for First-Year Students

How to Study General Education Courses

～Guide to Enrolling in General Education Courses～

2026

General education courses are divided into six groups:

- ✓ 教養科目
- ✓ 環境系科目
- ✓ 社会連携・国際理解科目
- ✓ キャリア・アントレプレナーシップ系科目
- ✓ 言語系科目
- ✓ 理数系科目

Your primary reference for course registration is the **学生便覧**.
It provides detailed information on the requirements for obtaining your degree, as well as campus facilities, equipment, and academic systems.
Be sure to download or print the **学生便覧2026年度版** so that you can refer to it at any time.
In addition, carefully read **“修学上知っておきたいこと”** on pages 23–27 of the 学生便覧.

Discover new knowledge and unlock the door to your future.

日本工業大学
共通教育学群
TEL: 0480-33-7571

https://www.nit.ac.jp/original/common/

教養科目　環境系科目　社会連携・国際理解科目

キャリア・アントレプレナーシップ系科目

What are 教養科目?

These courses are designed to help students develop the broad knowledge and skills required as members of society. They cover a wide range of subjects, including the humanities, social sciences, natural sciences, and sports. In addition, some courses are intended to help first-year students understand the differences between high school and university learning, and to develop the ability to study independently as university students. By engaging with these courses across a broad spectrum, students are expected to establish their identity both as engineers and as members of society, and to develop the ability to think and act independently.

What are 環境系科目?

Students will acquire fundamental knowledge as members of a sustainable and environmentally harmonious society, and develop the ability to think about environmental issues in concrete and comprehensive ways and to express their own ideas. This forms an essential foundation not only for those engaged in manufacturing and engineering, but also as members of society.

What are 社会連携・国際理解科目?

These include courses that provide fundamental knowledge required in society, as well as social collaboration courses that offer practical learning in career development with a view toward entrepreneurship and engagement with local communities. They also include courses aimed at improving research and presentation skills in English and deepening international understanding, as well as courses for international students. Many of these courses are offered by various centers within the university.

What are キャリア・アントレプレナーシップ系科目?

These courses are designed to help students develop the perspectives and mindset required in the world of work and business that many of them will encounter after graduation, and to prepare them to acquire the common sense and strengths expected of members of society. They are divided into two categories: “キャリア” courses, which support students in preparing for job hunting throughout their university life, and “イノベーション” courses, which focus on developing entrepreneurship and the ability to launch new business ventures and demonstrate leadership in the future.

「スタディスキルズ」「学修と実工学」「大学生のための文章読解」

⇨ Recommended to take in the first-year!

Among the 教養科目, **「スタディスキルズ」「学修と実工学」「大学生のための文章読解」** are especially recommended to be completed within the first year.
In these courses, students learn to read, think, write, and express their ideas in order to build a solid foundation for their four years of university study. They are designed to help students understand how to learn at university and to develop the ability to study independently. For details of each course, please refer to the “シラバス検索” on the portal site. Based on your interests and needs, you are encouraged to take at least one of these courses in the spring semester and build confidence as a university student.

First-Year Spring Semester Timetable

Brown：教養科目、Green：環境系科目、Blue：キャリア・アントレプレナーシップ系科目
Purple：社会連携・国際理解科目　Extracted from these four groups only

★：Online classes

＊：Department-specific designation（＊1= CAL、＊2= RI、＊3= D、＊4= ME、＊5= MECRID、＊6= RID、＊7= AL、＊8= MERDA）

