

Curriculum Policy of Regular Course

We have balanced curriculum based on the following policies in order to make students acquire the knowledge and skills that our diploma policy requires them to get.

Organization of Curriculum

We offer well-balanced array of general education and specialized subjects in order that the students can acquire from basics to advanced knowledge as they advance to higher grades.

(1) Department of Mechanical Engineering

- A Fundamental Scientific Knowledge : We offer lectures in mathematics, physics, and chemistry, which are necessary to learn mechanical engineering as main subjects.
- B Specialized Knowledge : We offer lectures and seminars in the fields such as strength of materials, mechanical mechanics, hydraulics, and thermodynamics, and related subjects in drafts and experiments as part of specialized subjects in order that students acquire knowledge and technique as engineers in mechanics.
- C Problem-solving Ability : We offer problem-solving style of experiments and graduation studies in order to foster well-rounded abilities such as creativity, problem-solving, and logical thinking.
- D Culture(Students enrolled in or after 2025) : We offer general-education subjects of Japanese, social sciences, physical education, foreign languages and so on as lectures, seminars and training so that students can acquire rich culture and ethics needed to be engineers.
- D Culture(Students enrolled before 2024) : We offer general-education subjects of Japanese, social sciences, physical education, arts, foreign languages and so on as lectures, seminars and training so that students can acquire rich culture and ethics needed to be engineers.
- E Communication Skills : We offer subjects such as graduation study to foster ability to communicate thoughts logically in writings or presentations in Japanese. We also offer subjects on English as foreign language in all grades in the form of lectures or seminars to foster international communicative competence.
- F Sociability : We offer students study trips and internships to develop their professional consciousness and their sense of independency, responsibility and public duty.

(2) Department of Electrical Engineering and Information Science

- A Fundamental Scientific Knowledge : We offer lectures in mathematics, physics, and chemistry, which are necessary to learn electrical engineering, information science and communication engineering as main subjects.
- B Specialized Knowledge : We offer lectures and seminars in the fields such as circuit theory, electromagnetics, programming and communications engineering, and related

subjects in experiments as part of specialized subjects in order that students acquire knowledge and technique as engineers in electrical engineering, information science and communication engineering. We have two courses in the 4th and 5th grades so that students can acquire specialized and advanced knowledge and skills of electrical engineering or information science.

- C Problem-solving Ability : We offer problem-solving style of experiments and graduation studies in order to foster well-rounded abilities such as creativity, problem-solving, and logical thinking.
- D Culture (Students enrolled in or after 2025) : We offer general-education subjects of Japanese, social sciences, physical education, foreign languages and so on as lectures, seminars and training so that students can acquire rich culture and ethics needed to be engineers.
- D Culture(Students enrolled before 2024) : We offer general-education subjects of Japanese, social sciences, physical education, arts, foreign languages and so on as lectures, seminars and training so that students can acquire rich culture and ethics needed to be engineers.
- E Communication Skills : We offer subjects such as graduation study to foster ability to communicate thoughts logically in writings or presentations in Japanese. We also offer subjects on English as foreign language in all grades in the form of lectures or seminars to foster international communicative competence.
- F Sociability : We offer students study trips and internships to develop their professional consciousness and their sense of independency, responsibility and public duty.

(3) Department of Electronics and Control Engineering

- A Fundamental Scientific Knowledge : We offer lectures in mathematics, physics, and chemistry, which are necessary to learn electronic control engineering as main subjects.
- B Specialized Knowledge : We offer lectures and seminars in the fields such as electrical engineering, electronics, control engineering, information engineering and robotics, and related subjects in experiments as part of specialized subjects in order that students acquire knowledge and technique as engineers in electronic control engineering.
- C Problem-solving Ability : We offer problem-solving style of experiments and graduation studies in order to foster well-rounded abilities such as creativity, problem-solving, and logical thinking.
- D Culture (Students enrolled in or after 2025) : We offer general-education subjects of Japanese, social sciences, physical education, foreign languages and so on as lectures, seminars and training so that students can acquire rich culture and ethics needed to be engineers.
- D Culture(Students enrolled before 2024) : We offer general-education subjects of Japanese, social sciences, physical education, arts, foreign languages and so on as lectures, seminars and training so that students can acquire rich culture and ethics

needed to be engineers.

