beyond the borders of departments and grades, have experiences as members or leaders of the clubs, and build personal connection with the club adviser. This helps students form a whole personality and make their school lives even more fulfilling.

In addition, there is a "day of club activities" once a week which encourages lively activities.

For the reasons above, our school strongly encourages club and project activities.

How to Join a Club and Make Club Activities Lively

Club and project activities are based on students' autonomous spirit and initiative and can provide opportunities for students to build their character. Sports club members can make their activities lively by having many games and practice matches. Culture club members can do so by displaying or presenting their works and participating in various contests.

Club activities are conducted in groups too. The number of club members can affect the continuation of the club especially when members are few or too many. In order to avoid this trouble, our school will take a survey about clubs new students want to join. Club advisers' requests are also taken into consideration in this adjustment.

Events Related to Club and Project Activities

Technical College Sports Tournament

It is held in August every year as part of technical college education in order to provide students many chances to practice sports, improve their skills, enhance their amateur sports spirit, and foster them as mentally and physically healthy students.
Japan is divided into eight regions and representatives from each region compete in the national competition.
Our school belongs to the Tokai/Hokuriku regional block. Technical colleges from Toyama, Fukui, Ishikawa (including our school) compete in the Hokuriku Regional Technical College Sports Tournament in July every year to be chosen as the representatives.

High School Athletic Meet

1st, 2nd, and 3rd year students in sports clubs can participate. Most of the sports clubs at our school participate in this athletic meet in spring and autumn.

Culture Club Presentations and Brass Band Club Concert

Culture clubs display and present their works every October at the ICT festival. The brass band club also has an annual concert at the ICT festival. This is a good opportunity for them to show the accomplishment of their daily practice.

National NHK Student Robot Contest (Yumekobo Project)

This is held every year for students of technical colleges. The participants make robots according to the same mission and compete to accomplish it.
Through the contest, students can cultivate their imagination and originality.

KOSEN Programing Contest (Computer Club)

Our school participates in this contest every year and competes for excellence of ideas and implementation ability in information processing technology, and has achieved great results such as winning the "Excellence Award".

Small-scale Hydroelectric Power Generation Contest

Our school participates in this contest where students compete for excellence of ideas and implementation ability in technology related to environment and energy.

10. School Activities

Orientation

Our new student orientation (about how to study, the curriculum, club activities, student council, etc.) helps students learn about how to spend their daily lives and set their own goals. Our school expects students to spend time making a meaningful student life.

Company Visits

Students visit companies and industrial sites in Japan. They observe the company's technology, learn about the work culture, foster dreams as engineers, and enhance their motivation for learning.

School Sports Day / Ball Sports Day

Students develop physical fitness and energy, as well as build friendships.

National Technical College Sports Tournament

The tournament aims to promote sports and mutual friendship among technical colleges, as well as develop healthy minds and bodies.

57 technical colleges are divided into 8 blocks and the highest ranking teams from each block compete in the national tournament every August.

Our school belongs to the Hokuriku regional block and competes in the Hokuriku Regional Technical College Sports Tournament with technical colleges from Toyama, Ishikawa, and Fukui.

Brass Band Club Concert

The ICT brass band club has an annual concert every October. Through music, our school interacts with local residents and contributes to cultural development.

ICT Festival

The ICT festival held in October is the biggest cultural school event.

Students set up displays and give presentations about the accomplishments they worked on over the year. Examples of things at the festival are capstone project introductions, experiments, displays, culture club introductions, and food vendors.

This is a good opportunity for students to let people outside of school know their accomplishments.

Training Program in KIT Anamizu Bay Seminar House

Through well-regulated life and group activities, both students and teachers gain friendship and trust with each other in a rich natural environment. They can also foster compassion and gratitude, cultivate a sense of ethics, and learn the importance of teamwork and leadership. Japanese students become more conscious of themselves as Japanese citizens through activities that are related to their daily lives.

School Trip to Singapore

The majority of 4th year students visit Singapore for one week during the autumn semester. Students broaden their perspectives through various activities, including interacting with students from Singapore Polytechnic (SP), one of our partner schools. These activities help them to prepare for their future as engineers.