	Period 1	Period 2	Period 3	Period 4
Mon	大学生のための文章読解＊1 実社会の数学 健康とスポーツ	大学生のための文章読解＊1 心理学 科学へのいざない★ 実社会の数学 健康とスポーツ＊5 現代社会の基礎知識Ⅰ エコ入門★	健康とスポーツ	
Tue	学修と実工学 大学生のための文章読解＊2 法学（日本国憲法）★ 健康とスポーツ	学修と実工学 大学生のための文章読解＊2 法学（日本国憲法）★ 健康とスポーツ＊6	健康とスポーツ	
Wed	心理学 実社会の数学 健康とスポーツ エコ入門★ Focus on Inter-Cultural Communication	スタディスキルズ 心理学＊8 実社会の数学 健康とスポーツ＊7		
Thu	学修と実工学 大学生のための文章読解＊3 科学へのいざない★ 健康とスポーツ エコ入門★ Focus on Inter-Cultural Communication	学修と実工学 大学生のための文章読解＊3 健康とスポーツ	スタディスキルズ エコ入門★	
Fri	大学生のための文章読解＊4	大学生のための文章読解＊4 エコ入門★	心理学	
Sat	ものづくり基礎実習Ⅰ	ものづくり基礎実習Ⅰ	ものづくり基礎実習Ⅰ	ものづくり基礎実習Ⅰ

➢Course Registration

- For courses other than required ones, you may freely choose from 「教養科目」, 「環境系科目」, 「キャリア・アントレプレナーシップ系科目」, 「社会連携・国際理解科目」, as well as 「言語系科目」 and 「理数系科目」.
- **You are required to select your courses and complete the registration process yourself.**
- If the same course is offered on multiple days and periods, **please choose one schedule and register for it.**
- All courses can also be taken from the second year onward. Some courses are offered specifically for students in their second year or above, so there is no need to take too many courses in the first-year spring semester. **Please prioritize required and major courses, and proceed with your course registration at your own pace so that you can earn the required credits by graduation.**
- **The graduation requirement for general education courses is at least 38 credits.**
- You must earn at least 11 credits from 「言語系科目」 and 「理数系科目」, and the remaining credits from 「教養科目」, 「環境系科目」, 「キャリア・アントレプレナーシップ系科目」, and 「社会連携・国際理解科目」.

Graduation Requirement >>>>> Students must earn a total of at least 38 credits from 「教養」「環境」「社会連携・国際理解」「キャリア・アントレプレナーシップ系」, as well as 「言語系」 and 「理数系」.

Course Registration for「ものづくり基礎実習Ⅰ」

This course is intended for students with little experience in practical training or hands-on work, as well as for those who wish to gain comprehensive experience in basic skills such as metalworking, woodworking, and electronics.

- Enrollment is limited to first-year students. To ensure safe operation, the number of participants is capped at 200. These 200 students will be divided into four groups of 50 and assigned to different time slots.
- The four time slots are determined by whether the class meets in the first or second half of alternating weeks, and whether it is held in the morning (Periods 1-2) or afternoon (Periods 3-4). Students will attend two consecutive periods within one assigned time slot.
- Applicants must complete the following via the portal site:
  ① View the “ガイダンスと安全衛生講習”
  ② Complete the “受講希望調査および安全衛生クイズ”
  Deadline: April 8 (Wed), 15:00 (strict)
- Submission of the survey constitutes the application for enrollment. Based on the responses, students will be assigned to groups and time slots.
- Students who do not submit the survey will not be permitted to attend the course, even if they complete course registration.
- Group assignments will be announced on the portal site at: April 9 (Thu), 15:00

Course Registration for 「健康とスポーツ」 (Sports Practice)

The sports offered differ between the spring and fall semesters. **In the spring semester, students can choose from gymnasium sports (light sports only in Period 2 on Thursdays), ground sports, and soft tennis. In the fall semester, students can choose from Gymnasium Sports A, Gymnasium Sports B, and soft tennis.** Please enroll in **either the spring or fall semester** depending on your preferred activity.
** Gymnasium sports include basketball and volleyball, while ground sports include soccer and softball.*

In the first class, there will be an orientation and selection of activities → Please come to the gym in regular clothes.
** Please note that each class has a limit on the number of participants for each activity, and your preference may not always be accommodated. Details will be explained in the first class.*

➢ Academic Support System

学修支援センター (Learning Support Center)

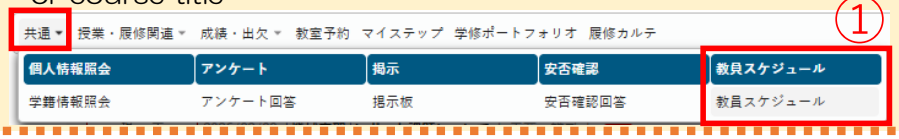
Multiple tutors in English, mathematics, and physics are always available. If you encounter difficulties in your coursework, feel free to visit the center. You can also ask questions about major subjects to senior students serving as SAs (Student Assistants). In addition, you can receive advice on course registration and study methods. Consultation hours are 10:00-17:00 on weekdays. Please refer to the map on the back cover for the location.

