

Spirit of foundation:

The principal objective of research and education in Hokkaido University of Science is “foster scientific citizens”, which entails cultivating cutting edge specialists in science, who have generic skills and abilities that are needed in today’s knowledge based society.

Our mission is to contribute to regional activation by supplying talented professionals with highly applied skills, healthy minds and healthy bodies; who will be expected to play prominent roles based on their scientific mindset.

Basic Approach of Hokkaido University of Science

Basic Principles

- Fostering scientific abilities
- Professional education that meets the demands of the times
- Strengthening regional vitality

Educational Objectives

HUS works to develop 21st-century citizens capable of supporting the revitalization of Hokkaido and Japan as a whole while thriving in their own areas of specialization as demanded by today’s changing times.

Guiding Principles for Education

HUS supports students with the goals outlined below through finely tuned curricula and educational guidance in individual departments. Efforts are also made to achieve educational objectives through systematic verification of educational effects and ongoing curriculum improvement:

1. Development of a knowledge framework that includes fundamental knowledge clusters in specialized fields and related connections with nature, society and history
2. Development of study habits (motivation for learning)
3. Recognition of roles in society and development of a strong sense of ethics
4. Enhancement and expansion of expertise
5. Acquisition of the knowledge and skills necessary to apply expertise in service to society

Educational Characteristics

Student-Based Education

Educational System:

- Educational and learning programs optimally designed for individual fields of specialization
- Educational and learning systems finely tuned to the aptitudes of new students
- Educational programs focused on small-group experiments and seminars

Educational Environments:

- Self-study environments ideal for improving students’ motivation to learn
- Pleasant group-study environments with an open atmosphere
- Graduate research environments with a wide array of research equipment

Professional Education in Harmony with Information Society

Educational System:

- Educational programs to foster the strong sense of ethics required of technical experts
- Language education programs to foster communication skills for collaboration

Educational Environments:

- Notebook PCs for all students and a fully equipped intranet environment
- Ubiquitous e-learning environment

Basic Approach of Hokkaido University of Science Junior College

Educational Policy

Enterprising and indomitable

(being ready to undertake projects and following through, whatever problems may come)

According to the founding spirit of aiming higher, the university’s educational policy is to train human resources who are willing to acquire a wide range of knowledge, improve their technical skills and cultivate deep insight and strong creativity so that they can contribute to the welfare of people, not only in their local community, but also from a global viewpoint.

Educational Objective/Goals

The educational objective of the university is to train human resources with practical skills that can be useful in society by providing extensive knowledge, teaching and conducting research on specialized arts and sciences closely related to the automobile industry, and cultivating applied skills as well as superior character according to the spirit of the Fundamental Act of Education and as a junior college as stipulated by the School Education Act.

The educational objectives of the advanced courses are to teach and conduct research on more advanced arts and sciences based on the automotive engineering education provided at the junior college and to train engineers who are capable of handling the latest technologies and environmental changes related to vehicle inspection.

To achieve these objectives, education and research are promoted with the following goals based on the spirit of foundation and educational policy.

1. Department of Automotive Engineering

The educational goals are comprehensive studies covering everything from the basics of automotive engineering to maintenance skills and design, the acquisition of knowledge provided in the curriculum for Class 2 automobile mechanics and the training of human resources to prepare them for various areas of the automobile industry.

2. Advanced Course for Automotive Body Engineering Majors

It is a one year course that can be taken after graduation from the Department of Automotive Engineering 1 or 2 and acquiring the national Class 2 gasoline automobile mechanic license or the national Class 2 diesel automobile mechanic license. Through the curriculum focusing on practical skills, the course allows students to learn comprehensive technical skills concerning automotive body maintenance, as well as accident car estimation, property and casualty insurance and front work (i.e., basics of multi-mechanics), and eventually acquire an automotive body mechanic license.