11. School Office

The school office supports students' study and school lives and handles various matters so that students can be safe and comfortable at school. For example, the school office deals with certifications and applications, answers questions, gives advice, and offers ways to cope with problems. Students can come to the office without hesitation.

Student ID Cards

The student ID card proves that you're a student of International College of Technology, Kanazawa. Students need to carry their ID cards with them at all times. The ID card is required to enter the school buildings, use the LC, and ask for a certificate. They must show their ID cards whenever our faculty, staff members, or other concerned persons tell them to do so. They cannot lend or give their ID cards to others.

In addition, the ID card is equipped with an IC chip and can be damaged if bent or pressured. Students must handle it carefully.

[Issuing Student ID Cards]

The student ID card is issued by the President at the beginning of the first year.

[Reissuing Student ID Cards]

If students lose, damage, or have their student ID card stolen, they must tell the class adviser and then the school office, and submit a request for a reissue of their card. If students find the lost or stolen card, they must return it to the school office immediately.

[Return and Invalidity of Student ID Cards]

The student ID card is valid for five years from the first year to the fifth year. Students must return their ID cards to the school office immediately after they become invalid or when student registration is removed from the school because of graduation, withdrawal, or dismissal. Student ID cards that have had student information changed without permission will be invalid. Loss of an ID card can cause many problems. Students need to handle them carefully.

Various Certifications and Applications

Document	When to use	Receive from	Submit to
Request for Certificate	When students need a Certificate of Enrollment, transcript, graduation letter, student ID card (reissuance), etc.	School office	School office
Request for Reissuing Student ID Card	When students loss their student ID cards	School office	Class adviser → Dean of Students → School office
Report of Commute by Bicycle	When students commute by bicycle	Class adviser	Class adviser → Dean of Students
Request for Commuting by Moped	When students commute by moped	Class adviser	Class adviser → Dean of Students
Request for Rental PC Repair	When a student's rental PC is broken (for 1st year to 3rd year students)	Class adviser	Class adviser → person herself/himself → PC center (bldg. #8, 3F)
Request for Taking Rental PC out of Campus	When students take their rental PCs off campus	Class adviser	Class adviser → Dean of Academic Affairs → Information Education Committee
Certificate of Attendance	When students obtain a Student Concession Pass (JR, Hokuriku Rail Road)	School office	School office
Report of Late Arrival and Early Departure	When students take sick leave (including early departure and late arrival)	School office	Faculty in charge of the relevant course (Class adviser)
Disaster Report, Notification of Medical Treatment	When students get injured under the supervision of our school	School office	Supervisor → Dean of Students → Director of Campus Safety Management → School office
Request for Staying off Campus	When students go on a trip or stay off campus	School office	Class adviser → Dean of Students → School office
Report of Lost Property	When students loss their items	Class adviser	Class adviser → Dean of Students
Report of Theft	When students' items got stolen	Class adviser	Class adviser → Dean of Students
Report of Change in Personal Information	When personal information is changed	School office	Class adviser → School office
Report of Change in Address or Name	When a guardian, parent, or student's address or name is changed	School office	Class adviser → School office
Application for Irregular Clothes	When students wear irregular clothes due to injury or other reasons	Class adviser	Class adviser → Dean of Students

Sick Leave Certificate	When students have infectious diseases previously described	School office	Class adviser
Request for Study Abroad	When students go abroad to study	English teacher	English teacher
Report of End of Study Abroad	When study abroad ends	English teacher	English teacher
Report of Cancellation of Study Abroad	When students return to Japan after cancelling a study abroad	English teacher	English teacher
Request for Changing Department	When students change their departments	Class adviser	Class adviser
Request for Leave of Absence	When students take a leave of absence	Class adviser	Class adviser
Request for Resumption of Studies	When students return to school from an absence	Class adviser	Class adviser
Request for Withdrawal	When students withdraw from school	Class adviser	Class adviser

<Procedure in case of "Request for Reissuing Student ID Card">

The relevant student goes to the school office to receive the necessary document and gets approval from - (1) Class adviser → (2) Dean of Students → (3) School office - in this order.

Financial Aid for Students

Student Loans

The student loan system provides loans for tuition and school expenses to students who are excellent but have difficulty in pursuing their studies for financial reasons, and is provided by various organizations such as Japan Student Services Organization, local governments, and judicial foundations.