Faculty Office Hours

If you would like to ask questions directly to your instructor about course content, please make use of office hours. All faculty members set aside four class periods per week for office hours. Before visiting, check the office hours of the instructor you wish to consult on the portal site.

How to Check Office Hours on the Portal Site

① From the top menu, select:【共通】→【教員スケジュール】
② Use【教職員検索】to search by name, department, or course title



➢ For Students Planning to Take the 教職課程

If you plan to complete the 教職課程 and obtain a teaching license, 「法学（日本国憲法）」 is a required course. In addition, you must complete either 「健康とスポーツ」 or 「生涯スポーツ」 (a course for second-year students). Furthermore, 「健康科学」 (also a second-year course) is required. Please ensure that all required courses are completed before graduation.

Menstrual Leave for Female Students:『 F休養 』

To accommodate students who may have difficulty attending classes due to menstrual symptoms, this system is implemented in both general education and major courses.
For details, please scan the QR code on the right to view the flyer.
(The flyer will also be distributed during orientation.)

言語系科目

In the required courses 「英語Ⅰ」 and 「英語Ⅱ」, students develop fundamental English vocabulary, grammar, and reading skills. For 「英語Ⅰ」 (spring semester), recommended classes are assigned based on the placement test at enrollment. The recommended classes for 「英語Ⅱ」 (fall semester) are determined based on the results of 「英語Ⅰ」. After completing these courses, students choose one elective from 「英会話」, 「プレゼンテーション」, or 「上級英語」. Through these courses, students develop reading, communication, and presentation skills necessary for engineering and global activities. An intensive course, 「海外英語セミナー」, is also offered in the fall semester. Students must earn at least 6 credits from 「言語系科目」 for graduation. International students may take Japanese language courses instead of English courses.

Red：Required Courses (Requirement for promotion from 3rd to 4th year)

First-Year Required Courses	Second-Year Elective Courses
Credits：2	Credits：2
「英語Ⅰ」 「英語Ⅱ」	「英会話」「上級英語」 「プレゼンテーション」

Graduation Requirement >>>
Earn at least 6 credits, including 4 credits from required courses

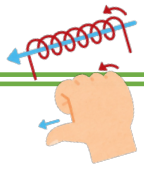
To smoothly study「英語Ⅰ」「英語Ⅱ」

「英語Ⅰ」「英語Ⅱ」are offered at three levels:【Advanced】【Intermediate】【Basic】

Advanced Class	Develop your reading skills and enhance your ability to use English effectively. Aim to research advanced topics, organize your ideas, and present them in English.
Intermediate Class	Further develop your current English proficiency and strengthen your ability to read longer texts. Deepen your interest in the English language.
Basic Class	Build fundamental English skills. Through reading-related activities, develop the ability to understand English content and express it through accurate pronunciation and speaking.

- If you have any questions about your class, please contact the office listed in your class assignment notice.
- After confirming your class, register for your courses yourself via the portal site.
- Aim to complete the required course 「英語Ⅱ」 within your first year.