- E Communication Skills : We offer subjects such as graduation study to foster ability to communicate thoughts logically in writings or presentations in Japanese. We also offer subjects on English as foreign language in all grades in the form of lectures or seminars to foster international communicative competence.
- F Sociability : We offer students study trips and internships to develop their professional consciousness and their sense of independency, responsibility and public duty.

(4) Department of Applied Chemistry and Biotechnology

- A Fundamental Scientific Knowledge : We offer lectures in mathematics, physics, and chemistry, which are necessary to learn applied chemistry and biotechnology as main subjects.
- B Specialized Knowledge : We offer lectures and seminars in the fields such as organic chemistry, inorganic chemistry, analytical chemistry, physical chemistry, chemical engineering, biochemistry and microbiology, and related subjects in experiments as part of specialized subjects in order that students acquire knowledge and technique as engineers in chemistry or biotechnology. We have two courses in the 4th and 5th grades so that students can acquire specialized and advanced knowledge and skills of applied chemistry or biotechnology.
- C Problem-solving Ability : We offer problem-solving style of experiments and graduation studies in order to foster well-rounded abilities such as creativity, problem-solving, and logical thinking.
- D Culture(Students enrolled in or after 2025) : We offer general-education subjects of Japanese, social sciences, physical education, foreign languages and so on as lectures, seminars and training so that students can acquire rich culture and ethics needed to be engineers.
- D Culture(Students enrolled before 2024) : We offer general-education subjects of Japanese, social sciences, physical education, arts, foreign languages and so on as lectures, seminars and training so that students can acquire rich culture and ethics needed to be engineers.
- E Communication Skills : We offer subjects such as graduation study to foster ability to communicate thoughts logically in writings or presentations in Japanese. We also offer subjects on English as foreign language in all grades in the form of lectures or seminars to foster international communicative competence.
- F Sociability : We offer students study trips and internships to develop their professional consciousness and their sense of independency, responsibility and public duty.

(5) Department of Environmental Materials Engineering

- A Fundamental Scientific Knowledge : We offer lectures in mathematics, physics, and chemistry, which are necessary to learn materials engineering as main subjects.

- B Specialized Knowledge : We offer lectures and seminars in the fields such as metallic materials, inorganic materials and organic materials, and related subjects in drafts and experiments as part of specialized subjects in order that students acquire knowledge and technique as materials engineers.
- C Problem-solving Ability : We offer problem-solving style of experiments and graduation studies in order to foster well-rounded abilities such as creativity, problem-solving, and logical thinking.
- D Culture(Students enrolled in or after 2025) : We offer general-education subjects of Japanese, social sciences, physical education, foreign languages and so on as lectures, seminars and training so that students can acquire rich culture and ethics needed to be engineers.
- D Culture(Students enrolled before 2024) : We offer general-education subjects of Japanese, social sciences, physical education, arts, foreign languages and so on as lectures, seminars and training so that students can acquire rich culture and ethics needed to be engineers.
- E Communication Skills : We offer subjects such as graduation study to foster ability to communicate thoughts logically in writings or presentations in Japanese. We also offer subjects on English as foreign language in all grades in the form of lectures or seminars to foster international communicative competence.
- F Sociability : We offer students study trips and internships to develop their professional consciousness and their sense of independency, responsibility and public duty.

Implementation of Curriculum

- We put the achievement goal, the course outline and the achievement evaluation in the syllabus of each subject.
- Academic achievements are evaluated fairly and strictly based on the evaluation policy in the syllabus under the following standards.

Lectures and seminars are evaluated in terms of achievements in targets by means of examinations, activities in the lessons, and reports.

Subjects of experiment are evaluated in terms of achievements in targets by means of reports and presentations.

Graduation studies are evaluated in terms of achievements in targets by means of thesis, presentation, and activities.

- Grades are given in figures as 100 marks as perfect score. Credits are granted if the score is 60 marks or above. Standard of grades are as follows.

A	80 marks or above
B	65 marks or above and less than 80
C	60 marks or above and less than 65
Failure	less than 60 marks