<Japan Student Services Organization>

For example, students who commute from home can select a loan amount from 10,000 yen or 32,000 yen (30,000 yen or 53,000 yen from the 4th year) and must satisfy the following conditions to receive the loan.

- Academic ability
  1st year students must have a grade point average of 3.5 or more in the final year of their junior high school. 2nd to 5th year students must have a grade point average higher than the average of their department in our school.
- Household budget
  The annual income of the main provider of the student's household after special deductions stipulated in the rules must be less than the income standard set by the organization.

The President will recommend the applicants to the organization, which will make the decision.
There is also an urgent acceptance system for students who find it difficult to continue their studies due to rapid changes in household finances.

<Ishikawa Prefecture>

30,000 yen per month (44,000 yen from the 4th year) will be lent to students who satisfy the following conditions.

- Students whose parents or guardians are currently living in Ishikawa (From the 4th year, they are required to have lived in Ishikawa for three years or more.)
- Students who are eager to study and have difficulty paying for school expenses
- Students who have not received a loan from Japan Student Services Organization

The President will recommend the applicants to the Ishikawa Prefecture government, which will make the decision.

Most loans must be processed by students themselves. If students need a certificate from the school, they can contact the school office.
For details, please contact the school office.

Leadership Award Scholarship

ICT supports students who foster innovation towards the realization of a world that "Leaves no one behind".

SDGs (Sustainable Development Goals) are the 17 goals aimed to transform the world and all nations of the United Nations joined based on the "Leaves no one behind" principle.
ICT collaborates with KIT and contributes to achieve the goals by promoting educational research projects useful for society, and linking familiar social issues with global issues.
ICT Leadership Award supports students who provide excellent leadership in this research project.

ICT aims to produce global innovators and offers four "ICT Leadership Awards Scholarship". ICT will support students who can provide leadership in various activities.

(1) ICT Leadership Award Golden Eagle Scholarship Outline: ICT supports students who can deepen the understanding of sustainable society, find and solve social issues, and demonstrate leadership. Number of recipients: 3 Target students: 1st and 2nd years Evaluation Criteria: Grades from previous years, participates in the SDGs startup program, plays active leadership role, provides information about their personal growth Amount : 1.4 million yen	(2) CWIE Overseas Co-op Education Scholarship Outline: ICT will support students who receive overseas co-op education based on CWIE (Cooperative and Work-integrated Education), such as internships at overseas companies or international conferences. Number of recipients: 4(2 for students who enrolled in 2018) Target students: 4th and 5th years Evaluation Criteria: Grades from previous years, understands CWIE, how students work on assignments and internships at overseas companies Amount : 300 thousand yen
(3) ICT Leadership Award Gold Scholarship Outline: ICT will provide scholarship to students who demonstrate active leadership and who are good examples to other students in various activities inside and outside the campuses. Number of recipients: 10 Evaluation Criteria: Grades from all courses, participates in various activities on and off campus, plays active leadership role, provides information about their personal growth Amount: 300 thousand yen	(4) ICT Leadership Award Silver Scholarship Outline: ICT will provide scholarship to students who demonstrate active leadership and who are good examples to other students in various activities inside and outside the campus. Number of recipients: 10 Target students: All grades Evaluation Criteria: Grades from all courses, participates in various activities on and off campus, plays active leadership, provides information about their personal growth Amount: 250 thousand yen

Mutual Aid Disaster Insurance

JAPAN SPORT COUNCIL's Mutual Aid Disaster Insurance

JAPAN SPORT COUNCIL's Mutual Aid Disaster Insurance offers parents and guardians coverage for medical expenses and consolatory payments for disasters and accidents that occur to students while under school supervision. Many schools have joined this system. All students of our school must purchase this insurance policy.

<Benefits for Medical Expenses>

In general, health insurances cover 70% of the total medical expenses if a student gets injured while under school supervision. The remaining 30% is paid by the individual.
The 30% paid by the individual will be covered by JAPAN SPORT COUNCIL.
In other words, all the medical expenses will be covered by combining health insurances and JAPAN SPORT COUNCIL's Mutual Aid Disaster Insurance.