理数系科目

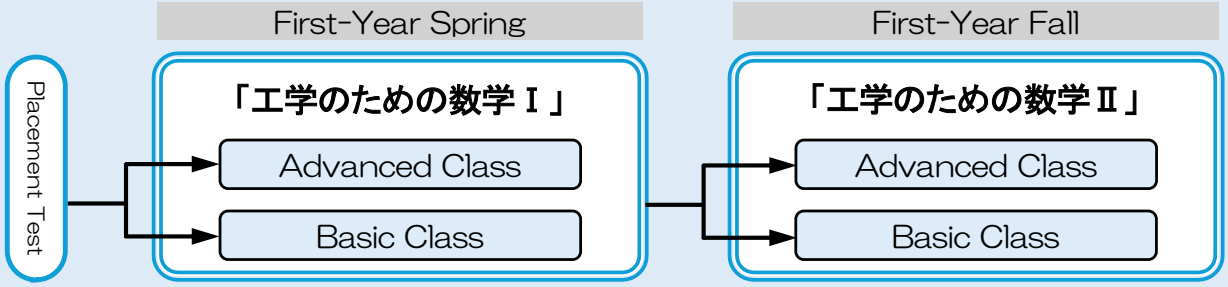


理数系科目 include 数学科目、物理科目、化学科目.
Courses offered in the first year are listed in the table below.

	数学	物理	化学
1st-Year Spring	• 工学のための数学Ⅰ →Required for M / R	• 知っておきたい自然のしくみ • 工学基礎実験 (Department-assigned schedule) →Required for All Departments	• 化学の基礎 (Department-assigned schedule)
1st-Year Fall	• 工学のための数学Ⅱ →Required for M / R	• 工学を学ぶための物理 →Required for M / R • 工学基礎実験 (Department-assigned schedule) →Required for All Departments	• 化学の基礎 (Department-assigned schedule)

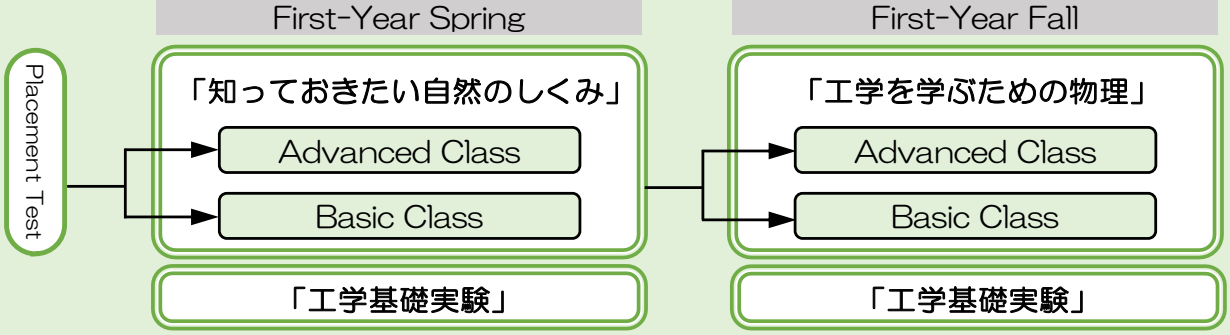
数学科目 help students understand fundamental concepts necessary for engineering and develop their ability to apply them.
物理科目 provide a systematic understanding of the natural laws that form the foundation of engineering. In the required course for all departments, 「工学基礎実験」, students learn measurement techniques and report writing through experiments.
化学科目 cover fundamental topics that are essential for engineering, including content for students without prior background in chemistry.
Required courses vary by department. For detaild, please refer to the 学生便覧.

数学科目



「工学のための数学Ⅰ」Covers differential and integral calculus of single-variable and two-variable functions. Students learn key concepts to build a solid mathematical foundation for engineering and to support smooth progress in their major studies.
「工学のための数学Ⅱ」Covers vectors, matrices, determinants, eigenvalues, and eigenvectors. Through a systematic study of linear algebra, students develop the fundamental ability to analyze various natural phenomena using mathematical expressions.

物理科目



「知っておきたい自然のしくみ」Covers mechanics, fluids and pressure, waves, heat, electricity, and magnetism. Provides a broad understanding of fundamental natural principles and builds a foundation for engineering studies.
「工学を学ぶための物理」Covers laws of motion, work and energy, momentum and angular momentum, and systems of particles. Through a systematic study of mechanics, students develop physical thinking skills applicable to engineering.
「工学基礎実験」Please refer to p.6 “工学基礎実験” (required course).

