

専攻科 複合工学専攻 Advanced Course General Engineering Program

5年間の高等専門学校における教育の基盤の上に立ち、より深く高度な専門知識及び技術を教授することにより広く社会および産業界で活躍できる実践的かつ創造的な技術者の育成を目的とします。

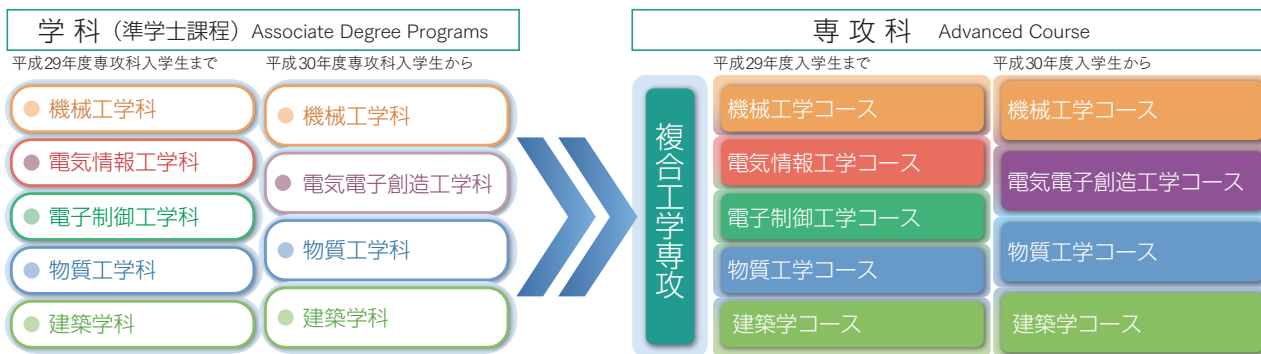
平成22年（2010）4月に専攻科を改組し、「複合工学専攻」の1専攻とし、本科の学科構成に合わせた5コースを設けました。

平成30年（2018）4月に「複合工学専攻」1専攻を、本科の学科構成に合わせた4コースとしました。

The Advanced Course aims to provide students with opportunities to acquire further special knowledge and technical skills on the basis of the five-year regular course and to cultivate an engineer with creativity, with a deeper knowledge of technology and with a wide range of advanced technical abilities. An engineer who will be expected to play an active part in the field of industry.

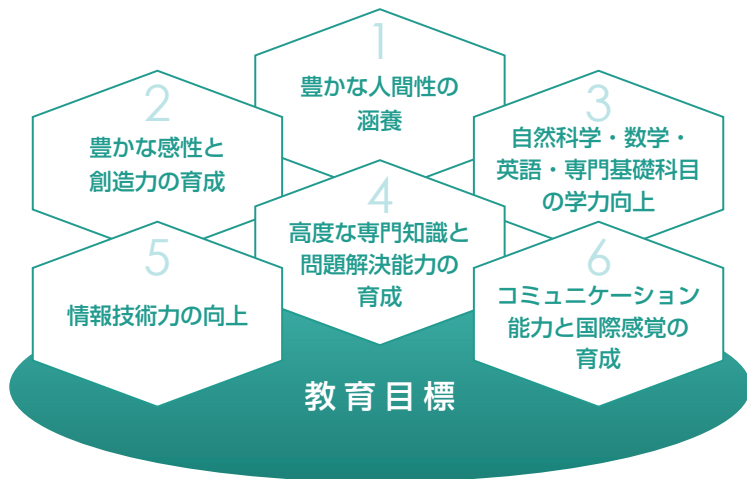
National Institute of Technology, Oyama College, has offered one General Advanced Course since 2010, which is composed of five specialized courses provided by the five departments in the Associate Degree Program.

General Advanced Course has begun offering four courses since 2018, due to the merger of two of the former five departments.



教育目標

複合工学専攻での育成すべき人材像は、工学理論のみでなく、実験・実習、実学に裏づけされた技術者であり、更には、専門分野を持ちながら他分野も見通せる複眼的なものの方や考え方ができるフレキシビリティのある技術者です。



In the General Engineering Program, we nurture students to be engineers not only with a profound knowledge of technological theories and technical skills, but also with the ability to apply them practically through experiments and exercises offered to them in the two-year education. We also cultivate students to be flexible enough to have multifaceted perspectives so that they can understand what is happening in other fields.

The educational objectives of the General Engineering Program are:

1. Graduates of good character.
2. Graduates will be creative.
3. Students will improve their academic performance in natural science, math, English and specialized fundamental subjects.
4. Graduates will acquire advanced specialized knowledge and the ability to solve technical problems.
5. Graduates will have a good command of information and communication technologies.
6. Graduates will develop communication skills, and be able to appreciate different cultures and values.

技術者教育プログラム

本校には、本学4年次から専攻科2年次までの4年間の学習に対して、全学科及び専攻科をひとつにした技術者教育プログラムが設定されています。日本技術者教育認定機構（JABEE：Japan Accreditation Board of Engineering Education）の認定を受けた技術者教育プログラムの修了生は、社会的にも国際的にも技術者に必要とされる工学基礎教育を習得したものと保証されることとなります。また、本プログラムの修了生は「修習技術者」として認められ、「技術士補」として登録すると技術士の一次試験が免除されます。専攻科に入学したものはJABEE教育プログラム（複合工学系）の履修対象者となります。

Engineering Education Program

The Engineering Education Program is applied to the four-year period of study, from the third year in the regular course through the second year in the advanced course. It is a unified program for all students in the five departments. The student who completes the program accredited by JABEE (Japan Accreditation Board of Engineering Education) is nationally and internationally certified to possess the fundamental education required by an engineer. In addition, graduates who complete this program are certified as Learned Engineers and can become Apprentice Technological Engineers without sitting for the First Step examination of the Institution of Professional Engineers, Japan. All students in advanced courses are covered by the JABEE education program.