<Range of School Supervision>

During classes, club activities, break times between classes, and commute time

<Premium>

The annual premium in the 2018 fiscal year is 1,905 yen per person.

<Procedure>

If a student is injured and would like to make an insurance claim, they need to contact our school (through the school office) as soon as possible and take the necessary procedures to apply for insurance benefits.
There are some restrictions for receiving benefits. For details, please contact the school office.

12. School Life
Counseling Center

Counseling on Hakusanroku Campus

We have "the ICT Counseling Center Suboffice" on the Hakusanroku Campus. A counselor will visit the Hakusanroku Campus for the 2018 first semester (April to August) on the day below. If you would like to receive counseling, please come to Counseling Room. It's next to the clinic on the first floor of the KIT Innovation Hub.

Date and time: Every Wednesday 13:30 -17:00
Place: Counseling Room
(KIT Innovation Hub first floor, next to the clinic)
* It is subject to change due to school activities and such.

Contacting the Counseling Center

If you would like to contact a counselor or are not sure how to use the Counseling Center, please contact the Counseling Center. You can do so by completing a request form. However, we cannot offer on-line counseling. Also we cannot reply to the request form when KIT Counseling Center (Ohgigaoka Campus) is closed.

The Counseling Center will be closed on the following dates:
Aug. 8th (Wed.) - Aug.17th (Fri.), 2018
Dec. 26th (Wed.), 2018 - Jan. 5th (Sat.), 2019

Off-campus Facilities for Counseling

There are an off-campus facility and a counseling service. Please read the information on each service with caution and use it. For more information, please talk to a ICT counselor about them.

The consultation facility in Ishikawa: Ishikawa-ken Kokoro-no-kenko Center
The nation-wide counseling service: Webpage of Ministry of Health, Labour and Welfare

KIT Counseling Center (Ohgigaoka Campus)

We have the Counseling Center to provide you with support and to help your school life more meaningful.
If you feel stress, anxiety or trouble in your daily life, a specialized counselor will provide consultation.
Please don't hesitate to talk to a counselor. Your consultation and your records will be confidential.
The front desk and the counseling room are located in Building 36. (See diagram below.)
If desired, it's possible to receive counseling in a different place on campus.

How to apply for counseling

Counseling Center: Building 36
Make an appointment for your desired time.

↓

Receive an appointment card.

↓

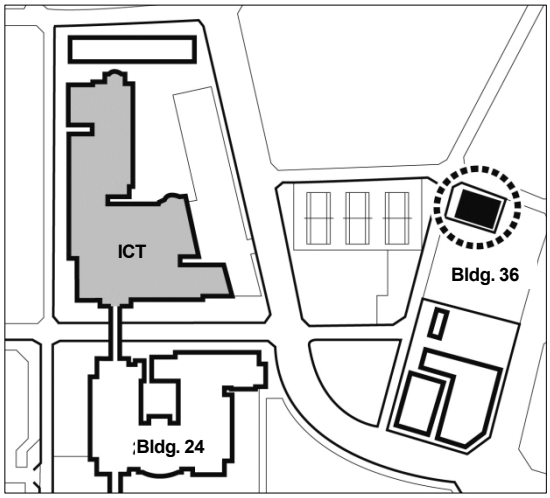
Visit with a counselor at your appointment time.
(Inform the Counseling Center of cancellation in advance when you cannot visit.)

↓

Receive counseling.
(Make another appointment if you'd like to continue.)

↓

Visit with a counselor again at your appointment time.



■ Counseling Reception Days and Hours

Monday - Friday 12:00 - 17:00
* Usually set-up an appointment during these hours.

■ Counseling Days and Hours

Monday - Friday 13:00 - 19:00
(Thursday 13:00 - 17:00)
Saturday 8:30 - 13:00
* Closed on holidays. Closed on some Saturdays.
* Subject to change due to school events.
* Please ask about counseling during long vacations.

Campus Harassment

Campus harassment is to mentally or physically trouble the victim's studies and research and to worsen the environment by inappropriate comments and actions from faculty/staff members or students in education, research, and work. This includes sexual harassment by sexual discrimination and sexual aversion as well as academic harassment related to education and research. Campus harassment has the following two types: "quid pro quo" that gives disadvantage or unfair advantage to a person in educational matters such as credits, evaluation, research guidance, and job placement by using the harasser's position, and "hostile environment" that effects study and research environments by inappropriate comments and behavior.

