

■カリキュラム・ポリシー

本校専攻科（複合工学専攻）では、

本準学士課程にて修得した学科の専門性をより高度化したうえで、さらに共通として修得すべき複合教育を実施する教育課程を編成しています。具体的には、教育目標に沿って以下のように教育課程を編成します。

1. 高専の準学士課程教育で修得した学力を基礎とし、さらに高度化・複合化した教育を行うために、コースごとの専門性をより高度化させた科目とともに、英語関連科目、経営工学、技術者倫理、環境技術、産業財産権などの共通科目を編成し、複眼的な配慮ができる技術者としての基礎を形成します。
2. デザイン教育科目としてプロジェクトデザインやシステムデザインを配置し、さらに実務研修（インターンシップ）を実施することで、広い視野とコミュニケーション能力を醸成します。
3. コースごとに専門科目を編成し、高度な技術に関する理解を深めます。
4. 実験・実習と特別研究を系統的に編成し、開発能力に富む創造的技術者を育成します。

■アドミッション・ポリシー

本校専攻科（複合工学専攻）では、

教育方針“技術者である前に人間であれ”を堅持し、地域社会や産業界とともに、21世紀の国際社会で活躍貢献できる個性と人間性豊かで実践的能力を備えた高度な技術者を育成することをめざします。

この目標を達成するために、つぎの学力を有し、人間性豊かな人の入学を望みます。

- (1) 工学に対する関心が高く、工学についての基礎学力と自然科学についての学力を有し、自ら学ぶ意欲がある人
- (2) モノづくりに対する関心が高く、体験してきた人
- (3) 学んだことを自らのことばで伝えることのできる日本語の能力及び英語の基礎学力を有している人

各コースの受け入れ方針（アドミッション・ポリシー）

○機械工学コース

機械工学に関連する分野の基礎学力をもち、基礎を応用して、より高度な技術を自ら身に付けようとする意欲のある人、専門分野の知識や得られた成果を簡潔に説明・発表できる人。

○電気電子創造工学コース

数学・英語の基礎学力と電気電子の専門基礎学力を有し、電気・電子・情報について自ら学び、その分野を積極的に研究できる人。

○物質工学コース

材料工学や生物工学等の諸分野に関する化学の基礎学力を持ち、より高度な専門知識と問題解決能力の修得と自学自習の意欲があり、協調性を持ってチャレンジできる人。

○建築学コース

建築学における、生活に密接に関わる安全・快適な建築物及び居住環境や都市空間について関心があり、これらの分野の基礎的な学力を有し、自ら学ぶ意欲のある人。

■Curriculum Policies

In the Advanced Course (the General Engineering Program), we offer specialized subjects building on those of the Associate Degree Program along with organizing a curriculum where students learn general engineering subjects. With these educational objectives, we have organized the curriculum as follows.

1. For the basic skills students have learned in the Associate Degree Program, graduates will develop multifaceted perspectives through specialized subjects in the respective courses as well as commonly offered general subjects such as Applied English, Engineering Management, Ethics of Engineering, Environmental Technology, and Industrial Property Rights for a more advanced multiple faceted education.
2. Graduates will develop a broad perspective and communication skills through Design Education subjects such as Project Design and Systems Design along with conducting Internships.
3. Graduates will acquire advanced knowledge in the specialized subjects in the specific courses.
4. Graduates will become creative engineers with development skills acquired through systematically organized experiments, exercises, and special research offered in this program.

■Admission Policy

The Advanced Course (the General Engineering Program) has the education policy to train and graduate students under the motto “Be an engineer with a sound and proper human attitude”, as all-round well trained engineers who will contribute to international society in this 21st century and who have acquired practical skills as fully rounded humans.

To accomplish this we expect to enroll students with the following academic skills and human qualities:

- (1) Students with a basic knowledge of natural science and engineering and who are eager to conduct self-motivated study
- (2) Students with a strong interest in advanced manufacturing and who have experience in manufacturing activities
- (3) Students who have the ability to express themselves in Japanese and have good communication skills in English

Admission Policies for the Four Courses

○Course of Mechanical Engineering

Students with basic academic skills in mechanical engineering, who are able to apply basic knowledge, have the will to learn specialized technologies independently, and who can explain and present their knowledge of a specialized field.

○Innovative Electrical and Electronic Engineering Course

Persons who possess basic academic skills in Mathematics and English, and a basic knowledge of Electric and Electronic technology, who will pursue Electrical, Electronic and Information engineering actively, and have the ability to study and push the field actively forward.

○Materials Chemistry and Bioengineering Course

Students who have acquired basic knowledge of material chemistry and bioengineering and are ready to engage in self-motivated study. Students who have a particular interest in advancing their specialized knowledge, the ability to solve technical problems, and the capacity to tackle difficult tasks in a team to produce workable solutions for engineering problems.

○Architecture Course

Personnel interested in safe and habitable buildings carefully tailored to accommodating daily life in architectural studies, residential environments, and urban spaces, who have basic academic skills in these fields, and a willingness to learn by themselves