To smoothly study 数学科目・物理科目

- Each course offers two levels: 【Advanced Class】, which covers content from basic to advanced, and 【Basic Class】, which allows students to start from the fundamentals even without prior study of physics or Mathematics III in high school. Students can choose the class that best matches their level.
- In the spring semester, recommended classes (Advanced/Basic) are assigned based on the placement test results. Please use this as a guide when selecting your class.
- Please attend all classes. Attendance is taken every session.
- Students with low attendance, poor class participation, or unsatisfactory test results may be required to meet with the instructor.

Grading Method	
工学のための数学Ⅰ 工学のための数学Ⅱ	Evaluation is based on midterm and final exams, as well as reports and quizzes.
知っておきたい自然のしくみ 工学を学ぶための物理	Evaluation is based on five quizzes. Students earn credit by achieving a passing score on all quizzes. (Retakes are allowed without limit.)

「工学基礎実験」

As this is an experimental course, attendance and submission of lab reports are mandatory. Experiments are conducted in small groups. Due to limitations of equipment and classroom availability, the schedule (semester, day, and session) is assigned by department. Therefore, students are automatically registered for the designated timetable. Course information (announcements, preparation, and assignment submission) is primarily provided via Microsoft Teams. Please check the schedule for your department shown in the table below, as well as your assigned timetable on the portal site. Be sure to also check Teams for detailed information on the start date and class assignments.

	M / C	A / L	I / D	E / R
Semester / Day	**Spring** Wed	**Spring** Thu	**Fall** Wed	**Fall** Thu

This course can be taken only once per year. If you fail, you must retake it in the following year. As it provides the foundation for specialized experiments and exercises in the second year and beyond, be sure to complete it in your first year.

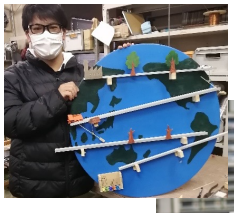
Major Course

Recommendation to Take「物理体感工房」in the College Meister Program

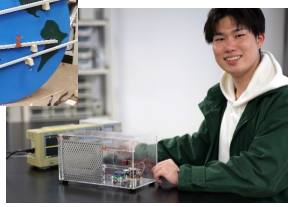
The College Meister Program (CMP) is a unique program at our university that offers hands-on, practical engineering challenges beyond conventional lectures and laboratory classes. It consists of 14 themed courses. For details, please refer to the Student Handbook.

One of the CMP courses, 「物理体感工房Ⅰ～Ⅵ」, is counted as major course credit for all departments. In this course, students design original science projects based on their own ideas and work to bring them to life.

Guidance sessions for 「物理体感工房」 will be held on April 10 (Fri) and April 14 (Tue), from 17:00 to 17:30, in Room 206, Building E24. Students who wish to enroll must attend one of these sessions.



Environmental-themed Rube Goldberg machine



Electrostatic speaker

Consultation Desk for Course Registration & Course Content

General office hours: Monday-Friday, 9:00am-5:00pm

Inquiry	Contact	Location
Course registration for general education courses / Faculty office locations	共通教育学群事務室	① Building 2, 1F (2-172)
Study support (difficulties, review, etc.)	学修支援センター (*available from 10am*)	② Building 5, 1F
Course content (current classes)	Course instructor (Office Hours)	Faculty offices (*ask location at ①*)
教職課程 (Teacher training program)	教職教育センター	② Building 5, 2F (5-201)
General course registration procedures	教務課	③ Building 1, 1F
Personal counselling (mental health, relationships, career concerns)	学生相談室	③ Building 1, 1F (1-106)

Related Laboratories & Centers

Name	Location
English Faculty Offices	④ W1 Building, 2F
Mathematics Faculty Offices	④ W1 Building, 2F
Physics Faculty Offices	⑤ E24 Building, 2F
英語学習サポートセンター (English Learning Support Center, ELSC)	② Building 5, 2F
健康管理センター (Health Care Center) / Health & Physical Education Laboratory	⑥ Next to the Gymnasium
LCセンター	⑦ Near Sakura Plaza