<quid pro quo harassment>

For example;

- For personal desires, a person asks sexual favors that give students advantage or disadvantage.
- A person forces students to study or research beyond the usual amount, or detains students unnecessarily.
- A person uses abusive language, behaves violently, or intentionally ignores students who do not follow instructions.
- A person excessively behaves coercively, authoritatively, or threateningly. (Situations using a telephone and e-mail are included in this case.)

<hostile environment harassment>

For example;

- A person asks questions or speaks about students' private life against their will.
- A person makes remarks that lack attention to students' personal abilities, physical functions, sexual orientation, etc.
- A person makes remarks or rumors that hurt particular students.
- A person shows pictures and photos that encourage commercialization of sex.
- A person unnecessarily touches a student's body in classrooms and laboratories.
- A person makes sexual or vulgar jokes or imposes sexual obedience.

Is this campus harassment?

Case 1: A teacher made a distasteful joke during class.

This is campus harassment if students are disgusted in the back of their mind even when they are laughing, adjusting themselves to people around them. Similar cases may occur between students. For example, "Club members touch others' bodies more than necessary during club activities".

Case 2: A teacher said "Men are breadwinners. So, study hard."

This is a typical example of "academic harassment", which includes sexist speeches and behaviors based on a wrong perspective in academic research and education. This could be caused by either men or women, even between individuals of the same sex.

Case 3: A teacher does not give advice to students if they do not follow the teacher's instructions.

Intentional ignorance and verbal abuse toward students who do not follow teacher's guidance are also harassment. This includes cases when a harasser intentionally intimidates students, takes authoritative actions or violent behavior toward students, or hurt others' personality or body.

Case 4: A person persistently asked someone's private life.

It may be a difficult case to notice, but it is harassment to ask questions or make remarks about someone's privacy contrary to the person's will or without consent. It also includes slandering and rumoring about particular individuals.

Do not be distressed alone. The best way to solve the problem is to talk to someone.

If you feel that someone's behavior is "harassment" at school, please express the feeling clearly with words and attitudes. And even if you cannot say "no", please do not be distressed alone. International College of Technology, Kanazawa has a school counselor. We will listen to your troubles and think about how to solve them together.

To create an environment where you can study comfortably

When you feel uncomfortable discussing your problem with a counselor by yourself, you can have a counseling session with your friends or ask someone to tell a counselor. The counselor keeps your privacy and always asks your permission before providing your information to any other individuals who need to know the information. If counselling does not help your problem, we can conduct mediation and take necessary measures to create an environment where you can learn with peace of mind.

Protection of Personal Information

Remarkable development of information and communication technology has rapidly popularized the Internet in society and greatly contributes to the creation of new technologies and knowledge. As society is increasingly focused on advanced information, distribution of mass information and instant processing are taken for granted.

As the importance of information is increasing in today's advanced information society, it is very important for Kanazawa Institute of Technology and International College of Technology, Kanazawa (hereinafter referred to as "our school") to properly handle personal information related to students, guardians, graduates, test takers, faculty and staff members, etc. We recognize proper use and protection of such personal information as a natural social responsibility.

Considering the importance of protecting personal information in advanced information communication society, we declare that we strive to protect personal information based on the following policy.

1. In the handling of personal information, our school shall comply with the laws and regulations concerning the protection of personal information. In addition, we shall formulate the "Regulations on Protection of Personal Information" and "Information Security Policy" and familiarize them with all faculty, staff members and stakeholders of this school to strictly comply with them and strive to improve.

2. Our school shall acquire personal information by lawful and fair means.

3. Our school shall deal with personal information according to the purpose that we state when acquiring personal information.

4. When sharing personal information with a third party or outsourcing the handling of personal information to a third party, our school shall conduct a strict investigation on the third party and properly supervise them to keep information confidential.

5. We shall not provide personal information to third parties without prior consent except for those stipulated in laws and regulations.

6. In order to safely and accurately manage personal information, we shall take appropriate information security measures against unauthorized access to personal information and computer virus to prevent loss, destruction, leak, falsification of personal information.

7. When receiving requests for disclosure, correction, suspension of use, and deletion of personal information, we shall promptly respond and take appropriate measures.

<Contact information for inquiries concerning handling of personal information>
ICT Office
Telephone: 076 - 248 - 1080

13. Guidelines for Use of Dormitories and Facilities

Ⅰ. Basic guidelines for running dormitories

Based on the following policies, our school runs the dormitories as a place for character building.

1. Dormitories

Our dormitories are educational facilities where community members should respect people of various values and support each other's growth and learning according to the KIT ideals (behavioral objectives) shared by our school community.

The dormitories consist of four buildings, "Antares", "Regulus", "Aldebaran" and "Fomalhaut". Dormitories for men and women are separated. The four stars used as the names of the buildings are called "Royal Star" that brings luck and represents the direction and position. We named the dormitories after the stars in hopes that students living in the dormitories enjoy the night sky at the foot of Mt. Hakusan and let themselves shine.

2. Operating system of dormitories

Resident Advisers (RAs) reside in the dormitories in order to secure the safety of the residents and maintain discipline during student activities. Security guards, faculty, or staff members may act on behalf of RAs when no RAs are available on weekends and holidays, etc. For the safety of the residents, a security camera and security system using card certification are installed at the entrance of each dormitory. Security guards will check and patrol around the campus 24 hours a day. RAs, faculty, staff members, or security guards may enter a room if necessary for guidance or management. In addition, the residents will manage the dormitories on their own in order to establish a safe, secure, and comfortable life.

3. Policy at the dormitories

The policy is to foster disciplined lifestyle habits and cultivate autonomy, self-reliance, and self-discipline. We will provide guidance as necessary so that residents can recognize their roles in various backgrounds and cultures and act on their own initiative. In addition, we will try to improve the independency and responsibility awareness of all the residents through creation and revitalization of dormitory events in order to cultivate their independent mind.

4. Violation of dormitory rules

If residents violate the school and dormitory regulations and guidelines, we will take disciplinary action such as withdrawal, if their behavior does not improve by guidance, etc.

Ⅱ. Life in dormitories

"Unit" means both the separated space in a dormitory and the group of residents living in the same space. We will decide one unit leader and the leader will strive to ensure safe, secure, and comfortable life for the unit members.

1. Daily tasks in student life

(1) Roll call

We call the roll three times a day to confirm the location and safety of the residents.

1. Morning: 7: 30
   The unit leader calls the roll to check the physical conditions of the unit members.
2. Evening: 18: 30 (confirm that residents returned from outside the campus and are having meals)
   The unit leader calls the roll at Golden Eagle Cafeteria to confirm the locations of all the unit members.

3. Night: 23: 00

Before going to bed, the unit leader calls the roll to confirm the locations of the unit members.
(Residents go to bed after the roll call.)

(2) Meals

Residents must eat in Golden Eagle Cafeteria at the specified mealtime.

Breakfast (weekdays: 7: 30 - 8: 30, Sundays and national holidays: 8: 00 - 9: 00)
Lunch (11: 50 - 12: 40)
Dinner (18: 30 - 19: 30)

Late-evening snacks will be prepared at dinner. If necessary, residents can take them back to their units after dinner.

(3) KIOSK opening hours (8: 00 - 20: 00)

At KIOSK beside Golden Eagle Cafeteria, residents can purchase simple daily necessities, stationery, confectionery, and beverages.

(4) Learning session (19: 30 - 21: 30)

All residents are required to attend the learning session, which is the time for active learning. Residents can gather at "Library and Work Commons" and learning mentors help residents review the contents in class, prepare for the following day, and learn in a team as necessary. Make effective use of the time to acquire learning contents and skills.

(5) Shower / Bath (21: 30 - 23: 00)

Shower rooms are installed in each unit. Finish taking a shower before lights-out so that you do not disturb unit members.

If you wish to take a bath, you can use the natural hot spring, "Hakusan Hime No Yu" on campus for free. Show your student ID card at the reception desk, and take a bath following the usage rules of the facility.

"Hakusan Hime No Yu" opening hours:

(Mondays - Saturdays) 14:00 - 21: 00, (Sundays and national holidays) 12:00 - 21:00 * The reception closes at 20:30.

(6) Lights-out and sleep

The lights are turned off at 23:00 in the shared space except individual rooms. If you want to keep studying even after lights-out, study in your room. Since sleep is very important for your health, you should sleep well for the next day and should not disturb unit members' sleep.

(7) Going out / Staying out overnight

Residents must get permission from an RA in advance in order to go out or stay out overnight. Residents must come back to the dormitory by 18:00. If you cannot return the dormitory due to a sudden trouble, be sure to contact an RA and explain the situation.

Check the following before going out or staying out overnight.

1. You can go out from 6:00 to 18:00.
2. There shall be no influence on classes, school events, roles, and duties.
3. The destination, schedule, time to return to the dormitory, and contact information must be clear.
4. You cannot eat after the specified mealtime. If you're going to be late, contact an RA in advance to explain the situation.

(8) Cleaning

Residents must clean the space they use, including their rooms, shared space in the unit, washbasins, dressing rooms, toilets, and Kitchen Commons by themselves.

2. Bringing items to dormitory

(1) Write your name or put a name tag on your personal items so that people can identify your belongings.

(2) The dormitory is a group living space. Do not bring home appliances and things that are big, expensive, cause troubles to others, need installation, or generate heat or fire. Also, you cannot bring a motorcycle or motorized bicycle. If your item is not allowed, you must send it to your home or dispose it, which may cost money. To avoid such troubles, confirm with an RA in advance whether your items are allowed to bring.

< Examples of prohibited items to bring in>
- Motorcycle and motorized bicycle
- Home appliances (TV, refrigerator, washing machine, large audio products)
- Home appliances that emit heat (rice cooker, oven toaster, electric pot, coffee maker, kotatsu, stove, foot heater, electric blanket, futon dryer, iron, etc.)
- Things that may cause harm to people such as knives
- Incense, fireworks, and inflammable chemicals such as gasoline and thinner
- Things that may cause disasters or dangers to people, institutions, and facilities

(3) Cash

Do not carry big amount of cash. To prevent troubles, withdraw the minimum necessary cash from ATM at the nearest post office, etc. as required and keep your money safe.

Oguchi post office: 27-1 Saru, Seto, Hakusan, Ishikawa
Reception opening hours: Weekdays 9:00 - 17:00
ATM: Weekdays 9:00 - 17:30, Saturdays 9:00 - 14:00, Sundays/Holidays 9:00 - 15:00
* There is no bank ATM near the campus.

(4) Management of valuables

Keep your valuables such as wallet and insurance card in a drawer under lock and key.

3. Mail service

For mail arrived at the dormitory, we will put up a notice on the wall or directly contact the receiver. Contact an RA to receive your mail. Note that we cannot deal with mail that we need to pay when receiving, such as COD (cash on delivery).

4. Emergency such as sickness and injury

In case of sickness and injury, contact an RA. You need an insurance card to see a doctor.

<Hospitals near the Hakusanroku campus>

Hakusan Medical Corporation, Tsurugi Hospital, Yoshinodani clinic
124 Sara Ni, Hakusan, Ishikawa TEL: 076-255-5019
Medical corporation HOSPY group Kawachi Urata clinic
62 Kirinosato, Kawachi, Hakusan, Ishikawa TEL: 076-273-3777
Hakusan Medical Corporation, Tsurugi Hospital
1 No, Turugimito, Hakusan, Ishikawa TEL: 076-272-1250

(2) Role of RAs

Working closely with the Dean of Students, RAs will provide guidance, support, and advice to residents about their daily lives. Since an RA receives various activity reports from residents to have safe lives, do not hesitate to ask advice if you have anything you do not understand or have any troubles.

(3) Duties

In the dormitory, residents share various duties. We assign in order to complete daily task smoothly. Residents will take turns doing roles.

(4) Events in the dormitory

Residents can plan and run events on their own. To run events, provide the contents and details to an RA and obtain permission.

III. Usage of facilities and institutions in the dormitory

1. Using an individual room

Do not change the arrangement of the wardrobe and bed in your room. Use the furniture carefully. If the furniture is damaged, lost, or becomes dirty, report to an RA immediately.

Restore your room to its original state before changing rooms at the end of semester or leaving the dormitory.
When you move in, check your room for damage or dirtiness, and immediately notify an RA if any.
You cannot let others stay over in your room. In addition, even a resident cannot be in another unit after 23:00.
Only you can own the key to your room. Keep it safe on your own and immediately inform an RA if the key is lost. Duplication of keys is prohibited.

2. Using the Internet

You can use the internet in the dormitory. To use the internet, you need to take the INFOSS lecture on information ethics and pass the test. Observe the relevant laws, rules, and manner when using the internet.
If you cause troubles to others or do not observe the rules, we may restrict or prohibit your internet use.

3. Using common facilities in the dormitory

(1) RA room

Contact an RA immediately in case of emergency / sudden illness. You can call an RA in the room from each unit using the extension number.

(2) Dorm Commons, Commons Kitchen

Residents can use the TV, tables, chairs, kitchen, refrigerator installed in the community space on each floor.

(3) Laundry room

Washing machines and dryers are installed in each dormitory. Since leaving your clothes may cause troubles to other users, take out your clothes immediately after washing.

(4) Shoe box

A shoe box is located in each unit entrance. You cannot wear shoes in the unit. Be sure to change your shoes to slippers.

(5) Trash storage

It is located on the 1st floor of the "Regulus" building. Dispose garbage by yourself according to the specified sorting method. Inform an RA if you need to dispose large garbage.

(6) Linen storage

It is located on the 1st floor of the "Regulus" building. We collect sheets once a week.

(7) Parking area for bicycles

It is located on the 1st floor of the "Regulus" building, and there are bicycles for rent. After using the bicycle, lock and return it.

4. Facilities other than dormitories

(1) Clinic

The clinic is located on the 1st floor of the Innovation Hub. Nurses are in the clinic from 7: 00 to 18: 30 on weekdays and from 8: 30 to 13: 00 on Saturdays.

(2) Counseling Center Suboffice

There is a counseling room next to the clinic on the 1st floor of Innovation Hub. A counselor is in the office from 13: 30 to 17: 00 on Wednesdays.

(3) Golden Eagle Cafeteria

The restaurant is located on the 2nd floor of Innovation Hub. It's self-service. Residents must have meals at the specified mealtime.

For meals during holidays, a separate request is required. In addition, we can prepare meals for resident's family when they visit. Take the specified procedure in advance.

<Breakfast> Weekdays: 7: 30 - 8: 30, Holidays: 8: 00 - 9: 00
<Lunch> Weekdays: 11: 50 - 12: 40, Holidays: 12: 00 - 13: 00
<Dinner> Weekdays: 18: 30 - 19: 30, Holidays: 18: 30 - 19: 30
* We prepare late-evening snack at dinner. Take it to your unit after you finish dinner, if necessary.

(4) KIOSK

It is located next to Golden Eagle Cafeteria. You can buy simple daily necessities, stationery, confectionery, beverages, etc. The opening hours are from 8:00 to 20: 00.

(5) Bath

There is a natural hot spring, "Hakusan Hime No Yu" on campus. Observe the usage rules of the hot spring facilities before use.

Opening hours (end of reception: 20: 30) Weekdays 14: 00 - 21: 00, Sundays and national holidays 12: 00 - 21: 00

(6) Use of "Library and Work Commons", "Living Commons" and "Learning Commons"

The use time of the facilities in the school buildings is 7: 00 - 23: 00.

5. Closed dormitory period

Dormitories will be closed during long-term vacations such as summer holidays and winter holidays. You cannot enter the dormitories during the closed period.

IV. Expenses

The following shows the costs included in the tuition fee and the other necessary expenses (they may be changed depending on the academic year).

1. Expenses included in the tuition fee

- Living expenses during the class period
- Meal expenses (breakfast, lunch, dinner, and snacks) during the school period
- Utility expenses such as electricity and water supply

2. Expenses not included in the tuition fee

(1) Meal expenses during holidays

Meals during holidays will be charged. Submit a request in advance by the specified deadline. Details will be notified separately.

(2) Meal expenses when parents visit

When parents visit and need meals, submit a request with fee in advance so that we can prepare.

(3) Meal expenses during absence

We will not refund meal expenses when you miss your meals during the normal school period. However, we will refund for the requested meals during holidays only when we receive a cancellation request by the specified day.